



NOORUL ISLAM CENTRE FOR HIGHER EDUCATION

(Deemed to be University under section 3 of the UGC Act 1956)

Accredited by NAAC with "A" Grade

Kumaracoil-629 180, Thuckalay, Kanyakumari District, Tamil Nadu, India



ANNUAL REPORT 2020-2021

VISION

To be recognized by the Government and society at large as an institution able to deliver excellence with relevance in the field of higher education and research focusing on the needs of the nation in tune with the technological revolution to cope up with the knowledge explosion and global competence.

MISSION

To develop the Institution as a centre of excellence, keeping pace with advances in the field, so as to provide quality higher education to the students and instill in them high enlightened individuals in the frontier areas of science and Technology.

QUALITY POLICY

We offer value added professional education and promote intensive and innovative research with emphasis on a continual improvement in all our service.

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INTRODUCTION

Noorul Islam Centre for Higher Education (NICHE) was started in 1989 as an Engineering College with two Departments and eighty students. In 2006 considering its research potential Anna University, Chennai has recognized Mechanical, EEE, Management and Mathematics departments as Research Centers.

On 8th December 2008 NICHE was declared as a Deemed to be University by MHRD, Government of India. NICHE achieved the feat of obtaining 'A' Grade in NAAC assessment with a CGPA of 3.06 in 2015 and valid till today. In 2016 National Institutional Ranking Framework (NIRF) has awarded 75th rank in the University stream and 66th rank among Engineering Institutions.

In 2017 NIRF ranking NICHE was placed in 150 -- 200 rank among Universities. The NBA- AICTE has accredited all the eligible courses till 2010. NICHE is an ISO 9001:2000 certified Institution, Ministry of Science and Technology has approved NICHE as a Scientific and Industrial Research Organization (SIRO) in 2008 and the same has been renewed .

NICHE was selected as the best University for educational and social commitments in rural areas by the Planning Commission in India and ASSOCHAM India in 2014, Faculty of Management Studies of NICHE has been declared as the best, B School in the Southern States of India. IBM has recognized the institution as a centre of excellence. Under the student satellite programme, NICHE has developed and launched NIUSAT on 23rd June 2017 from Sriharikota through PSLV-38 with the help of ISRO, and the same has been functioning successfully and maintaining communication with the ground station.

NICHE is a current member of the International Association of Universities (IAU) and Association of Indian Universities (AIU). It is also a member of the National Academic Depository (NAD) and a member of the National Digital Library.(NDL).

Our Pro-Chancellor Shri. M.S. Faizal Khan was one among the four participants and only one from India to speak on "Second Sustainable Energy for All Forum" in the United Nations Head Quarters in New York, USA on 18-21 May 2015 and shared his experiences in setting up the Asia's first Green Cardiac Catheterization labs at NIMS Medicity powered by a hybrid in-house power project comprising of 220 KW solar power plant and vertical wind turbine.

NICHE has eleven faculties, 23 departments offering 28 UG programmes, 22 PG programmes, 8 M. Phil Programmes in Engineering, Arts and Science, Management and Health Sciences and 21 Ph.D. Programmes in all the disciplines.

When it was a college, its students have bagged as many as 34 University ranks including 14 First ranks, 10 Second ranks and 10 Third ranks in the composite Anna University Chennai, apart from achieving more than 90% results in all disciplines during the five years 2005-2009. In 2006 - 2007, NICE had many firsts to its credits. To cite a few, NICE was the First Private Engineering College in South India to get Internet Connectivity via Satellite Link through National Informatics Center (NIC), Government of India in 1998. First Private Engineering College in South India with Multi-Point Video Conferencing Facility. NICHE students from our campus interacted with Dr. A.P.J. Abdul Kalam who was at Anna University Campus, Chennai, at that time. Later in 2010 he visited our campus and interacted with our students. Having established as a high-quality technical education provider over two decades and in its quest for more academic freedom and flexibility.

NICHE stood first among 226 Engineering Colleges in the centralized placements organized by Anna University Chennai. Further NICE was ranked as 19th among 226 affiliated Engineering Colleges of Anna University, Chennai.

The infrastructural facilities of Noorul Islam Centre for Higher Education (NICHE) include a vast expanse of land of 47 acres, about 5 lakh sq.ft. of RCC built-up area, 13 Blocks of student hostels (9 for Gents and 4 for Ladies) 4 Canteens, 1 Gymnasium, Sports facilities like Foot-Ball/Cricket ground, Basket Ball/Volley Ball Courts, etc., nearly 1000 Computers and internet connectivity (ISDN&VSAT) anywhere, anytime inside the university premises. The campus has been connected with 1 GBPS National Knowledge Network (NKN) connectivity under the National Mission on Education, Government of India. NICHE campus and Hostels premises are *Wi-Fi* enabled.

Three Departments of NICHE are regularly bringing out three journals of international repute. NICHE has entered into MoUs with 31 leading universities several industrial organizations. IBM - recognized our University as a centre for software excellence, Infosys - for Campus Connect Programme, Tata Consultancy Services (TCS) - for add-on training, Information Communication Technology Academy of Tamil Nadu (ICTACT) - for skill development.

Our Honorable Pro-Chancellor **Mr. M.S. Faizal Khan has been nominated as a member of the First Court of Maulana Azad National Urdu University**, Hyderabad by the Honorable President of India Dr. RamNath Kovind with effect from August 2018.

On 27th August 2018 Department of Nanotechnology has been sanctioned a sum of Rs.77 lakhs for DST FIST Level Programme and XRD D2 Phaser has been procured and installed in the Nano-characterization lab during April 2019.

A Cloud Computing Lab with 3 production servers with 48TB storage was inaugurated on 6.9.2018 at a cost of Rs.50 lakhs by the Honorable Chancellor Dr. A.P. Majeed Khan, Its client mechanics are connected with the Cloud Hub through OFC at 1 Gigabyte per second speed, Subsequently it was upgraded to ten servers with 58TB storage. NICHE is the first VM Ware certified IT Company in Tamil Nadu and has received Microsoft Manganic License for cloud access. A Humaniod robotic lab setup at a cost of Rs.8 lakhs was also inaugurated on the same day.

On 20.3.2018 in its 530th Meeting of the UGC vide item 2.18, the UGC has resolved that from 2018 onwards the highest grade offered for the purpose of UGC (Institutions deemed to be University) Regulations 2016 be considered as NAAC CGPA 3.26. For all the cases prior to 2018, NAAC CGPA of 3.01 will be considered as the highest grade. NAAC has awarded NICHE a CGPA of 3.06 on 16th November 2015 valid till to day. Hence till to day NICHE will be considered as the highest graded University.

NICHE was invited under by India-Israel Space – Tech Leadership programme “75 students satellites mission 2022” to interact with Israel diaspora and institutions for collaboration with ITCA. Dr. A. Shajin Nargunam participated in this initiative from 10-2-2019 to 14-2-2019 in Israel.

On your behalf as a continuation of our efforts under 75 students satellite mission by 2022 under Indo Isreal Space Tech. Leadership programme. Our honorable vice-chancellor Dr. R. Perumalsamy has visited the Israel at the invitation of MAZ Investments Limited to explore the opportunities to design and develop small satellites with the experts from Israel Academicians and Industries from 27 – 29th May 2019 and signed an MOU with them.

Over the years, sustained efforts have improved the quantity and the quality of research publications. Since the last Annual Report , publications listed in the SCOPUS Database have increased considerably pushing up the total number of publications to 2295, ‘h index’ to 43 with 9262 citations as on 25-08-2021

As on date, 118 patent applications have been filed, of which so far 6 patents have been granted, 17 applications have been examined, 35 applications were published and the remaining 59 are in process. During the year, funded research projects to the tune of Rs. 83.31 lakhs are in operation. During academic year 2020-21 fourteen new project proposals were submitted to various Central and State agencies for a sum of Rs. 9.96

crores. Further live projects were completed on recycling of wastewater, windmill, solar energy and biogas which are completely funded by the NICHE Management.

The Ph.D. Programme of NICHE is offered in strict compliance with the UGC Regulations. In total, 513 research scholars are currently pursuing their research under 105 guides. One scholar is receiving Moulana Abul Kalam Azad National Fellowship and two scholars are getting INSPIRE Fellowship. Other eligible full time scholars are paid monthly stipend by NICHE.

As on date, 46 students and 40 faculty members have registered for various SWAYAM/NPTEL courses.

During the year 2020-21, in spite of continuous lockdowns announced, one company visited NICHE, and 22 students, including students of other colleges attended placement interviews. The students of NICHE received 6 job offers and 6 students were placed with an average salary of Rs. 1.56 lakhs p.a. As a part of the corporate social responsibility, NICHE has also placed 6 outside students from other Institutions.

On 16-7-20 Mr.R. Vineeth Jacob Antony, S8 Aerospace Engineering received Rs. 1,00,000 (one lakh) from EDII-TN getting selected in Tamilnadu Innovators Award- 2019 for his innovative prototype "AgriDrone".

Noorul Islam Alumni Association was registered under Tamil Nadu Societies Registration Act 1975 on 29-7-2020.

As per the UGC/AICTE guidelines online examinations were conducted from 17-8-2020 to 26-8-2020 for the regular outgoing students and the answer scripts were valued online and the results were published on 7-9-2020, the same was informed to UGC through University Activity Monitoring Portal (UAMP)

NICHE has provided quarantine facilities by allotting one Block in the Hostel with 50 rooms as a Temporary Isolation/ quarantine centre. It was occupied from 13th June to 21st August 2020, and a total of 2518 persons have availed this facility.

An International Webinar on Understanding the National Education Policy-2020 was organised by NICHE, on 20th August 2020 and the resource person was Dr. Jebamalai Vinanchiarachi, former principal Adviser to the Director General of United Nations Industrial Development Organization (UNIDO), Vienna, Austria

An essay writing competition was conducted online on 20th August 2020 in which more than 2500 students participated. Three prizes were awarded and the winners are

1. Ms. Nithana-MCC Madras- Rs. One lakh
2. Mr.Kabin Mohamed Saleem-NICHE- Rs. 50,000
3. Mr. Yashwanth-NICHE- Rs. 25,000.

On 22-9-2020, UGC has approved NICHE to offer two B.Voc courses in Telecom / Mobile communication and Telecom / Tele communication from the academic year 2020-21 onwards..

On 5th October 2020 online classes started for odd semester UG and PG programmes. On 8th October 2020 a webinar was organised on Cyber Security by the Information Technology department.

Ms. Amirtha Raj of third year Perfusion Technology student received Grand Master Certificate from Asia Book of Records for making the map of India with the help of a compass and pen on A4 sheet on 28-11-2020. She has also received certificate of records from India Book of Records for making the Indian Flag on an A4 sheet with the help of a compass and pencil on 12-10-2020.

On 19th October 2020, UG First year online classes were started. On 19th and 20th November 2020 DGCA Inspection was conducted in the Aircraft Maintenance Department. On 27-11-2019 a free medical camp on audiology was conducted in BASLP block.

On 21st December 2020, V.V.V & Sons distributed health-care kits in the Hill-top auditorium to protect the faculty and staff members from COVID-19 pandemic.

On 8th January 2021 the 10th Convocation was held in virtual mode and Honourable Shri Arif Mohammed Khan, the Governor of Kerala as the Chief Guest, delivered the convocation address. In this convocation, 598 undergraduate students, 134 postgraduates, 28 M.Phil, and 32 Ph.D scholars, totaling in all 792 candidates were conferred with their degrees. Of these, the pride of place goes to 27 students who were honoured with the coveted First Rank of the University in their respective disciplines.

On 19th January 2021 an online presentation was made on PURSE Project proposal by Dr. A. Shajin Nargunam, Director Academic Affairs.

On 17th January 2021, Fourth Planning and Monitoring Board meeting was held. On the Same day Dr. M.K.C. Nair formerly Vice Chancellor of the KUHS, Thrissur conducted a meeting on counseling to the AHS department Faculty members.

On 20th January 2021 orientation and Inauguration function for the freshers was held in the Hill-top Auditorium.

On 10th and 20th March 2021, Kanyakumari District Level open Volley Ball Tournament for Men and Women was conducted by NICHE.

On 31st March Comprehensive Inspection Programme (CIP) was conducted in the Marine Engineering department.

On 13th April and on 30th July online presentation was made before the Technical Expert Committee on offering Online programmes.

On 15-4-2021, the NSS unit and UBA of the NICHE organised the COVID19 vaccination Camp in the Hill-top Auditorium for 150 of the faculty and staff members of NICHE.

Information Technology Department organised an online workshop on Patent Awareness on 21st April 2021.

On 23rd April 2021 the results of the online examinations held during December/January 2020-21 were published.

International Yoga day was celebrated on 21st June 2021. The placement and training division along with Physical Education Department and NSS organised this function.

AICTE vide its communication dated 30-6-2021 has granted Extension of Approval to NICHE for the academic year 2021-22 with 18 Under Graduate and 16 Post Graduate programmes.

On 24th July, 2021 the NCC unit was inaugurated by Lt. Colonel V. Visweswara Prasad under self supporting scheme and our Honourable Chancellor Dr. A.P. Majeed Khan presided over the function.

AICTE- ATAL Faculty Development Programme held during 26-7-21 to 30-7-21 on Capacity Building was coordinated by Dr. Julia Punitha Malar Dhas.

AICTE has selected NICHE under AICTE- LITE faculty training for Web Development built and hosted by Pupil first in collaboration with Fresh works, and Dr. R. Chitra and Dr. J. Jeba were selected for the first two training programmes.

These are the various important happenings during 1-7-20 to 30-6-2021.

AUTHORITIES OF NICHE

Board of Management

1. Dr.A.K. Kumaraguru
Vice-Chancellor
2. Dr.R.Perumalsamy,
Pro-Chancellor (Academic)
3. Dr. N. Chandrashekhar,
Pro Vice-Chancellor.
4. Dr. Salim Shafeek,
Leicester Shire,M.M. Road, Calicut.
5. Dr.K.A. Janardhanan,
Rohini, 11/42A
Ariyambacode
Kulasekaram – 629 161

6. Dr. A. Shajin Nargunam,
Dean, Faculty of Information on Computer Engineering,
NICHE,
Kumaracoil – 629 180.
7. Dr.R.C. Mehta,
Dean-Faculty Of Aeronautical And Space Technology,
NICHE,
Kumaracoil – 629 180.
8. Dr. J. Amar Pratap Singh,
Professor, Department of Computer Science and Engineering,
NICHE,
Kumaracoil – 629 180.
9. Dr.N. Santhi,
Professor, Department of Electronics and Communication Engineering,
NICHE,
Kumaracoil – 629 180.
10. Prof. (Dr) M.K.C. Nair,
Director, NIMS – SPECTRUM-CDRC,
NIMS Medicity,
Aralumoodu,
Neyyattinkara,
Thiruvananthapuram
11. Dr.T. Tamizh chelvam,
Professor, Department of Mathematics,
Manonmaniam Sundaranar University, Tirunelveli – 627 012.
12. Dr.N. Jawahar,
Professor and HOD,
Department of Mechanical Engineering,
Thiagarajar College of Engineering, Madurai – 625 015.
13. Dr.C. Samudhra Rajakumar,
Professor and HOD,
Department of Business Administration,
Annamalai University, Annamalai Nagar - 608 002.
14. Dr. B. Ramamoorthy
Advisor (Academic)
PSG Institutions,
Coimbatore – 641 004.
15. Dr.P. Thirumalvalavan,
Ex-Officio Secretary
Registrar, NICHE.
16. Dr. RM. Chandrasekaran, Special Invitee, COE, NICHE

Academic Council

Sl. No.	NAME	DESIGNATION	FACULTY / DEPARTMENT / ORGN.
1.	Dr. A. K. kumaraguru	Vice-Chancellor	NICHE
2.	Dr. N. Chandrashekhar	Pro-Vice-Chancellor	NICHE
3.	Dr. K.A. Janardhanan	Director - HRM & Dean	Faculty of Management Studies
4.	Dr. A. ShajinNargunam	Director-Academic Affairs & Dean	Faculty of Information and Computer Engineering
5.	Dr. M.K. Jeyakumar	Additional COE & Dean	Faculty of Computer Science
6.	Dr. M. DevAnand	Director – Research & Development & Dean	Faculty of Mechanical Engineering
7.	Dr. R.S. Vinod Kumar	Dean –& HOD, Dept. of ECE	Faculty of Electrical and Electronics Engineering
8.	Prof. S. Mohana Das	Dean	Faculty of Marine Engineering
9.	Dr. R. C. Mehta	Dean	Faculty of Aeronautical and Space Technology
10.	Dr.V.Narayana Nair	Dean	Faculty of Civil Engineering
11.	Dr. M. Immaculate Mary	Dean & HOD, Dept. of Mathematics	Faculty of Science and Humanities
12.	Dr. M. Murugan	Dean –& HOD, Dept of Biomedical Engineering	Faculty of Technology
13.	Dr. C. RathnamNadar	Dean	Students Welfare
14.	Dr. M. SankaranarayanaPillai	HOD	Chemistry
15.	Dr.C.P. Maheswaran	HOD ,	Computer Science and Engineering
16.	Dr. N. Abilash	HOD	Mechanical Engineering
17.	Dr.K. Muthuvel	HOD	Electrical and Electronics Engineering
18.	Dr. Edwin Raja Dhas	HOD	Automobile Engineering
19.	Dr. S.S. Kumar	HOD	Electronics and Instrumentation Engineering
20.	Dr. R. MathuSoothana S. Kumar	HOD	Information Technology
21.	Dr. J.R. Jeba	HOD	Computer Applications
22.	Dr. M. Janarthanan Pillai	HOD	Management Studies

23.	Dr. T. Annil Kumar	HOD	Aeronautical Engineering
24.	Sri. ChamanLalOjha	HOD	Aerospace Engineering
25.	Dr. P.K. Praseetha	HOD	Nanotechnology
26.	Dr. S. John Leon	HOD	Marine Engineering
27.	Prof. A. KaleelRahuman	HOD	English
28.	Dr. B. Bindhu	HOD	Physics
29.	Dr.. J.P. Jayan	HOD	Software Engineering
30.	Prof.I.JamesDhinakaran Williams	HOD	Fire Technology and Safety Engineering
31.	Dr. N. Nalanth	HOD	Civil Engineering
33	Dr. J. Amar Pratap Singh	Director – Administration & Computing Center, Professor	Computer Science and Engineering
32.	Prof. M.L. Narayanan	Professor	English
33.	Dr. G.M. Joselin Herbert	Professor	Mechanical Engineering
34.	Dr. P.B. Sarasija	Professor	Mathematics
35.	Prof. M. SivathanuPillai	Professor,	Management Studies
36.	Prof. A.R.S. Iyer	Professor	Information Technology
37.	Dr. P. Sujatha Therese	Professor,	Electrical and Electronics Engineering
38.	Dr. M. Ilankumaran	Professor	English
39.	Dr. J. Charles	Associate Professor & Director-Students Affairs	M.Sc. Software Engineering
40.	Dr. T.M. Selvarajan	Associate Professor	Mathematics
41.	Mr. P.V. Samuel Blessed Nayagam	Deputy Director – Academic Affairs, Assistant Professor	M.Sc. Software Engineering
42.	Mr. T. Gopalakrishnan	Assistant Professor	Electronics and Communication Engineering
43.	Rear Admiral B.R. Menon	Chairman	Kerala Shipping and Island Navigation Corp.Ltd, Cochin
44.	Dr. S. Venkataraman	Behavioural Catalyst & CEO	Coach TVS Groups
45.	Dr. G.L. Valsala	Rtd. Principal	Government Engineering College, Sreekrishnapuram, Palakkad
46.	Mr. R.Narayanan	Former Vice President	Tata Consultancy Services
47.	Mr. T. Elangovan	Former Director	NCTPR, Trivandrum
48.	Dr. Paulose Jacob	Dean	Faculty of Engineering, Cochin University
49.	Dr. P. Thirumalvalavan	Registrar – Secretary	NICHE

Finance Committee

Sl. No.	Name	Designation
1	Dr.A. K. Kumaraguru, Vice-Chancellor, NICHE.	Chairman
2	Dr. N. Chandrashekhar, Pro Vice-Chancellor, NICHE	Ex. Officio Member
3	Dr. P. Thirumalvalavan, Registrar, NICHE.	Special Invite
4.	Dr.K.A.Janardhanan, Dean-Faculty of Management Studies , NICHE.	BOM Member
5.	Mr. S.I. Sreenivas, Accountant	Non Member of BOM
6.	Mr. S. Ganesan, Finance Officer	Secretary

Planning & Monitoring Board

Sl.No.	Names	Category
1.	Dr.A.K. Kumaraguru , Vice-Chancellor, NICHE.	Ex Officio Chairman
2.	Dr.M.S. Faizal Khan , Pro-Chancellor, NICHE.	Internal Member
3.	Dr.R. Perumalsamy , Pro-Chancellor (Academic) NICHE.	Internal Member
4.	Dr.N.Chandrashekhar , Pro Vice-Chancellor, NICHE.	Internal Member
5.	Dr.K.A.Janardhanan , Director, HRM NICHE.	Internal Member
6.	Dr.A. Shajin Nargunam , Director, Academic Affairs, NICHE.	Internal Member
7.	Dr.S. Perumal , Principal, Noorul Islam College of Arts & Science, Kumaracoil – 629 180.	Internal Member
8.	Dr.J. Amar Pratap Singh , Director, Administration NICHE.	Internal Member
9.	Mr.T.P. Sreenivasan , Former Higher Education Secretary, Govt. of Kerala	Outside Expert Member
10.	Mr. Dinesh Krishnan , Senior HR Consultant, Committee Member /NGOs, ½ - 41 E, Rukmoni's, Near EB Substation, Parvathipuram, Nagercoil – 629 003	Outside Expert Member
11.	Prof. (Dr) M.K.C. Nair , (Former Vice-Chancellor, KUHS, Thrissur) Director, NIMS – SPECTRUM-CDRC, NIMS Medicity, Aralumoodu, Neyyattinkara, Thiruvananthapuram.	Outside Expert Member
12.	Dr.P. Thirumalvalavan , Registrar. NICHE.	Ex Officio Secretary

BOARD OF RESEARCH, DEVELOPMENT & CONSULTANCY (BRDC)

Sl. No.	Name of the Members	Designation
1.	Dr. A. K. Kumaraguru, Vice-Chancellor, NICHE.	Chairman
2.	Dr. N. Chandrasekhar, Pro Vice-Chancellor, NICHE	Member
3.	Dr. K. A. Janardhanan, Dean, Faculty of Management Studies, NICHE.	Member
4.	Dr. R.S. Vinod Kumar, Dean, Faculty of EEE, NICHE.	Member
5.	Dr. A. Shajin Nargunam, Dean, Faculty of ICE, NICHE	Member
6.	Dr. M. Murugan, Dean, Faculty of Technology, NICHE.	Member
7.	Dr. R.C. Mehta, Dean, Faculty of Aeronautical and Space Technology, NICHE.	Member
8.	Dr. V. Narayanan Nair, Dean, Faculty of Civil Engineering, NICHE.	Member
9.	Dr. M. K. Jeyakumar, Dean, Faculty of Computer Science, NICHE.	Member
10.	Dr. M. Immaculate Mary, Dean, Faculty of Humanities & Science and Faculty of Allied Health Sciences, NICHE.	Member
11.	Prof. S. Mohana Das, Dean, Faculty of Marine Engineering, NICHE.	Member
12.	Padma Shri. Dr. N. Vedachalam, <i>Distinguished Professor, Director-LPSC (Rtd.), VSSC, Trivandrum.</i>	Member
13.	Dr. N. Periasamy, <i>Professor, School of Chemistry, University of Hyderabad, Hyderabad.</i>	Member
14.	Dr. T. J. Pandian, <i>Emeritus Professor, School of Biological Sciences, M.K University, Madurai.</i>	Member
15.	Dr. M. Lakshmanan, <i>Profesor of Eminence & DST Ramanna Fellow, Centre for Nonlinear Dynamics, Bharathidasan University, Trichy.</i>	Member
16.	Dr. A. Kannan, <i>Professor & Head, Department of Information Science & Technology, Anna University, Chennai.</i>	Member
17.	Dr. T. J. Apren, <i>Head, R.F System and Development Division, VSSC, Thumba, Trivandrum - 695002</i>	Member
18.	Dr. M. Dev Anand, Dean, Faculty of Mechanical Engineering, Director - Research, NICHE.	Member Secretary
19.	Dr. R. Perumalsamy, Pro Chancellor (Academic), NICHE	Invitee
20.	Dr. P. Thirumalvalavan, Registrar, NICHE	Invitee
21.	Dr. R. M. Chandrasekaran, Controller of Examination, NICHE	Invitee

BOARDS OF STUDIES

AERONAUTICAL ENGINEERING

1. Dr.T. Annil Kumar,
Associate Professor &HOD,
Aeronautical Engineering.
2. Dr.R.C. Mehta,
Professor,
Aeronautical Engineering.
3. Mr. R.R. Neela Rajan
Assistant Professor,
Aeronautical Engineering.
4. Mr.K.Anton Savio Lewise
Assistant Professor,
Aeronautical Engineering
5. Mr.I.J. Rohith,
Assistant Professor,
Aeronautical Engineering
6. Mr.V. Antony Vincent,
Assistant Professor,
Aeronautical Engineering,
NICHE.
7. Mr.S.S. Pon Sudhir Sajan,
Assistant Professor,
Aeronautical Engineering,
NICHE
8. Dr.T. Jayachandran
Head - PRG (Propulsion and Research Group)
VSSC PRA – 63, Pottakuzhy,
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9. Dr.K.M. Paramasivam, Ph.D., Post – Doc.
Director, Centre for Research (Aerospace)
Professor, Department of Aerospace Engineering
M.I.T. Campus, Anna University, Chrompet
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AEROSPACE ENGINEERING

1. Shree. Chaman Lal Ojha,
HOD, Aerospace Engineering.

2. Dr. R.C. Mehta,
Professor,
Aeronautical Engineering.
3. Shri. M.S. Aldrin Sugin,
Associate Professor,
Aerospace Engineering.
4. Dr.T. Annil Kumar,
HOD, Department of Aeronautical Engineering,
NICHE.
5. Dr.S. Robin Divahar,
Associate Professor,
Department of Automobile Engineering,
NICHE.
6. Dr.B.Bindhu,
HOD, Physics
7. Dr.M.Immaculate Mary,
HOD, Mathematics
8. Dr.S.S. Kumar,
Associate Professor,
HOD, EIE.
9. Dr.N.Abilash,
HOD, Mechanical Engineering
10. Mr.K. Samuel,
Assistant Professor,
Department of Aerospace Engineering,
NICHE.
11. Mr.S. MuthuSherin,
Assistant Professor,
Aerospace Engineering,
NICHE.
12. Dr.L.M.Karthikeyan,
Assistant Professor,
Aerospace Engineering
13. Dr.S. Swaminathan,
Group Director,
AFDG/AERO, VSSC,
Trivandrum – 629 582.
14. Shri. Pankaj Priyadarshi,
Adjunct Professor, IIST, TVM,
Scientist/ Engineer 'SG',

15. Dr.Anderson
ASP Aeronautical Engineering
Sathynama University
Chennai.

AIRCRAFT MAINTANCE

1. Sri. Chaman Lal Ojha,
HOD.AME.
2. Dr. R.C. Mehta,
Dean, Faculty of Aeronautical
and Space Technology.
3. Dr.M.S.Aldrin Sugin
Assoicate Professor
Aerospace Engg.
4. Mr.S.Robin Divahar,
Associate Professor, Automobile Engineering.
5. Dr.R.S.Vinod Kumar
HOD, Electronics & Communiction Engineering
6. Dr.S.S.Kumar,
HOD Electronics& Instrumentation Engg.
7. Dr.N.Abilash
HOD, Mechanical Engineering
8. Dr.J.Arul Linsely,
HOD, Electrical & Electronics Engineering.
9. Mr.S.Nalinakrishnan Nair,
C1 &Accountable Manager
Aircraft Maintenance Engineering
10. Mr.J. SajiSoundara Raj,
Associate Professor,AME,
NICHE.
11. Capt.Rajesh Daniel,
Member, Instructor Pilot,
RGAAT, Govt. of Kerala
12. Sri.K.Ravindran,
Member Retd
Chief Aircraft Mechanician and
Ex-Aircraft Maintenance Engineer of Qatar Emiri Airforce
13. Mr.M.Sreedharan Nair,
Deputy CI
Aircraft Maintenance Engineering

AUTOMOBILE ENGINEERING

1. Dr. J. Edwin Raja Dhas,
Professor & HOD,
Automobile Engineering.
2. Dr. M. Devanand
Professor & Dean
Faculty of Mechanical Engineering
NICHE
3. Dr. S. Robin Divahar
Associate Professor
Department of Automobile Engineering,
NICHE
4. Dr. B. Stanly Jones Retnam,
Associate Professor,
Automobile Engineering.
5. Dr. M. Edwin SahayaRaj,
Associate Professor,
Automobile Engineering.
6. Dr.P.Pradeep
Associate Professor,
Automobile Engineering
7. Prof. A.K. Darwins,
Assistant Professor,
Automobile Engineering.
8. Shri.M.Prabakaran
Management Representative and HR (Asst)
Veta Industries India Pvt. Ltd.
Chennai – 602 105
9. ShriArun Kumar.A
Assistant Professor,
Fiat Chrysler Automobiles India Pvt. Ltd
RMZ Millenia Business Park Campus
1-! 4th and 5th Floor
143 Kandanchavadi Perungudi
Chennai – 600 096.

BIO MEDICAL Engineering

1. Dr. M. Murugan,
HOD, BMST.
2. Dr.P.Nagendra Prasad,
Dean, Faculty of Technology

3. Dr.Mansoor Ani.N
Associate Professor, BMST.
4. Dr.S. Albert Jerome,
Associate Professor, BMST.
5. Dr.I. Sowmy,
Associate Professor, BMST.
6. Dr.Raja Brindha,
Assistant Professor,
Biomedical Sciences and Technology,
NICHE.
7. Mr.NavisThinagar,
Assistant Professor,
Biomedical Sciences and Technology,
NICHE.
8. Mrs. Lisha Daniel,
Assistant Professor
Biomedical Sciences and Technology,
NICHE.
9. Dr.J. Rajeesh,
Professor,
Department of & Electronics Communication College of Engineering,
Thalassery, Kerala – 670 107.
10. Dr.A. Vijaya Anand,
Associate Professor & Head,
Department of Human Genetics & Molecular Biology,
Bharathiar University, Coimbatore – 641 046.
11. Mr.N. Babith Moses Wilby,
Biomedical Engineer, NIMS,

CIVIL ENGINEERING

1. Dr.N. Nalanth,
Professor & HOD
Civil Engineering, NICHE.
2. Dr. V. Narayanan Nair,
Professor, Dean School of
Civil Engineering, NICHE.
3. Mr. D. Allwin,
Assistant Professor,
Civil Engineering, NICHE.
4. Ms. Alex Dorwina,
Asst. Professor,
Civil Engineering, NICHE.

5. Mr.R.Muthu Uthayan,
Assistant Professor,
Civil Engineering, NICHE
6. Ms. B. Soniya,
Assistant Professor,
Civil Engineering, NICHE
7. Dr.Rajesh Prasanna,
Professor,
Civil Engineering, NICHE
8. Dr.Kandasamy
PABCET, Trichy
(Former Director of Remote Sensing,
Anna University, Chennai.

MARINE ENGINEERING

1. Prof. S. John Leon
HOD, Marine Engineering.
2. Prof. S. Mohan Das,
Director, Marine Engineering.
3. Prof.R. Venugopala Pillai,
Professor, Marine Engineering.
4. Prof. J. Jesin Jude Leonard,
Assistant Professor, Marine Engineering.
5. Dr. V.K. Jebasingh,
Assistant Professor, Marine Engineering.
6. Dr.K.S. Jai Aultrin,
Assistant Professor, Marine Engineering.

COMPUTER SCIENCE AND ENGINEERING

1. Dr. Julia Punitha Malar Dhas,
Professor & HOD, CSE.
2. Dr. A. Shajin Nargunam,
Dean, Faculty of Information
and computer Engineering.
3. Dr. J. Amar Pratap Singh,
Director, Computing Centre.
4. Ms.Sinciya P.O,
Assistant Professor, CSE.
5. Dr. J.E. Judith,
Assistant Professor, CSE.

6. Dr. R. Suji Pramila,
Assistant Professor, CSE.
7. Mrs.Venifa Mini.G
Assistant Professor, CSE
8. Dr.S.Savithri,
Senior Principal Scientist,
Computational Modelling & Simulation Group,
CSIR- National Institute for Interdisciplinary Science & Technology,
Pappanamcode Industrial Estate P.O.,
Thiruvananthapuram 695 019.
9. Dr. R.S. Rajesh,
Professor and Head, Department of CSE,
M.S. University, Titunelveli.

ELECTRICAL AND ELECTRONICS ENGINEERING

1. Dr. J. Arul Linsely,
HOD, EEE.
2. Prof.F.Shamila,
Associate Professor, EEE
3. Dr. P. Sujatha Therese,
Associate Professor, EEE.
4. Dr. D. Mary Synthia Regis Prabha,
Associate Professor, EEE.
5. Dr. M.P. Flower Queen,
Assistant Professor, EEE.
6. Dr. H. Vennila,
Assistant Professor, EEE.
7. Dr.I.Jacob Raglend,
Professor,
SELECT, VIT, Vellore
8. Mr.P.Sylvestor,
Assistant Executive Engineer
Special Maintenance, TANGEDCO,
Moolachel, Thuckalay

ELECTRONICS AND COMMUNICATION ENGINEERING

1. Dr. R.S. Vinod Kumar,
Associate Professor, ECE.
2. Dr. N. Santhi,
Associate Professor, ECE.
3. Dr.S.Amala Shanthi,
Associate Professor, ECE

4. Prof. G. Arockia Selva Saroja,
Associate Professor, ECE.
5. Dr.G.Arockia Selva Saroja,
Associate Professor, ECE
6. Dr.M.Mary Synthuja Jain Preetha
Assistant Professor, ECE
7. Prof.T.Gopalakrishnan
Assistant Professor, ECE
8. Dr.K.Hariharan
Associate Professor
Dept. ECE
Thagarajar College of Engineering, Madurai

ELECTRICAL AND ELECTRONICS ENGINEERING

1. Dr. J. Arul Linsely,
HOD, EEE.
2. Prof.F.Shamila,
Associate Professor, EEE
3. Dr. P. Sujatha Therese,
Associate Professor, EEE.
4. Dr. D. Mary Synthia Regis Prabha,
Associate Professor, EEE.
5. Dr. M.P. Flower Queen,
Assistant Professor, EEE.
6. Dr. H. Vennila,
Assistant Professor, EEE.
7. Dr.I.Jacob Raglend,
Professor,
SELECT, VIT, Vellore
8. Mr.P.Sylvestor,
Assistant Executive Engineer
Special Maintenance, TANGEDCO,
Moolachel, Thuckalay

ELECTRONICS AND INSTRUMENTATION ENGINEERING

1. Dr. S.S. Kumar,
Associate Professor, EIE.
2. Dr.R.S.Vinod Kumar
Professor & Dean, EIE
3. Dr.V.Amsaveni,
Associate Professor, EIE

4. Dr.D.Menaka,
Associate Professor, EIE
5. Prof.R.Manju,
Assistant Professor
6. Prof.R.Sarath,
Assistant Professor, EIE.
7. Dr.G.Glan Devadhas,
Professor, EIE Department,
Vimal Jyothi Engineering College
Chemperi Post, Kannur
8. Mr.S.Ashok,
Deputy Manager, C&I/Electrical
Doosan Power Systems India Pvt. Ltd
18/2 Senneerkuppam Bye-pass Road, Poonamalle, Chennai-56

INFORMATION TECHNOLOGY

1. Dr. R. Mathusoothana S. Kumar,
HOD, Information Technology.
2. Dr. A.Shajin Nargunam,
Dean, Faculty of Computer &
Information.
3. Prof. A.R. Subramoniya Iyer,
Associate Professor, Information Technology.
4. Dr. S. Maris Celestin Vigila,
Associate Professor, Information Technology.
5. Prof. N. Sugitha,
Associate Professor, Information Technology.
6. Ms.Y.Jeyasheela
Assistant Professor, Information Technology.
7. Dr.T.Brindha,
Assistant Professor, Information Technology
8. Dr.P.Yogesh,
Associate Professor,
Dept. of Information Science & Technology
Anna University, Chennai – 600 025
9. Mr.C.Balan,
Joint Director, Centre for Development of Advanced Computing (C-DAC)
Vellayambalam,
Thiruvananthapuram – 695 033

MANAGEMENT STUDIES

1. Dr.V.Sreedevi
Professor & HOD, MBA
2. Dr. K. A. Janardhanan,
Director, HRM.
3. Dr.M. Sivathanu Pillai
Professor, MBA
4. Dr.M.Wilson,
Professor, MBA
5. Dr.Merlin Thanga Joy
Associate Professor, MBA
6. Dr. R. Radhika,
Associate Professor, MBA.
7. Dr.V.P.Velmurugan,
Assistant Professor, MBA
8. Dr.M.C.Shibin Tad,
Assistant Professor, MBA
9. .K. Sreeranganathan
Director, School of Management and Business Studies,
M.G. University, Kottayam.
10. Dr.C. Samudhrs Rajakumar,
Professor, Department of Business Administration,
Annamalai University,
Chidambaram.

COMPUTER APPLICATION

1. Dr.J.R. Jeba,
Associate Prof, HOD.
2. Dr.A. Shajin Nargunam,
Dean- Faculty of Information &
Communication Engineering.
3. Dr. M.K. Jeya Kumar,
Dean- Faculty of Computer
Science.
4. Dr.M.Victor Jose,
Associate Professor, MCA.
5. Prof. S. Beulah,
Associate Professor, MCA.

6. Prof. U. Kumaran,
Assistant Professor, MCA.
7. Dr. A.C. Subhajini,
Assistant Professor, MCA.
8. Dr. S.P. Victor
Associate Professor & HOD
Department of Computer Science,
Director of Research Centre,
St. Xavier's College, (Autonomus)
Palayamkottai – 627 002.
9. Dr.S.Savithri,
Senior Principal Scientist,
Computational Modelling & Simulation Group,
CSIR- National Institute for Interdisciplinary Science & Technology,
Pappanamcode Industrial Estate P.O.,
Thiruvananthapuram 695 019.

MECHANICAL ENGINEERING

1. Dr.N.Abilash,
Professor, HOD,
Mechanical Engineering.
2. Dr.N. Chandrashekhar,
Pro Vice-Chancellor.
3. Dr.M. Dev Anand,
Director Research.
4. Dr.G.M. Joselin Herbert,
Professor,
Mechanical Engineering.
5. Dr.N.Ramasamy
Associate Professor,
Mechanical Engineering
6. Dr.Rajesh,
Associate Professor,
Department of Mechanical Engineering.
7. Prof. S. Raja,
Assistant Professor,
Mechanical Engineering.
8. Mr. P. Jerold Jose,
Assistant Professor,
Mechanical Engineering.
9. Dr.N. Jawahar,
Dean – Research and Development,
Thiagarajar College of Engineering, Madurai.

10. Dr.M. Herbert Raj,
Refrigerant Expert
Danfoss Refrigerant and A.C. Control Division,
Chennai.

M.Sc. SOFTWARE ENGINEERING

1. Mr. J.P. Jayan,
HOD, Software Engineering.
2. Dr.C. Ratnam Nadar,
Director – Students Welfare.
3. Prof. J. Charles,
Director Students Affaires.
4. Dr.M.K. Jeya Kumar,
Dean- School of Computer Science.
5. Mr. V.G. Ranjith,
Assistant Professor,
Software Engineering.
6. Mr. C.R. Sheela Kumari,
Assistant Professor,
Software Engineering.
7. Mr. S. Jerine,
Assistant Professor,
Software Engineering.
8. Dr. R.S. Rajesh,
Professor & HOD,
Department of CSE,
Manonmanian Sundaranar University,
Tirunelveli – 627 012.
9. Mr.K.Mohammed Irfan,
Assistant System Engineer,
TCS, Think Campus, Electronic city – Phase II,
Bangalore – 560 066

NANO TECHNOLOGY

1. Dr. Praseetha P.K,
Associate Professor,
HOD, Nano.
2. Dr.P.Nagendra Prasad,
Dean, Faculty of Technology
3. Dr. Balamurugan S,
Associate Professor, Nano.
4. Dr.Jebashiney.O,
Associate Professor, Nano
5. Dr.M.Prabu,
Assistant Professor, Nano

ENGLISH

1. Mr. A. Khaleel Rahuman,
HOD, English.
2. Dr. B. Krishnan,
Director, Admission, Humanities and I year B.E./
B.Tech Programs.
3. Dr. M. Ilankumaran,
First Year Co-ordinator.
4. Dr. M. Immaculate Mary,
Dean, Science and
Humanities.
5. Dr. M. L. Narayanan,
Director, Grievance Cell.
6. Dr. R. Abilasha,
Assistant Professor, English.
7. Ms. V.S. Bindhu,
Assistant Professor, English.
8. Dr.K. Balasubramanian,
Former Professor of English,
V.V. College of Engineering,
V.V. Nagar, Arasoor, Thisaiyanvilai (Via),
Sathankulam Taluk,
Tuticorin Dist – 628 656.
9. Dr.S. Chellakumar Rose,
Dean, Academic Affairs
Annai Velankanni College of Engineering,
Alagappapuram Post,
Alagappapuram,
Kanyakumari District.

MATHEMATICS

1. Dr. M. Immaculate Mary,
Prof. & HOD, Mathematics.
2. Dr. C. Ratnam Nadar,
Dean, Students Welfare.
3. Dr. S. Ramachandran,
Professor, Mathematics.
4. Dr. P.B. Sarasija,
Professor, Mathematics.
5. Dr.T.M.Selvarajan,
Associate Professor,
Mathematics
6. Dr. K. Uma Samundesvari,
Assistant Professor,
Mathematics.

7. Dr. R. Binthiya,
Assistant Professor,
Mathematics.
8. Dr. P. Titus,
Assistant Professor, HOD, Mathematics,
University College of Engineering,
Nagercoil,
Konam – 629 004.

PHYSICS

1. Dr. B. Bindhu,
HOD, Physics.
2. Dr. M. Immaculate Mary,
Dean, Faculty of Science and
Humanities.
3. Dr. V.N. Meenadevi,
Associate Professor, Physics.
4. Dr. R. Ganapathi Raman,
Assistant Professor, Physics.
5. Mrs.Sagi Rani,
Assistant Professor, Physics
6. Dr.K. Iyakutti,
Professor of Physics,
S.R.M. University,
Chennai.
7. Dr.T.Rajasekhar,
Professor of Physics
Manonmaniam Sundaranar University, Tirunelveli.

CHEMISTRY

1. Dr. M. Sankaranayana Pillai
Professor & HOD, Chemistry
2. Dr. J. Joseph
Professor, Chemistry
3. Dr. M. Immaculate Mary
Professor & HOD, Mathematics
4. Dr.E. Subramanian
Professor of Chemistry
M.S. University
Tirunelveli.
5. Dr.C. Vaithiyanathan
Professor and HOD, Chemistry
S.T. Hindu College, Nagercoil – 629 002

DEANS OF FACULTIES

Sl.No.	Faculty	Name of the Dean
1.	Dean – Faculty of Computer Science	Dr. M.K. Jeyakumar
2.	Dean – Faculty of computer & Information Engineering	Dr. A. Shajin Nargunam
3.	Dean – Faculty of Mechanical Engineering	Dr.M. Dev Anand
4.	Dean Faculty of Electrical & Electronics Engineering	Dr. R.S. Vinod Kumar
5.	Dean – Faculty of Civil Engineering	Dr. V. Narayana Nair
6.	Dean – Faculty of Science and Humanities	Dr. M. Immaculate Mary
7.	Dean- Faculty of Management Studies	Dr.K.A. Janardhanan
8.	Dean – Faculty of Aeronautical and Space Technology	Dr. R.C. Mehta
9.	Dean – Faculty of Technology	Dr.M. Murugan
10.	Dean – Faculty of Marine Engineering	Prof. S. Mohan Das
11	Faculty of Allied Health Sciences	Dr. M. Immaculate Mary

Officers of NICHE

1. Dr. A.P. Majeed Khan,
President, NICHE Society.
2. Shri. M.S. Faizal Khan,
Vice – President, NICHE Society.
3. Dr.A.K. Kumaraguru
Vice- Chancellor
4. Dr.R. Perumalsamy,
Pro- Chancellor (Academic)
5. Dr.N. Chandrashekhar,
Pro Vice-Chancellor.
6. Dr.P.Thirumalvalavan,
Registrar.
7. Dr. RM. Chandrasekaran,
Controller of examinations.
8. Dr. K. A. Janardhanan,
Director, HRM.
9. Dr.A. Shajin Nargunam,
Director, Academic Affairs.
10. Dr. M. Dev Anand,
Director, Research.
11. Prof. J. Charles,
Director, Students Affairs.
12. Prof. M. Sivathanu Pillai,
Director, Industry Institute Interaction.
13. Dr.J. Amar Pratap Singh,
Director, Administration
14. Dr. R. Mathusoothana S. Kumar,
Director, Entrance Examination.
15. Mr. S. Mohana Das,
Director, Marine Engineering.
16. Dr. M.K. Jaya Kumar,
Additional Controller of Examinations.
17. Dr. M. Ilankumaran,
I Year Co-ordinator.
18. Dr.G. Ramadas,
Public Relations Officer.

NAME OF THE DEPARTMENT: Department of Aerospace Engineering**1. Department Details :**

Name of the School	Faculty of Aeronautical and Space Technology
Name of the HOD, Phone No. and E-mail ID	Dr. M.S.Aldrin Sugin +919894084608 asonline@niuniv.com
Year of Establishment	2009
Telephone Number	-
Website / E mail	http://niuniv.com/department.php?of=aerospace-engineering

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1	Dr. M.S.Aldrin Sugin	Ph.D	Associate Professor & HoD i/c	Aerospace	13	-	aldrin_sugin@Rediffmail.com 9894084608
2	Dr.L.M.Karthikeyan	Ph.D	Assistant Professor	Aerospace	10	-	lmkarthikeyan@yahoo.in 9865547716
3	Mr.N.Satheesh Raja	M.E.	Assistant Professor	Aerospace	9	-	Satheshraja99@gmail.com 9789783789

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr.Aldrin Sugin	1	1	-	5	-	18	135	135	-	-	-	-	-	-
2	Dr.L.M.Karthikeyan	-	2	-	16	-	7	135	135	-	-	-	-	-	-
3	N.Sathesh Raja	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.. Research Schemes/Projects undertaken : Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc. Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1				
2				

b) Foreign Faculty/Expert visit to the Department: Nil

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. : Nil

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1					

7. Details of Seminars, Conferences and Refresher courses Organised : Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels: Nil

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)

9. Details of patents applied/registered: Nil

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs: Nil

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength								Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
	UG Programme	30	6	8	14	3	1	3	6	-	-	-	-	-	1	-	-	-	-	6	3	3	9	4	4	100		
	PG Courses																											
	M.Phil. Programme																											
	Ph.D Programme																											
	Diploma Certificate Courses (if any)																											
	MOOC/NPTEL/UG C online courses offered																											
	Total																											

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.E Aerospace Engineering	Indian	Kerala	1	3	4
2	B.E Aerospace Engineering	Indian	Aundrapredesh	-	1	1
3	B.E Aerospace Engineering	Indian	Maharastra	1	-	1
4	B.E Aerospace Engineering	Indian	Karnataka	1	-	1
5	B.E Aerospace Engineering	Indian	Telangana	1	-	1
6	B.E Aerospace Engineering	Indian	West Bangal	1	-	1

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male	05	Nil		Nil				Nil			
2	Female	05	Nil		Nil				Nil			

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded : Nil

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	B.E ASE	14	14	14	14	9	9	9	9	12	12	12	12	8	8	8	8

17. Placement Details:

Name of the Placement co-ordinator: N.Sathesh Raja																	
Phone/Mobile Number : e-mail: 9789783789 Satheshraja99@gmail.com																	
Number of Placement Programmes: 1																	
S. No.	Particulars							Numbers of students placed									
								Male					Female				
1	Number of Students Placed							-					-				
2	Number of Placements obtained through Campus Interview							-					-				
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)							0					0				

18. Outstanding achievements by the Faculty Members: Nil

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students: Nil

S.No.	Name of the Student	Achievements	Agency
1			

20. Department Meetings Held : BOS,Programme Committee, Course Committee etc.

S.No	Name	Date	
1.	Board of Studies Meeting	26.07.2021 11.00 AM	Online (Google Meet)

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1	Computational Fluid Dynamics Lab	The CFD lab consists of a 40 Node Linux OS based Cluster. The basic unit is a Xeon GHz Quad pro processor and a ten such units make up the total system and one of these units constitutes as the main server. At present ANSYS 12 CFD Version has been installed	-	The CFD Lab serves as a basic computational Platform for Design, Research and Educational activities

22. Extension activities carried out : Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	657	7	No. of titles available	294
2	Books added during the year 2018-19	4	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/Magazines	14	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	1	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	WiFi connecting to all	12	Availability of Language Lab	No
			13	NDL membership 1. Faculty members 2. Students	4

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer	Levono - Pentium (R) Dual-core CPU E5700 @ 3.00GHz, RAM 2GB	1	7	Network	-	1
2	Laptops	Levono - Pentium 1.9 GHz Processor, 500 GB HDD, 2 GB RAM	1	8	Fax	-	0
3	Printer	-	0	9	Smart Class	With smart board interacted board and projector ceiling mount	1
4	LCD Projector	Epson Multi media Projector with lens, Remote, Power cable, VGA, Bag, Adopter cable, EPSON CD ROM	1	10	Software/ Data base	ANSYS, FLUENT, MATLAB	1
5	Net Connection Wi-Fi: Wired:	-	1	11	Others	ANUJA PA Amplifier, wireless micro phone and wall speakers	1
6	Scanner	-	0				

24.Collaborative Researches :Nil

25.Consultancies : Nil

26.No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices : Nil

29. Academic Flexibility : Nil

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Conducted
6	Quality Mandate committees	
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidlinies on Examinations and SOP	Implemented
12	Formation of Grivance Committee	
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Implemented
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: Aircraft Maintenance Engineering**1. Department Details :**

Name of the School	Faculty of Aeronautical and Space Technology
Name of the HOD, Phone No. and E-mail ID	S.Nalinakshan Nair
Year of Establishment	2013
Telephone Number	9946668103
Website / E mail	snalinakshan@yahoo.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	S.Nalinakshan Nair	B.Tech equivalent, AME	Accountable Manager	AME	15		snalinakshan@yahoo.com 994666103
2.	M.Shreedharan Nair	AME	Deputy Chief Instructor	AME	10		srreedhar.nair47@gmail.com 9400274976
3	Dr.J.SajiSundara Raj	M.E., Ph.D.	Associate Professor	Hydro farming	25	-	sajisoundararaj@yahoo.com 9443692761
4	Dr.J.Benita	M.E.,Ph.D.	Assistant Professor	Communication	16	-	beni.bless@gmail.com / 9944378884
5	S. HariKumar	M.E.,	Assistant Professor	Applied Electronics	5		jas6508@gmail.com 9894479897
6	J.Anish	M.E.,(Ph.D)	Assistant Professor	Aeronautical	8	-	anish88aero@gmail.com 9952303947
7	D.Sudhakar	M.E.,	Assistant Professor	Thermal Power Plant	16	-	dsudhakarpranav@gmail.com 9442842041
8.	NinishaNels	M.E.,(Ph.D)	Assistant Professor	Computer science	5	-	sninishanel01@gmail.com 9489457153

3. Faculty Members Achievements /Performance:Nil

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.. Research Schemes/Projects undertaken :Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	-	-	-	-	-	-

5. a) Participation of the Faculty members to present papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.: Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	-	-	-	-

b) Foreign Faculty/Expert visit to the Department: Nil

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	-	-	-	-	-

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. : Nil

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	-	-	-	-	-

7. Details of Seminars, Conferences and Refresher courses Organised: Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1	-	-	-	-

8. Publication of Research Papers at the State/National/International Levels: Nil

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	-	-	-	-	-	-

9. Details of patents applied/registered: Nil

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
-	-	-	-	-	-

10. Publications of Books/Monographs: Nil

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	-	-	-	-

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2020-21		Total	Community														Existing Students, Strength								Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
	UG Programme	60	8	26	34	28	4	46	3	3	-	-	-	8	-	-	-	-	-	55	5	23	2	7	-	100		
	PG Courses																											
	M.Phil. Programme																											
	Ph.DProgram me																											
	Diploma Certificate Courses (if any)																											
	MOOC/NPTEL/UG C online courses offered																											
	Total	60			34	28	4	46	3	3	-	-	-	8	-	-	-	-	-	55	5	23	2	7	-	100		

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	U.G. and AME	Indian	Kerala	27	1	27
2	U.G. and AME	Indian	Himachal Pradesh	1		1
3	U.G. and AME	Indian	Uttar Pradesh	4	1	5
4	U.G. and AME	Indian	Andra Pradesh	12	1	13
5	U.G. and AME	Indian	Maharastra	3		3
6	U.G. and AME	Indian	Karnataka	3		1
7	U.G. and AME	Indian	Telangana	11	4	15
8	U.G. and AME	Indian	Odisha	3		3
9	U.G. and AME	Indian	Delhi	2		2
10	U.G. and AME	Indian	West Bengal	7	1	8
11	U.G. and AME	Indian	Bihar	5		5
12	U.G. and AME	Indian	Jharkhand	2		2
12	U.G. and AME	Indian	Madhya Pradesh	2		2

13. P.G. and Research degrees awarded: Nil

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
-	-	-	-	-	-	-	-	-	-	-	-	-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :Nil

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	-	-	-	-	-

15.Scholarships Awarded: Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							

4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
Total		-	-	-	-	-	-	-

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	U.G. AME	34	30	60	47	60	56	25	16	25	25	7	4	7	6	60	47

17. Placement Details:

Name of the Placement co-ordinator: Dr.J.SajiSoundara raj																	
Phone/Mobile Number :e-mail: sajisoundararaj@yahoo.com 9443692761																	
Number of Placement Programmes:Nil																	
S. No.	Particulars							Numbers of students placed									
								Male					Female				
1	Number of Students Placed							-					-				
2	Number of Placements obtained through Campus Interview							-					-				
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)							-					-				

18. Outstanding achievements by the Faculty Members:Nil

S. No.	Name of the Faculty	Achievements	Agency
1	-	-	-

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	C. Karthikeyan	Student Innovator Award	Govt. of Tamil Nadu
2	E. Hema Priyanka	Passed module Exam	Govt. of India
3	A. Durga Vishal Kumar	Passed module Exam	Govt. of India
4	Jogi Hemanth Kumar	Passed module Exam	Govt. of India

20. Department MeetingsHeld : BOS,Programe Committee, Course Committee etc.

S.No	Name	Date	
1.	Course Committee	-	-
2	Programme Committee	-	-
3	BOS	28-07-2021	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :Nil

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
-	-	-	-	-

22. Extension activities carried out :Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	-	-	-	-
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	608	7	No. of titles available	188
2	Books added during the year 2018-19	-	8	No. of CDs and Digital Books Available	-
3	No. of Indian Journals/Magazines	-	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	30	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	100 Mbps	12	Availability of Language Lab	-
			13	NDL membership 1. Faculty members 2. Students	-

24. Information and Communication Technology Resources: Nil

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24.CollaborativeResearches : Nil

25.Consultancies :Nil

26.No. of NET/SET/GATE/CSIR Qualified students:Nil

27. MOUs signed :Nil

28. Innovations and Best Practices :Nil

29. Academic Flexibility :Nil

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
-	-	-	-	-

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Not Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	-
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	-
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading AarogyaSethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidlinies on Examinations and SOP	Implemented
12	Formation of Grivance Committee	Implemented
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	-
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	-
18	Awareness on Covid 19	Conducted
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT:AUTOMOBILE ENGINEERING

1. Department Details :

Name of the School	Faculty of Mechanical Engineering
Name of the HOD, Phone No. and E-mail ID	Dr. J.EDWIN RAJA DHAS 9443607104 edwinrajadhas@rediffmail.com
Year of Establishment	2009
Telephone Number	
Website / E mail	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1	Dr. J.Edwin Raja Dhas	PhD	Professor& Head	Intelligent Manufacturing	16	1.5	edwinrajadhas@rediffmail.com 9443607104
2	Dr. M. Edwin Sahayaraj	PhD	Associate Professor	Surface Engineering	20		ebishaoun@gmail.com 9443734994
3	Mr. S. Robin Divahar	ME	Associate Professor	Thermal	15.6 years		srobin@yahoo.com 9944258801
4	Dr. Stanly Jones Retnam.B	PhD	Associate Professor	Composite Materials	12.5		er.stanleybjones@yahoo.co.in 9443791408
5	Darwins. A.K	ME	Assistant Professor	Manufacturing	16.2		akdarwins@gmail.com 9487657885

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	M. Phil	Ph.D.
1	Dr. J.Edwin Raja Dhas		4	5	7	2	24		145			3	4		8
2	Dr. Stanly Jones Retnam.B		8	2	8	2	29		118						07
3	Dr. Robin Diwahar		2	3	7	1	17		119						02
4	Dr. M. Edwin Sahayaraj		4	5	8	9	21		121						01

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of the Faculty members to present papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. J.Edwin Raja Dhas,	STTP	Robotics and Its Impact on Society	17th Nov 2020.
2				

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr.J.Edwin Raja Dhas	Reourse Person	STTP	Robotics and its Impact on Society	Online, 17 th Nov 2020.

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1	Dr. G. Kalivarthanan	International Workshop Recent developments in autointronics and MEMS using MI and AL in Automotive Electronics	International	18 th July 2020.

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	J. Edwin Raja Dhas	Development of Taguchi based Grey Relational Analysis for FSW Parametric Optimization on AZ31B Magnesium Alloy	Int. J. Vehicle Structures & Systems,	12(3),	2020.	70-76
2	J. Edwin Raja Dhas	ASTM /ASME standards comparison on UTS of Friction stir welded Magnesium alloys	Solid State Technology	63(5)	2020	4789-4798
3	J. Edwin Raja Dhas	Influence of Temperature on Mechanical and Microstructural Properties during FSW of Magnesium Alloys	Journal of Green Engineering	Volume-10, Issue-9,	September 2020	6541-6560

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength								Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
	UG Programme		0	5		1		3		1										9	0	24	0	28	0	48%		
	PG Courses		1	3		0		4		1										1						100%		
	M.Phil. Programme																											
	Ph.DProgram me																											
	Diploma Certificate Courses (if any)																											
	MOOC/NPTEL/UGC online courses offered																											
	Total																											

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass

17. Placement Details:

Name of the Placement co-ordinator:																	
Phone/Mobile Number :e-mail:																	
Number of Placement Programmes:																	
S. No.	Particulars							Numbers of students placed									
								Male					Female				
1	Number of Students Placed							7					NIL				
2	Number of Placements obtained through Campus Interview							6									
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)							44 %									

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	Course Committee Programme Committee etc. Class Committee	25 th July 2020 29 th Aug 2020 18 th Oct 2020 15 th Nov 2020 23 rd Sep 2020	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Other s	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	No s.	S. No.	Particulars	Nos.
1	No. of books available	948	7	No. of titles available	
2	Books added during the year 2018-19	27	8	No. of CDs and Digital Books available	10
3	No. of Indian Journals/Magazines		9	No. of Foreign Magazines/Journals	
4	No. of data bases available		10	No. of Online Journals	
5	Average No. of students visiting the Library per day		11	Average No. of books Issued per day	
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)		12	Availability of Language Lab	
			13	NDL membership Faculty members Students	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	No s.	S. N o.	Name of the Equip ment	Specifications	No s.

24.Collaborative Researches :I**25.Consultancies :****26.No. of NET/SET/GATE/CSIR Qualified students:****27. MOUs signed : YES****28. Innovations and Best Practices :****29. Academic Flexibility :**

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	
3	Helpline nos.	
4	Permission to work from Home	
5.	ICT / Online class Initiatives	
6	Quality Mandate committees	
7	Stay Safe – switching off the lights	
8	Nomination of Counselors for Mental Health and well being	
9	Downloading AarogyaSethu	
10	Revised Academic Calender	
11	Guidelines on Examinations and SOP	
12	Formation of Grievance Committee	
13	Circular on Flexible fee payments	
14	Conduct of Webinars and Video Conferences	
15	Terminal Semester Examinations	
16	Popularising online Courses	
17	MANODARPAN	
18	Awareness on Covid 19	
19	Provision of Quarantine Facilities / Support	

NAME OF THE DEPARTMENT: Department of Aerospace Engineering

1. Department Details :

Name of the School	Faculty of Aeronautical and Space Technology
Name of the HOD, Phone No. and E-mail ID	Dr. M.S.Aldrin Sugin +919894084608 asonline@niuniv.com
Year of Establishment	2009
Telephone Number	-
Website / E mail	http://niuniv.com/department.php?of=aerospace-engineering

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr. M.S.Aldrin Sugin	Ph.D	Associate Professor & HoD i/c	Aerospace	13	-	aldrin_sugin@Rediffmail.com 9894084608
2	Dr.L.M.Karthikeyan	Ph.D	Assistant Professor	Aerospace	10	-	lmkarthikeyan@yahoo.in 9865547716
3	Mr.N.Satheesh Raja	M.E.	Assistant Professor	Aerospace	9	-	Satheshraja99@gmail.com 9789783789

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr.Aldrin Sugin	1	1	-	5	-	18	135	135	-	-	-	-	-	-
2	Dr.L.M.Karthikeyan	-	2	-	16	-	7	135	135	-	-	-	-	-	-
3	N.Sathesh Raja	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.. Research Schemes/Projects undertaken : Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc. Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1				
2				

b) Foreign Faculty/Expert visit to the Department: Nil

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. : Nil

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1					

7. Details of Seminars, Conferences and Refresher courses Organised : Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels: Nil

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)

9. Details of patents applied/registered: Nil

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs: Nil

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength								Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
	UG Programme	30	6	8	14	3	1	3	6	-	-	-	-	-	1	-	-	-	-	6	3	3	9	4	4	100		
	PG Courses																											
	M.Phil. Programme																											
	Ph.D Programme																											
	Diploma Certificate Courses (if any)																											
	MOOC/NPTEL/UGC online courses offered																											
	Total																											

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.E Aerospace Engineering	Indian	Kerala	1	3	4
2	B.E Aerospace Engineering	Indian	Aundrapredesh	-	1	1
3	B.E Aerospace Engineering	Indian	Maharastra	1	-	1
4	B.E Aerospace Engineering	Indian	Karnataka	1	-	1
5	B.E Aerospace Engineering	Indian	Telangana	1	-	1
6	B.E Aerospace Engineering	Indian	West Bangal	1	-	1

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male	05	Nil		Nil				Nil			
2	Female	05	Nil		Nil				Nil			

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded : Nil

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	B.E ASE	14	14	14	14	9	9	9	9	12	12	12	12	8	8	8	8

17. Placement Details:

Name of the Placement co-ordinator: N.Sathesh Raja			
Phone/Mobile Number :e-mail: 9789783789 Satheshraja99@gmail.com			
Number of Placement Programmes: 1			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	-	-
2	Number of Placements obtained through Campus Interview	-	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	0	0

18. Outstanding achievements by the Faculty Members: Nil

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students: Nil

S.No.	Name of the Student	Achievements	Agency
1			

20. Department Meetings Held :

BOS,Programme Committee, Course Committee etc.

S.No	Name	Date	
1.	Board of Studies Meeting	26.07.2021 11.00 AM	Online (Google Meet)

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1	Computational Fluid Dynamics Lab	The CFD lab consists of a 40 Node Linux OS based Cluster. The basic unit is a Xeon GHz Quad pro processor and a ten such units make up the total system and one of these units constitutes as the main server. At present ANSYS 12 CFD Version has been installed	-	The CFD Lab serves as a basic computational Platform for Design, Research and Educational activities

22. Extension activities carried out : Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	657	7	No. of titles available	294
2	Books added during the year 2018-19	4	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/Magazines	14	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	1	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	WiFi connecting to all	12	Availability of Language Lab	No
			13	NDL membership 1. Faculty members 2. Students	4

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer	Levono - Pentium (R) Dual-core CPU E5700 @ 3.00GHz, RAM 2GB	1	7	Network	-	1
2	Laptops	Levono - Pentium 1.9 GHz Processor, 500 GB HDD, 2 GB RAM	1	8	Fax	-	0
3	Printer	-	0	9	Smart Class	With smart board interacted board and projector ceiling mount	1
4	LCD Projector	Epson Multi media Projector with lens, Remote, Power cable, VGA, Bag, Adopter cable, EPSON CD ROM	1	10	Software/ Data base	ANSYS, FLUENT, MATLAB	1
5	Net Connection Wi-Fi: Wired:	-	1	11	Others	ANUJA PA Amplifier, wireless micro phone and wall speakers	1
6	Scanner	-	0				

24.Collaborative Researches :Nil

25.Consultancies : Nil

26.No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices : Nil

29. Academic Flexibility : Nil

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Conducted
6	Quality Mandate committees	
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidelines on Examinations and SOP	Implemented
12	Formation of Grievance Committee	
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Implemented
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: ALLIED HEALTH SCIENCES

1. Department Details :

Name of the School	Faculty of Allied Health Sciences
Name of the HOD, Phone No. and E-mail ID	DR.G.AROCKIA SELVA SAROJA 9443693268 arockiaselvasaroja@niuniv.com , aroseg@yahoo.com
Year of Establishment	2019
Telephone Number	04651 250566
Website / E mail	Website: http://www.niuniv.com/department.php?of=allied-health-sciencealliedhealthsciencesniu@gmail.com

2. Details of Faculty Members :

S. N o.	Name of the Faculty	Qualifi- cation	Design ation	Specia lisatio n	Experien ce in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	Dr. G. Arockia Selva Saroja	M.E, Ph.D.,	Associate Professor	Image Processi ng	22 yrs 9 mo nth s	15 yrs	arockiaselvasaroja@niuniv.com 9443693268
2	Mrs. Arya Sankari	M.Sc (N), MBA, ICCP	Assistant Professor	Medical surgical nursing, Hospita l manage ment	7 yrs		aryas@niuniv.com 7736235510
3	Mrs. Janu J.P	M.Sc, M.Phil.,	Assistant Professor	Bioinfo rmatics and Drug designi ng	4 yrs 1 mo nth		jpjanu@niuniv.com 9944731631
4	Mrs. G. Monic Leka	M.RSc.,	Assistant Professor	Rehabil itation science	5 yrs		gml@niuniv.com 8754057536
5	Dr.J. Raja Brindha	M.Sc, M.Phil, Ph.D, MBA.,	Assistant Professor	Medical Microbi ology and Immun ology	17 yrs		rajabrindha@niuniv.com 9751145788

S. N o.	Name of the Faculty	Qualifi- cation	Design ation	Specia lisatio n	Experien ce in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
6	Mr.Nahas N	B.Sc.,	Clinical Perfusioni st	Cardiot horacic and vascular surgery	3 yrs		nahasnoor@niuni v.com 7907268266
7	Dr.N.C.J.Packi a Lekshmi	M.Sc, M.Phil, Ph.D.,	Assistant Professor	Medical Microbi ology and Molecul ar Genetic s	19 yrs		packialekshmi@n iuniv.com 9442076248
8	Mr.Arun James	M.Sc.,	Assistant Professor	Forensi c Anthrop ology and Psychol ogy	3.5 yrs		Arunjames@niun iv.com 9048887647
9	Mrs.Bushra Beevi R	M.Sc.,	Assistant Professor	Bioche mistry	3yr s		arifbushra@niuni v.com 9895136157
10	Dr.Munnu Das	BHMS, MD.,	Assistant Professor	Homeo pathy medicin e and DM in Emerge ncy Medicin e and critical manage ment	5 yrs		munnudj@niuniv. com 8921658310
11	Dr.Gokul Gopi	BDS.,	Assistant Professor	Dentist y (Basic Surgical and conserv ative procedu res)	3 yrs		gokulgopi@niuni v.com 9495944774
12	Mr.Arun P.T	MASLP.,	Assistant Professor	Audio vestibul	3yr s		arunpt@niuniv.co m

S. N o.	Name of the Faculty	Qualifi- cation	Design ation	Specia lisatio n	Experien ce in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
				ar and speech languag e swallow ing patholo gy			9744686209
13	Dr.Janaki M.C	M.A, Ph.D, L.L.B.,	Assistant Professor	Handwr iting and Docum entation , Forensi c Psychol ogy	14 yrs	5 yrs	drjanakimc@niuiv.com 9901308910
14	Mrs. Deepa Priya B S	M.Tech	Assistant Professor	Wireles s sensor network s	15 yrs 3 mo nth s		deepapriya@niuiv.com 9486663388
15	Mrs. Ashlin Jeba	M.Sc (N).,	Assistant Professor	Medical Surgical Nursing (Nephr Urolgoy Nursing)	4 yrs		ashlinjeba@niuniv.com 9345573094
16	Mrs. Subha T	M.Sc, M.Phil.,	Assistant Professor	Biotech nology and Bioche mistry	12 yrs 2 mo nth s		subhat@niuiv.co m 9047393207
17	Mr Shefin Jose	M.Sc.,	Assistant Professor	Forensi c Physics	2 yrs		Shefin@niuiv.co m 7907874192
18	Ms. Nimya Joseph	M.A.,	Assistant Professor	Linguist ics	2 yrs		Nimyajoseph@ni univ.com 9538271113
19	Ms. Alaka S. Prasad	MASLP.,	Assistant Professor	Child language	2 yrs		Alakasprasad@niuiv.com

S. N o.	Name of the Faculty	Qualifi- cation	Design ation	Specia lisatio n	Experien ce in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
				disorder and adult language disorder , swallowi ng, audiology			8593067297
20	Dr. Shabi Ruskin	M.Sc, M.Phil, Ph.D.,	Assistant Professor	Plant Biotechno logy and Molecular Biology	13 yrs 8 mon ths		shabiruskin@niuiv.com 9865823925
21	Mrs. Pratheeba	M.Sc (N).,	Assistant Professor	Nursing(pediatric nursing)	1 yr 8 mon ths		pradheba@niuniv.com 9629204089
22	Ms. Manisha	M.Sc.,	Teaching Assistant	Biotech nology	8 mon ths		manisham@niuniv.com 7339451206
23	Ms.Cathy Charles		Assistant Professor	Audiolog y and Speech Language swallowi ng patholog y	10 mon ths		cathycharles@niuiv.com 9916659927
24	Ms. Lydia Edwin	BASLP, M.Sc(SLP). ,	Assistant Professor	Voice, swallowi ng, child language disorder and adult language disorderd	10 mon ths		Lydiaedwin@niuiv.com 8746916305
25	Mrs. Sarojini	M.Sc.,	Assistant Professor	Antimicr obial peptides and Microbio logy	7 yrs 2 mon ths	7 yrs 2 mon ths	jiniakuttalam@gmail.com 7598360480
26	Dr. K. G. Ahila	M.Sc, M.Phil,	Assistant Professor	Biotech nology	2 yrs		ahilabiotech2013@gmail.com

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
		Ph.D.,			15 days		7598255986
27	Ms. Alvira Afsar Sulthana	M.Sc.,	Teaching Assistant	Forensic Dermatology, Forensic Ballistics	7 months		alviraafsar@niuniuni.edu 8754777040
28	Mrs. Karthika	M.Sc (N).,	Assistant Professor	Medical surgical nursing	7 months		karthikamohan@niuniuni.edu 9633563124

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1.	Dr.G.A rockia Selva Saroja		1 (Google Scholar)	2	5	5 (Google Scholar)	20 (Google Scholar)	235		1					5
2	Mrs. Arya Sankari							135							
3	Mrs. Janu J.P							180							
4	Mrs. G. Monic Leka							180							
5.	Dr.J.Raja Brindh a		8 (Google Scholar)	1	26		220	200							
6.	Mr. N. Nahas							135							
7	Dr.N.C. J.Packi a Leksh		9(Google Sc	1	36	74 (Google	291 (Goo	230		-	4	-	-	-	-

	mi		hol ar) 3 (Sc opus)			sch olar) 8 (Sc opus)	gle sc ho lar) 19 (S co pu s)								
8	Mr.Arun James							135							
9	Mrs.Bus hra Beevi R							135							
10	Dr.Mun nu Das							135							
11	Dr.Goku l Gopi							135							
12	Mr.Arun P.T							135							
13.	Dr.Jan aki M C		1 (Go ogl e Sc hol ar)	1	21	2	4	200							
14.	Ms.B.S .Deepa Priya		1 (Sc opus)					135							
15.	Ms. Ashlin Jeba							135							
16	Mrs. Subha T							180							
17	Mr Shefin Jose							135							
18	Ms. Nimya Joseph							135							
19	Ms. Alaka S. Prasad							135							
20	Dr. Shabi Ruskin							180							
21	Mrs. Pratheeb a							135							
22	Ms. Manisha (1 sem)							70							
23	Ms.Cath y							70							

	Charles (1 sem)														
24	Ms. Lydia Edwin (1 sem)						70								

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	-	-	-	-	-	-

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr.G.Arockia Selva Saroja	International conference on Intelligent computing smart communication and network technologies, RMK Engineering college, Thiruvallur district	Hexagonal image compression using different techniques	26 th and 27 th March 2021 (2 days)

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	-	-	-	-	-
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr.N.C.J.Packia Lekshmi	Resource Person	IIC Webinar series	Dig out your fear and be an entrepreneur	NICHE (online), 30 th July 2020
2	Dr.N.C.J.Packia Lekshmi	Resource Person	Webinar on Genetician - Future Technologist	Applications in Human Genetics and Molecular Biology	NICHE (online), 14 th August 2020
3	Dr.N.C.J.Packia Lekshmi	Resource Person	Webinar on Innovation	Innovation and Life Science	St.Mary's College, Tuticorin (online), 31 st March 2021
4	Dr.R.Shabi Ruskin	Resource Person	Webinar on Genetician - Future Technologist	Techniques in Genetics	NICHE (online), 14 th August 2020

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1.	Dr.M.Murugan	Webinar on Genetician -Future Technologist	National Level	1 day (14 th August 2020)
2.	Dr.Janaki M C	National Virtual Conference on Technological Advancement in Forensic Science	National Level	2 days (7 th and 8 th May 2021)
3.	Dr.N.C.J.Packia Lekshmi	International Virtual conference on Genetic Technology	International Level	1 day (28 th May 2021)
4.	Ms.Lydia	World Down Syndrome awareness Day – Webinar on Role of Speech Language Pathology in Down Syndrome	State level	1 day (20 th March 2021)

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	1 Dr. Janaki. M. C., Mr.S.Anil Kumar Dr. N. C. J. Packia Lekshmi. Dr. J. Raja Brindha	Influence of Pen on Handwriting – A Forensic analysis	Journal of Huazhong University of Science and Technology, ISSN 1671-4512	50 (4)	2021	1-10 (10 pages)
2.	Prathiba Varghese, Dr.G.Arockia Selva Saroja	Edge detection image operators in hexagonal pixel framework	International journal of advanced research in engineering and technology, ISSN: 2394-2975	2 (1)	2021	242-255 (14 pages)
3.	Prathiba Varghese, Dr.G.Arockia Selva Saroja	Glimpses of existing hexagonal grid image processing performance analysis	Journal of Maharaja Sayajirao University of Baroda, ISSN: 0025-0422	54 (2)	2020	42-47 (6 pages)

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	-	-	-	-	-

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	-	-	-	-

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

1	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2020-21		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme																									
	B.Sc., FS	60	8	7	15													4	7	18	25	-	-	90.6		
	B.Sc., HGMB	30	2	1	3													0	3	2	8	-	-	90		
	B.Sc., CT	60	22	7	29													4	15	9	16	-	-	100		
	B.Sc., PT	60	4	1	5													2	10	12	28	-	-	100		
	B.Sc., RD	30	18	7	25													2	2	5	14	-	-	94.73		
	BASLP	25	7	3	10													2	23	-	-	-	-	-		
	PG Courses M.Sc., HGMB		3	1	4													0	1	-	-	-	-	100		
	M.Phil. Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Ph.D Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Diploma Certificate Courses (if any)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	MOOC/NPTEL/UG C online courses offered	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Total		64	27	91																					

.12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.Sc., Human Genetics and Molecular Biology	Indian	Kerala	1	2	3
2	B.Sc., Forensic Science	Indian	Kerala	4	8	12
3	M.Sc., Human Genetics and Molecular Biology	Indian	Kerala	1	3	4
4	B.Sc., Perfusion Technology	Indian	Kerala	1	2	3
5	B.Sc., Cardiac Care Technology	Indian	Kerala	7	18	25
6	B.Sc., Renal Dialysis Technology	Indian	Kerala	7	17	24
7	BASLP	Indian	Kerala	2	5	7

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1		53		1	-	-	-	-	-	-	-	-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	-	-	-	-	-	-	-
2	B.C.M.(State)	-	-	-	-	-	-	-
3	M.B.C./D.N.C.(State)	-	-	-	-	-	-	-
4	SC/SCA/ST(National)	-	-	-	-	-	-	-
5	SC/SCA/ST(State)	-	-	-	-	-	-	-
6	First Generation Free Education	-	-	-	-	-	-	-
7	Loan Scholarship	-	-	-	-	-	-	-
8	Others (Specify the name of the scholarship)	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	B.Sc., Human Genetics and Molecular Biology	3	3	3		3	3	3		10	9	10	9	-	-	-	-
2	B.Sc., Forensic Science	15	15	15		12		12		42	37	43	43	-	-	-	-
3	B.Sc., Perfusion Technology	5	5	5		12	9			40	34	40	40	-	-	-	-
4	B.Sc., Cardiac Care Technology	29	29	29						25	24	25	25	-	-	-	-
5	B.Sc., Renal Dialysis Technology	25	25	25		4	4	4		19	14	19	19	-	-	-	-
6	BASLP	10	9	10		25	23	25						-	-	-	-
7	M.Sc., Human Genetics and Molecular Biology	4	4	4		1	1	1	1	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator: Mr. Shefin Jose			
Phone/Mobile Number : e-mail: 7907874192, Shefin@niuniv.com			
Number of Placement Programmes: Nil			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	-	-
2	Number of Placements obtained through Campus Interview	-	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	-	-

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	-	-	-

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Amritha Raj, B.Sc., Perfusion Technology	1. Indian Map by Compass 2. Grand master for making Indian Map by series of circles by compass	3. India Book of Records 4. Asia Book of Records

**20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	BOS	17.6.21 2.8.21	
2.	Programme Committee – BSc., HGMB	20.11.20 (Odd -First) 15.12.20 (Odd -Second) 22.1.21 (Odd -Third) 15.3.21 (Even -First) 19.4.21 (Even -Second) 24.5.21 (Even -Third)	
3.	Programme Committee – MSc., HGMB	20.11.20 (First -Second) 15.12.20 (Odd -Second) 22.1.21 (Odd -Third) 15.3.21 (Even -First) 19.4.21 (Even -Second) 24.5.21 (Even -Third)	
4.	Programme Committee – BSc., FS	6.11.20 (Odd -First) 12.12.20 (Odd -Second) 27.1.21 (Odd -Third) 19.3.21 (Even -First) 22.4.21 (Even -Second) 10.5.21 (Even -Third)	
5.	Programme Committee – BSc., PT	6.11.20 (Odd -First) 12.12.20 (Odd -Second) 27.1.21 (Odd -Third) 13.4.21 (Even -First) 16.5.21 (Even -Second) 14.6.21 (Even -Third)	
6.	Programme Committee – BSc., CT	25.1.21 (Odd -First) 1.3.21 (Odd -Second) 25.3.21 (Odd -Third) 24.5.21 (Even -First) 14.6.21 (Even -Second) 1.7.21 (Even -Third)	
7.	Programme Committee – BSc., RD	7.1.21 (Odd -First) 21.2.21 (Odd -Second) 15.3.21 (Odd -Third) 24.5.21 (Even -First) 14.6.21 (Even -Second) 1.7.21 (Even -Third)	
8.	Programme Committee – BASLP	7.1.21 (Odd -First) 21.2.21 (Odd -Second) 15.3.21 (Odd -Third) 24.5.21 (Even -First)	

		14.6.21 (Even -Second) 1.7.21 (Even -Third)	
9.	Course Committee –Applied Microbiology (S3 CT, PT)	9.11.20	
10.	Course Committee – Applied Pathology (S3 CT, PT)	9.11.20	
	Course Committee – Medical disorders (S4 CT, PT)	10.11.20	

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1.	Human Genetic s and Molecul ar Bioilogy	CO2 Incubator (3,80,000/- Rupees)	1	Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Importance of hearing Preservations	Students and public	03/03/2021	NICHE
2	World Voice day – Importance of Voice Preservation	Students	16/04/2021	NICHE

23. Department Library/Learning Resources/ Information and Language Lab:

Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	171	7	No. of titles available	21
2	Books added during the year 2018-19	20	8	No. of CDs and Digital Books available	Nil
3	No. of Indian Journals/Magazines	Nil	9	No. of Foreign Magazines/Journals	Nil
4	No. of data bases available	Nil	10	No. of Online Journals	Nil
5	Average No. of students visiting the Library per day	15	11	Average No. of books Issued per day	Nil
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	Nil	12	Availability of Language Lab	Nil
			13	NDL membership 1. Faculty members 2. Students	Nil

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1.	LCD	EPSON	9	5.	Desktop computer,	Lenovo Samsung	1 1
2.	Laptop computer		1	6.	Printer	Hp Laserjet	1
3.	Keyboard	Lenovo K 200 Logitech	1 1	7.	Monitor	Lenovo Samsung	1 1
4.	Mouse	Hp Logitech	1 1	8.	UPS	Numeric Digital 600 Ex	1

24.Collaborative Researches : Nil**25.Consultancies : Nil****26.No. of NET/SET/GATE/CSIR Qualified students: Nil****27. MOUs signed :1 (Anyware E-solutions, Hyderabad – for Forensic Science Division)****28. Innovations and Best Practices : Nil****29. Academic Flexibility :**

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
	-	-	-	-

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corona virus (COVID 19)	constituted
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calendar	Implemented
11	Guidelines on Examinations and SOP	Implemented
12	Formation of Grievance Committee	Constituted
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	Implemented
18	Awareness on Covid 19	Conducted
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: BIOMEDICAL ENGINEERING

1. Department Details :

Name of the School	Faculty of Technology
Name of the HOD, Phone No. and E-mail ID	Dr.M.Murugan
Year of Establishment	2009
Telephone Number	9486856110
Website / E mail	bmonline@niuniv.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	Dr.M.Murugan	Ph.D	Dean, Professor & HOD	Molecular genetics.	19	20	muruganbt@niuniv.com 9486856110
2.	Dr.S.Albert Jerome	Ph.D	Associate Professor	Biomedical signal processing and Instrumentation	19	11	albert_s@rediffmail.com , 9894214933
3.	Dr.I.Sowmy	Ph.D	Assistant Professor	Wireless Communication	15	11	sowmymni@yahoo.com 9994703309
4.	Ms.V.Femi	M.Tech.	Assistant Professor	BioMEMS, Medical Optics	11	-	femivm87@gmail.com 9789527971
5.	Mr.Navis Thinagar	M.E	Assistant Professor	Virtual Instrumentation	9	-	navis.thinagar@gmail.com 9962557742
6.	Ms.Lisha Daniel	M.E	Assistant Professor	Bio sensors and Medical Instrumentation	5	-	lishacmi@gmail.com 7639241642
7.	Ms.LekshmiV.Nair	M.E	Assistant Professor	Medical Imaging Equipments	3	1	lekshmilive@gmail.com 6282230575

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr.M.Murugan	6	6	8	65	186	217	190	190	-	-	-	-	-	4
2	Dr. S Albert Jerome	1	1	5	9	3	6	175/175	175 / 175	-	-	-	-	-	-

4. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. S Albert Jerome	Second International Conference on Advances in Physical Sciences and Materials (ICAPSM 2021) held at Coimbatore, Tamil Nadu, India	Optic Disc Segmentation and Law Feature Extraction for the Classification of Diabetic Retinopathy	12 -13, August 2021

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr. S Albert Jerome	Resource Person	Association of Computer Engineers of St. Xaviers Catholic College of Engineering	How to File a Patent	St. Xaviers Catholic College of Engineering, 24/7/2020
2	Dr. S Albert Jerome	Resource Person	Innovation Ambassador Talk Series 2020, by IIC , NICHE, Kumaracoil.	IIC Innovation Ambassador Talk Series 2020	30 th July 2020 Organized by IIC , NICHE, Kumaracoil.
3	Dr.M.Murugan	Resource Person	Association Meeting	IPR for Medical research and Development	Sarada Krishna Homoeopathic Medical College, Kulasekharam, Kanyakumari Dist., 26-11-20

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
	Dr. S Albert Jerome	Webinar on Energy Efficiency Towards Sustainable Development Goals	National	17-6-2020, 1.30 hours

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(p p)
1.	Neena Viswambharan, Murugan.M	Effect of wash and swim-up and density gradient sperm preparation on sperm DNA fragmentation	<i>Materials Today: Proceedings</i> 22147853	45, Part 2	2020	2002-2005
2.	J.Albino wins, M.Murugan	Screening of fungal isolates producing laccases from soil source and tree barkings	Int. Jour. Of Research and Analytical Reviews2348 – 1269	March, Vol 7, Issue 1	2020	163-169
3.	R.P. Rejisha, M. Murugan	Alkaline protease production by halophilic Bacillus sp. strain SP II-4 and characterization with special reference to contact lens cleansing.	<i>Materials Today: Proceedings</i> 22147853	45, Part 2	2020	1757-1760
4.	Meena Devi, V.N. Murugan, M.	Elemental concentration, phytochemical and antimicrobial activity of Scopariadulcis Linn	<i>Materials Today: Proceedings</i> 22147853	45 Part 2	2021	2063-2068
5.	S. Murali, V.N. Meena Devi, P.	Phytochemical screening, FTIR spectral analysis,	<i>Materials Today: Proceedings</i>	45 ,2	2021	2166-2170

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(p p)
	Parvathy, M . Murugan	antioxidant and antibacterial activity of leaf extract of Pimenta dioica Linn.	22147853			
6.	T.Murugan P.Deepika, A.Kowsalya, K.Sivasubramanian, R.P.Rejisha, M.Murugan , J.Albino Wins.	Production and characterization of extracellular pectinase from a newly isolated Bacillus species from fruit waste soil.	<i>Materials Today: Proceedings</i> 22147853	Volume 45, Part 2	2021	2087-2090
7.	Neena Viswambharan, Murugan.M,	Sperm Abnormalities: In the Male Partners of Infertile Couples from Kanyakumari District.	International Journal of Infertility & Fetal Medicine.2229-3833	Volume 11 Issue 1	2020	pp 16-19
8.	K. Vijila Rani, S.Albert Jerome , P. Josephin Shermila, L. K. Shoba & M. Eugene Prince	Automatic Segmentation of Lung Tumor from X-Ray Images Using Advance Novel Semantic Approach	IETE Journal of Research/3772063	DOI: 10.1080/03772063.2021.1959419	2021	1-12
9.	S. Albert Jerome ,K. Vijila Rani, K S Mithra, M. Eugene Prince	Watershed Segmentation with CAFIS and RCNN Classification for Pulmonary Nodule Detection	IETE Journal of Research, 3772063 (accepted)	https://doi.org/10.1080/03772063.2021.1978876	2021	-
10.	Sujithra.B.S , S. Albert Jerome	Eminent Identification And Segmentation Of Optic Disk In Digital Fundus Images Using Marr- Hildreth Operator	Turkish Journal of Computer and Mathematics Education/1309-4653	Vol.12 No.10	(2021)	6123 – 6128
11.	S Palanikumar, S Albert	Automatic detection of	Journal of Ambient	https://doi.org/10.1	2021	1-17

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(p p)
	Jerome, JP Jayan	solitary pulmonary nodules using superpixels segmentation based iterative clustering approach	Intelligence and Humanized Computing/18 685145	007/s126 52-021- 03148-2		
12.	TS Sheela Shiney, S Albert Jerome , Jemila Rose	Segmentation of cervix using minimum spanning superpixel tree detector	IOP Conference Series: Materials Science and Engineering/17 57-899X	983,1	2020	012014

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	J. Albino Wins and M.Murugan*	Screening And Evaluation Of Actinomycetes For The Production Of Antibiotics 'Growth And Environment In The Challenging Times: The Stratagies Ahead' Chief Editor Dr. K. R. Chavan Principal Dr. A. S. Kulkarni, ISBN- 978-1-71654-176-6	Lulu Publication 3101 Hillsborough St, Raleigh, NC 27607, United States.	2020

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme		3	4	7															22	13	28	23	25	21	100%
	PG Courses																									
	M.Phil. Programme																									
	Ph.D Programme																									
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UG C online courses offered																									
	Total																									

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	BE(Biomedical Engineering)	Indian	Kerala	2	1	3

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
	BME	07	06			41	25			51	28			44	40	44	44

17. Placement Details:

Name of the Placement co-ordinator: Dr. S Albert Jerome																	
Phone/Mobile Number :e-mail:8248347028/albertjerome@niuniv.com																	
Number of Placement Programmes:																	
S. No.	Particulars							Numbers of students placed									
								Male					Female				
1	Number of Students Placed							5					0				
2	Number of Placements obtained through Campus Interview							2					0				
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)							5/24					0/20				

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meetings Held :
BOS,Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	BOS	24-01-2020	
	BOS	29 th July 2021	

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: Ms.Lekshmi.V.Nair

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	622	7	No. of titles available	30
2	Books added during the year 2018-19	-	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/Magazines	5	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	5	11	Average No. of books Issued per day	5
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)		12	Availability of Language Lab	-
			13	NDL membership 1. Faculty members 2. Students	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24. Collaborative Researches :**25. Consultancies :****26. No. of NET/SET/GATE/CSIR Qualified students: 1****27. MOUs signed :****28. Innovations and Best Practices :****29. Academic Flexibility :**

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corona virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calendar	Implemented
11	Guidelines on Examinations and SOP	Constituted
12	Formation of Grievance Committee	
13	Circular on Flexible fee payments	YES
14	Conduct of Webinars and Video Conferences	YES
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	
17	MANODARPAN	
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING**1. Department Details :**

Name of the School	Faculty of Information and Computer Engineering
Name of the HOD, Phone No. and E-mail ID	Dr. C. P. Maheswaran 9894472239 maheswaran_ncp@yahoo.co.in
Year of Establishment	1989
Telephone Number	9486856118
Website / E mail	maheswaran@niuniv.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	Dr. A. Shajin Nargunam	M.C.A, M.E, Ph.D (NITC)	Dean, Prof. & Dir (Acad.)	Wireless networks, Cloud Computing & Network Security	26.3 Yrs	18.9Yrs	shajin@niuniv.com 9488347699
2.	Dr. Julia Punitha Malar Dhas	B.E, M.E, Ph.D	Prof. & Deputy Director (Research)	Wireless networks	21.9Y	15.9 Yrs	julaps113@yahoo.com 9442759814
3.	Dr. J. Amar Pratap Singh	B.E, M.E, Ph.D	Director (Admin), Professor	Mobile Computing, Wireless Communication, Computer networks	24.3 Yrs	18.9 Yrs	japsindia@yahoo.com 9486856111 9443391343
4.	Dr. R. Chitra	B.E, M.E, Ph.D	Associate Professor	Data mining & soft computing	18.9 Yrs	10.9 Yrs	chitrajegan5@gmail.com 9443841910
5.	Dr. R. Kalaiselvi	B.E., M.E., Ph.D	Associate Professor	Cloud Computing & Network Security	21.3 Yrs	14.9 Yrs	kalaiselvir32@gmail.com 9444859352

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
6.	Dr. S. Vinila Jinny	B.E., M.E., Ph.D	Associate Professor	Data Science	15.9 Yrs	11 Yrs	vinijini@gmail.com 9489283126
7.	Dr. C. P. Maheswaran	B.E., M.E., Ph.D.	Associate Professor & HOD	Wireless Networks, Mobile Computing	15.3 Yrs	10.9Yrs	maheswaran_ncp@yahoo.co.in 9894472239
8.	Dr. U. Kumaran	B.E, M.E, Ph.D	Deputy Director (CC), Associate Professor	Computer Networks	26.3Yrs	9yrs	kumaran@niuniv.com 9629289605
9.	Dr.R.Suji Pramila	B.E, M.Tech , Ph.D	Associate Professor	Wireless networks	16.7Yrs	11	sujisymon@gmail.com 9894980636
10.	Dr.J.E.Judith	B.E, M.E, Ph.D	Associate Professor	Big Data Analytics	17 Yrs	11	judithjegan@gmail.com 9443130175
11.	Dr.A.Anitha	B.E, M.E, Ph.D	Associate Professor	Wireless Networks	13.9 Yrs	11	anithadathi@gmail.com 9486473593
12.	Ms.G.Venifa Mini	B.E, M.E, Ph.D	Assistant Professor	Cloud Computing	15.3Yrs	11	venifamini@yahoo.co.in 9442634526
13.	Ms.P.O.Sinciya	B.Tech, M.E, Ph.D	Assistant Professor	Deep learning	13.7 Yrs	9.2yrs	sinciyapo@gmail.com

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
							7598221021
14.	Dr .P.Venkadesh	B.E, M.E, Ph.D	Assistant Professor	Network Security	18.4 Yrs	9yrs	pvenkadesh2002@gmail.com 9994433554
15.	Dr.A.M.Anusha Bamini	B.E, M.E, Ph.D	Assistant Professor	Cloud Computing, Image Processing	11.2 Yrs	8.9yrs	anushabamini@gmail.com 9677399710
16.	Ms.S. Safrin	B.E, M.E	Assistant Professor	Computer Networks, Cloud Computing	1.9 Yr	--	safrin310@gmail.com 8608807026

3. Faculty Members Achievements /Performance:

SL. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr. Shajin Nargunam.A	1	4	4	39	8	63			-	-				
2	Dr. Julia Punitha Malar Dhas	-	2	1	20	5	21			-	-	-	4	-	
3	Dr.Amar Pratap Singh J	-	2	1	11	2	11			-	-				
4	Dr. Chitra R	-	2	-	5	2	12			-	-	-	-		
5	Dr. Kalaiselvi		2							-	-	-	-		

SL. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
	R														
6	Dr. Vinila Jinny S	-	3	9	27	7	41			-	-	-	-	-	06
7	Dr. Maheswaran C P									-	-	-	-		06
8	Dr. Suji Pramila R	-	4	3	24	7	26			-	-	-	-		06
9	Dr. Judith J E	1	4	6	19	8	14			-	-	-	-		05
10	Dr. Anitha A	1	3	6	19	4	19			-	-	-	-	-	06
11	Dr. Sinciya P.O	-	-	1	1	-	-			-	-	-	-	-	-
12	Mrs. Venifa Mini G	-	3	6	18	3	15			-	-	-	-	-	-
13	Dr. Venkadesh P	1	1	1	10	4	9			-	-	-	-	-	04
14	Dr. Anusha Bamini A M	1	3	1	6	3	19			-	-	-	-	-	-
15	Ms. Safrin S									-	-	-	-	-	-

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	-	-	-	-	-	-

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. R. Chitra	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	A Review On An Enhanced Smart Grid By Integrating With Internet Of Things	06-05-2021
2	Dr. R. Chitra	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	A Study On Computer Science Perspective To Fingerprint Traits In Forensic Science	06-05-2021
3	Dr. R. Chitra	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	A Review On Pest And Disease Identification In Plants	06-05-2021
4	Dr. R. Chitra	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	A Review On Optimization Algorithms For Retinal Vessel Segmentation	06-05-2021
5	Dr. R. Chitra	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Trim Based Product Suggestions For E-commerce	06-05-2021
6	Dr. Julia Punitha Malar Dhas	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Survey On Malware Prediction And Detection	06-05-2021
7	Dr. P. Venkadesh	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	A Solution For Solving The Problem Of Spoofing Attack Using Crypto Biometric System	06-05-2021
8	Dr. P. Venkadesh	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Authentication Protocol For Mmtc Devices On 5g Networks	06-05-2021
9	Dr. P. Venkadesh	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Survey On Online Voting	06-05-2021
10	Dr. P. Venkadesh	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Password Less Authentication The Future Of Secure Digital Transactions	06-05-2021
11	Dr. P. Venkadesh	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Treatment Of Acute Lymphoblastic Leukemia Based On Prognostic Factor	06-05-2021
12	Dr. Anusha Bimini A M	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Survey On Transformation Of Realistic Images Into Cartoon Images And Videos Using Gan	06-05-2021
13	Dr. R. Kalaiselvi	National Conference on Computational & Scientific Era	Iot Based Air Pollution Monitoring System	06-05-2021

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
		(NCCSE'21) , CSE Department, NICHE		
14	Dr. R. Kalaiselvi	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Covid 19 Prediction And Forecasting Using Optimized Stochastic Gradient Lstm Network	06-05-2021
15	Dr. R. Kalaiselvi	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Study Of Different Feature Based Sentiment Analysis Methods	06-05-2021
16	Dr. J. E. Judith	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Software Defect Prediction With Classification Using Feature Selection Model	06-05-2021
17	Dr. J. E. Judith	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Cloud-based Data Security and Privacy for Healthcare Institutions	06-05-2021
18	Dr. G. Venifa Mini	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Sharing Of Photos In Social Network Using Privacy Preserving Trust Model	06-05-2021
19	Dr. R. Suji Pramila	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Retrieving Videos By Sentiment Analysis	06-05-2021
20	Dr. R. Suji Pramila	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Cyber Security Based Software Design And Development	06-05-2021
21	Dr. R. Suji Pramila	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Survey On Contactless Lock With Multi Authentication Using Iot And Cloud	06-05-2021
22	Dr. R. Suji Pramila	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Vehicular Ad-hoc Networks (Vanets): An Overview	06-05-2021
23	Prof. Safrin.S	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Continuous Sign Language Gesture Recognition System Using Deep Learning Techniques	06-05-2021
24	Prof. Safrin.S	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Smart Atm Pin Recovery And Secured Atm Transactions Based On Fingerprint Identification	06-05-2021
25	Dr.U.Kumaran	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Data Pre-processing Techniques In Bigdata Mining: An Overview	06-05-2021

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
26.	Dr. R Kalaiselvi	Intl. Conference on Innovations in Elect.&Commn. Systems (ICIECS-2021) organized by ECE Dept., R.M.K College of Engg. and Technology ,puduvoyal	Contemporary Disputeand Divaricate on feature based Sentiment Analysis	6 th & 7 th May 2021.
27	Dr. Maheswaran C. P.	National Conference on Computational & Scientific Era (NCCSE'21) , CSE Department, NICHE	Face Recognition Attendance System	06-05-2021

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	-	-	-	-	-

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr. S.Vinila Jinny	Resource Person	Webinar	Introduction to DataScience	Loyola Institute of Techn.& Science, 10/07/2020
2.	Dr. S. Vinila Jinny	Resource Person	Webinar	Machine Learning and its Applications	Nanjil Catholic College of Arts and Science, 16/04/2021

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1.	Dr.C.P.Maheswaran	Two Day Virtual National Level Workshop on “Python Programming”	State Level	07/01/2021 & 09/01/2021
2.	Dr.C.P.Maheswaran	Five day Workshop on “Practical Deep Learning”	State Level	01/02/2021 to 05/02/2021
3.	Dr.C.P.Maheswaran	National Conference on “Computational and Scientific Era” (NCCSE’21)	National Level	06/05/2021
4.	Dr.C.P.Maheswaran	Virtual Webinar on Machine Learning with MATLAB	State Level	11/06/2021
5.	Dr.C.P.Maheswaran	Virtual power seminar on “Engaged in Digital learning”	State Level	18/06/2021

8. Publication of Research Papers at the State/National/International Levels:

S. No	Author(s)	Title of the paper	Journal with ISSN	Vol. No. Iss. No.	Year of Publication	Page (pp)
1.	A. Anisha, C. Renit, A. Anitha	Comparative Study on Classification Algorithms for Disease Prediction	Intl. Journal of Scientific Research in Science & Techn.		2021	
2.	Ajni K Ajai, A. Anitha	A Survey on Artificial Intelligence in Cancer Medical and Nonmedical Datasets	International Journal of Engg. Trends and Technology		2021	
3.	A.M.Anusha Bamini	Hybrid Cache Management in Ad Hoc Networks	Wireless Personal Communication, Springer	118	2021	
4.	A.M.Anusha Bamini	High energy efficient lifetime management system and trust management framework for manet using self-configurable cluster mechanism	Peer-to-Peer Networking and Applications, Springer	14	2021	
5.	M. B. Shyjith, C. P.Maheswaran, V K Reshma	Optimized and dynamic selection of cluster head using energy efficient routing protocol in WSN	Wireless Personal Communications, Springer	116	2021	577-599
6.	M B Shyjith, C. P. Maheswaran, V K Reshma	Secure-Aware Multipath Routing Using Atom Search Rider Optimization Algorithm in Wireless Sensor Networks	International Journal of Mobile Computing and Multimedia Communications (IJMCMC)	12(2)	2021	
7.	R Preetha, S Vinila Jinny	Breast-cancer prediction strategies and experimental processing using DEFS algorithm	Materials Today Proceedings	-	2021	-
8.	R. L. Priya, S. Vinila Jinny	Comparison Analysis of Prediction Model for Respiratory Diseases	Multimedia and Sensory Input for Augmented, Mixed, and Virtual Reality	-	2021	86-98
9.	R. L. Priya, S. Vinila Jinny, Yash Vijay Mate	Early prediction model for coronary heart disease using genetic algorithms, hyper-parameter optimization	Health and Technology	11	2021	63-73

S. No	Author(s)	Title of the paper	Journal with ISSN	Vol. No. Iss. No.	Year of Publication	Page (pp)
		and machine learning techniques				
10.	J. E. Anusha Linda Kostka, S. Vinila Jinny	Data Security and Privacy Protection in Cloud Computing: A Review	Intelligence in Big Data Techn.- Beyond the Hype. Adv. in Intelligent Sys.& Computing		2021	
11.	Shibu K R, R. Suji Pramila	Load Based Key Generation for MANETs: A Comparative Study with DSR and AODV	Wireless Personal Communication		2021	
12.	M.Thebiga, R.Suji Pramila	Adaptable and Energy Efcacious Routing using Modifed Emperor Penguin Colony Optimization Multi?faceted Metaheuristics Algorithm for MANETS	Wireless Personal Communication		2021	
13.	Mitha Rachel Jose; J. Amar Pratap Singh	Security challenges for routing protocols in mobile adhoc networks: a systematic review and open research issues	International Journal of Electronic Security and Digital Forensics		2021	
14.	Anup J Johnson, Shajin Nargunam A	QoS Improvement in MANET using Self Organized Balanced Optimization	Turkish Journal of Computer and Mathematics Education	11	2021	186-195
15.	Anju Susan George, A. Shajin Nargunam	Improved multi-party verification protocol with reduced computational overhead in cloud storage system	Concurrency and Computation Practice and Experience		2021	
16.	R Suji Pramila, A Shajin Nargunam, VA Tibbie Pon Symon	Secure Automated In-home Patient Monitoring	Highlights on Medicine and Medical Research	12	2021	117-135
17.	Anju Susan George, A Shajin Nargunam	Remote Cloud Data Auditing Protocols: A Comprehensive Analysis and Comparative Study	5th International Conference on Intelligent Computing and Control Systems		2021	

S. No.	Author(s)	Title of the paper	Journal with ISSN	Vol. No. Iss. No.	Year of Publication	Page (pp)
18.	Darpan Majumder, S Mohan Kumar, DV Ashoka, A Shajin Nargunam	Resource Allocation Techniques in Edge/Fog Computing	Intl. Conf. on Adv. in Electrical, Comp., Commn. and Sustainable Technologies (ICAECT)		2021	
19.	Jency W.G.,J.E.Judith	A CZEKANOWSKI'S Quantitative Indexed Fuzzy Brown Boost Data Clustering for Wind Power Prediction in Smart Grid	Journal of Theoretical and Applied Information Technology	vol.99, no.12	2021	3022-3038

9. Details of patents applied/registered:

Sl. No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1.	R.Kalai Selvi	Secure Data Outsourcing in Cloud environment and a method thereof	11/05/2020	202041019790 A	70033169
2.	R. Suji Pramila A. Shajin Nargunam V. A. Tibbie Pon Symon	Secure protocol design for patient monitoring	11-09-2020	202041039369	filed
3.	R. Suji Pramila V. A. Tibbie Pon Symon	Demand Side Mgmt for Hybrid Renewable Energy Systems - Performance Comparison	11-09-2020	-	filed
4.	A.M.Anusha Bamini R.Chitra	Enhanced Air Quality Monitoring System using IoT	11-09-2020	202041039370	filed
5.	S.Vinila Jinny P.O.Sinciya J.E.Judith	IOT Cattle Monitoring Based on Hybrid Conditional Random Field	11-09-2020	202041039358	filed
6.	C.P.Maheswaran A.Anitha G.Venifa Mini	Smart Automation System for securing Home using novel Microcontroller	11-09-2020	202041039376	filed
7.	R.Chitra A.M.Anusha Bamini C.P.Maheswaran	Development of CAD System for Heart Attack Prediction in Indians from Cloud Health Care Data Using Intelligent Algorithm	11-09-2020	202041039267	filed
8.	A.Anitha C.P.Maheswaran	IoT Based Embedded Lock Monitoring System Using Arduino Nano Controller	11-09-2020	202041039384	filed

9.	P.Venkadesh M.P. Haripriya S.V.Divya	Subtractive Gradient Boost Clustering for Mobile Node Authentication in IoT aware 5G Networks	11-09-2020	20204103926 8/ 20204103931 1	filed
10.	C.P.Maheswaran Prof. M. B. Shyjith	An Improved Secure-aware multipath routing protocol in Wireless Sensor Network using Atom Search Rider Optimization Algorithm.	11-09-2020	20204103926 5	filed
11.	S.Safrin	Dynamic Greedy Faceted Product Search Engine	11-09-2020	20204103929 8	filed
12.	M.Thebiga R. Suji Pramila	Tracing Down and Thwarting of Blackhole Attacks in Manets Using a Secured Algorithm	11-09-2020	20204103928 0	Filed
13.	S.Muthu Lakshmi R.Chitra	Highly Reliable user Modeling for Recommender System	11-09-2020	20204103937 3	Filed
14.	S.Jebin Bose Julia Punitha Malar Dhas	An Enhanced Security Mechanism for Secure Communication in Internet of Things	11-09-2020	20204103928 6	Filed
15.	Akmal Rafi P.Venkadesh C.P.Maheswaran R.Chitra	IoT Based Home Automation	11-09-2020	20204103938 6	Filed

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	-	-	-	2021

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sanctioned Strength	Enrolment during 2020-21		Total	Community														Existing Students, Strength								Pass % of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
1	UG Programme	30	03	18	21	4	1	13	-	2	-	-	2							23	-	22	04	11	03	98		
2	PG Courses	25	06	07	13																					100		
3	M.Phil. Programme																											
4	Ph.D Programme		09	02	11																							
5	Diploma Certificate Courses (if any)																											
6	MOOC/NPTEL/UGC online courses offered																											
	Total		18	27	45																							

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1.	II Year B.E-CSE	INDIAN	Tamil Nadu	13	-	23
			Kerala	09	-	
			Bihar	01	-	
2.	III Year B.E-CSE	INDIAN	Tamil Nadu	15	04	26
			Kerala	07	-	
3.	IV Year B.E-CSE	INDIAN	Tamil Nadu	10	03	25
			Kerala	12	-	
4	II Year M.E-CSE	INDIAN	Tamil Nadu	-	02	04
			Kerala	02	-	
5	I Year M.E-CSE	INDIAN				03

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1	B.E	25	M.E	4	-	-	-	-	-	-	-	-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	-	-	-	-	-

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							NIL
2	B.C.M.(State)							NIL
3	M.B.C./D.N.C.(State)							NIL
4	SC/SCA/ST(National)							NIL
5	SC/SCA/ST(State)							NIL
6	First Generation Free Education							NIL
7	Loan Scholarship							NIL
8	Others (Specify the name of the scholarship)							NIL
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App	Pass	App	Pass	App	Pass	App	Pass	App	Pass	App	Pass	App	Pass	App	Pass
1.	M.E	14	11	-	-	4	3	4	4	-	-	-	-	-	-	-	-
2.	B.E	23	20	-	-	23	15	-	-	27	11	-	-	25	17	25	23

17. Placement Details:

Name of the Placement co-ordinator: Dr.P.Venkadesh			
Phone/Mobile Number : E-mail:9994433554, pvenkadesh2002@gmail.com			
Number of Placement Programmes: NIL			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	NIL	NIL
2	Number of Placements obtained through Campus Interview	NIL	NIL
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	NIL	NIL

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	-	-	-

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Alan P G, Melkin Sheferin Das	Best Paper Award	NCCSE'21, NICHE

20. Department Meetings Held :

BOS, Programme Committee, Course Committee etc.

S.No	Name	Date
1	External BOS Meeting	19-6-2020
2	External BOS Meeting	27-7-2021
3.	Course Committee	11-12-2020 & 05/05/2021
4.	Programme Committee	11-12-2020 & 07/05/2021

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
-	-	-	-	-

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	-	-	-	-

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1239	7	No. of titles available	80
2	Books added during the year 2020 - 21	23	8	No. of CDs and Digital Books available	70
3	No. of Indian Journals/Magazines	7	9	No. of Foreign Magazines/Journals	NIL
4	No. of data bases available	0	10	No. of Online Journals	NIL
5	Average No. of students visiting the Library per day	3	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	NIL	12	Availability of Language Lab	NIL
			13	NDL membership 1. Faculty members 2. Students	NIL

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
-	-	-	-	-	-	-	-

24.Collaborative Researches : NIL**25.Consultancies : NIL****26.No. of NET/SET/GATE/CSIR Qualified students: NIL****27. MOUs signed :**

S. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration
1.	Sree Buddha College of Engineering	Noorul Islam Centre for Higher Education	2020	5 years

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1.	II Year B.E-CSE	INDIAN	Tamil Nadu	13	-	23
			Kerala	09	-	
			Bihar	01	-	
2.	III Year B.E-CSE	INDIAN	Tamil Nadu	15	04	26
			Kerala	07	-	
3.	IV Year B.E-CSE	INDIAN	Tamil Nadu	10	03	25
			Kerala	12	-	
4	II Year M.E-CSE	INDIAN	Tamil Nadu	-	02	04
			Kerala	02	-	
5	I Year M.E-CSE	INDIAN				03

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1	B.E	25	M.E	4	-	-	-	-	-	-	-	-

28. Innovations and Best Practices : NIL**29. Academic Flexibility : NIL**

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
-	-	-	-	-

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	-
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Constituted
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidlinies on Examinations and SOP	Implemented
12	Formation of Grivance Committee	Implemented
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Implemented
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	Constituted
18	Awareness on Covid 19	Conducted
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: Computer Applications

1. Department Details :

Name of the School	Faculty of Information and Computer Engineering.	
Name of the HOD, Phone No. and E-mail ID	Dr.J.R.Jeba , Mobile : 9442653616 Email : jeba@niuniv.com	
Year of Establishment	1994	
Telephone Number	-	
Website / E mail	Email : caonline@niuniv.com	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualifi-cation	Designat ion	Specialis ation	Experien ce in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	Dr.M.K.JeyaKumar	MCA., M. Tech., Ph.D	Professor	Networking	27.10	16	jeyakumarmk@yahoo.com
2.	Dr.J.R.Jeba	M.C.A., M.Phil, Ph.D	Associate Professor & HOD	Data Mining	23.9	12	jeba@niuniv.com
3.	Dr.M.Victor Jose	M.E, Ph.D	Associate Professor	Cloud Computing	25	12	mvictorjose@yahoo.com, 9487112584
4.	Dr.S.Beulah	M.C.A., M.Phil, Ph.D	Associate Professor	Data Storage	22.7	8	beulah@niuniv.com, 9487712346
5.	Dr.A.C.Subhajini	M.Sc., M.Phil, Ph.D	Associate professor	Neural Networks	15.9	13	acsuhajini@yahoo.com
6.	Ms. Sheela Kumari C.R	MCA.,M.Phil	Assistant Professor	Software engineering	17	-	Sheelakumari@niuniv.com 8365496179
7.	Ms. Merlin Johnsy. M	MCA, M.Phil	Assistant Professor	Networks	16	-	merlinjohnsy@niuniv.com, 9487249456
8.	Dr. Alan Gowri Phivin V	MCA., MPhil, PhD	Assistant Professor	Data Mining	16	8	Alangowriphivin@niuniv.com 9442130260

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph. D.
1.	Dr.M.K.JeyaKumar	03				49									
2.	Dr.J.R.Jeba	02	02	5	32	13	13		98.25	1	14		2	15	10
3.	Dr.M.Victor Jose	02	02		15		20		162		-				
4.	Dr.S.Beulah	01	01	-		02									
5.	Dr.A.C.Subhajini	03				35									

4.. Research Schemes/Projects undertaken :NIL

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/ Seminar/Webinar/ Workshop and Venue	Title	Period
1.	J. R. Jeba	Webinar by Noorul Islam Centre For Higher Education	Gender Bias and stereo-typing, Gender Equality and Women's Right	04.07.2020
2.		Certificate Course by ICT Academy , SkyCampus Digital Knowledge Series	Digital Teaching Techniques	29.06.2020 to 04.07.2020
3.		Webinar by Noorul Islam Centre For Higher Education	Understanding the national Education Policy 2020	20.08.2020
4.		Webinar by Noorul Islam Centre For Higher Education	Social Innovation with Technology	09.04.2021
5.	M.Victor Jose	International Conference on Intelligent Computing & Networking (IC-ICN 2021) MULTICON-W 2021, Thakur College of Engineering & Technology (TCET), Kandivali East, Mumbai	Analysis of Data Mining Techniques and Classification Algorithms Using Weka Tool	26th & 27th February 2021
6.		ASMA Education leadership conclave	ASMA Education leadership conclave Higher and Tech leadership summit	16-08-2020
7.		SRM UNIVERSITY	Art of Science in the Time of Virus and Beyond: The Brave New World	5/12/2020
8.		Workshop, Computer Science and Engineering,NICHE.	Virtual National Level workshop on Practical Deep learning	1-1-2021to 5-1-2021
9.		SRM UNIVERSITY	Design and Development of Homogeneous/Heterogeneous Catalysts for Sustainable Chemical Industry	17-04-2021
10.		Webinar by Noorul Islam Centre For Higher Education	Social Innovation with Technology	09.04.2021
11.		International Webinar by Dept of Computer Applications, Holy Cross College Of Management And	"Offline to Online- Survive in the Virtual World"	7/7/2020
12.		Online workshop on		20/07/2020

		"Data Science Using R" organised by St. Xavier's Catholic college of Engineering, Chunkankadai		to 25/07/2020
13.		Webinar	"Understanding the national education policy 2020"	20/08/2020
14.	S. Beulah	International Webinar by Dept of Computer Applications, Holy Cross College Of Management And	"Offline to Online- Survive in the Virtual World"	7/7/2020
15.		Online workshop organised by St. Xavier's Catholic college of Engineering, Chunkankadai	"Data Science Using R"	20/07/2020 to 25/07/2020
16.		Webinar	"Understanding the national education policy 2020"	20/08/2020
17.		Webinar by Noorul Islam Centre For Higher Education	Social Innovation with Technology	09.04.2021
18.	M. MERLIN JOHNSY	Webinar	National Education policy:2020 and Higher Education in India	24-05-2021 to 29-05-2021
19.		Webinar	Theory of Automata and Discrete Structures	31-05-2021 to 04-06-2021
20.		Webinar	IT Tools and Applications	25-05-2021 to 27-05-2021
21.		Webinar	Micro Services on Azure	7/6/2021
22.		Workshop	Computer Science fundamentals	10-06-'21, 11-06-'21 & 14-06-'21
23.	V.Alan Gowri Phivin	Workshop	A.I Exploring Tools for Machine learning	12-06-2021 to 13-06-2021

b) Foreign Faculty/Expert visit to the Department:NIL

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :NIL

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1					

7. Details of Seminars, Webinar, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(p p)
1.	S.Iswarya , M.K. Jeyakumar	Efficient Secure Data Control Access Using Multiple Mobile Device Of Cloud Computing Server Based Healthcare Application	Dogo Rangsang Research Journal, ISSN: 2347-7180	Vol: 10, Issue: 8	Aug-20	
2.	Joseph George, M.K.Jeyakumar	A comparative analysis of data integration and business intelligence tools with an emphasis on healthcare data	SSRG International Journal of Engineering Trends and Technology, ISSN: 2231-5381.	Vol: 68, Issue: 9	Sep-20	
3.	Joseph George, M.K. Jeyakumar	A dimensional data model for healthcare revenue cycle analytics and business intelligence	International Journal on Emerging Technologies, ISSN No. (Print): 0975-8364	Vol: 3, Issue: 5	Sep-20	
4.	George, J., Jeyakumar, M.K.	An agile dimensional data mart architecture for clinical laboratory towards the development of an evolving enterprise clinical data warehouse	International Journal of Advanced Trends in Computer Science and Engineering, ISSN: 2278-3091	Vol: 9, Issue: 4	Nov-20	
5.	Rajkumar, K., Jeyakumar, M.K.	Energy Efficient Clustering for Certificate Revocation Scheme in Mobile Ad-Hoc Network	Wireless Personal Communications, 2021 (Scopus), ISSN. 09296212, 1572834X	Vol: 118	Feb-21	
6.	Rajkumar,	Optimized path selection using	International Journal of	Vol: 69, Issue: 4	Feb-21	

	K., Jeyakumar, M.K.	GWO routing to enhance the lifetime of sensor node in WSN	Engineering Trends and Technology, 2231-5381 (E) / 2349-0918			
7.	JincyMol Joseph Dr.J.R.Jeba	Semantic Similarity Approach For Paraphrase identification And Information Summarization	International Journal of Advanced Science and Technology, ISSN : 2005-4238	Vol. 29, No. 11s, (2020),	November, 2020	pp. 2976-2981
8.	Praveen K Wilson J.R.Jeba	An Efficient Methodology For Sentence Reordering Using Themesets	International Journal of Advanced Research in Engineering and Technology (IJARET) ISSN Print: 0976-6480 and ISSN Online: 0976-6499	Volume 11, Issue 6, June 2020	June, 2020	pp. 705-713
9.	Josemila Baby J.R.Jeba	A hybrid approach for intrusion detection using integrated K-Means based ANN with PSO optimization	Advances in Science, Technology and Engineering Systems, ISSN: 24156 698	Volume 5, Issue 3, June 2020,	June 2020	Pages 317-323
10.	B.Abisha J.R.Jeba	Secure Dominance Protocol Over Encrypted Data In Cloud	Dogo Rangsang Research Journal, ISSN : 2347-7180	Vol-10 Issue-07 No. 31 July 2020	July 2020	
11.	Josemila Baby J.R.Jeba	Mining of Network Data for Intrusion Detection Using Multi-Dimensional Hierarchical K Means Clustering Employed with Hybrid ABC-DT	Indian Journal of Computer Science and Engineering, e-ISSN: 0976-5166 p-ISSN : 2231-3850	Vol. 11 No. 4	August 2020	
12.	Josemila Baby J.R.Jeba	Novel Trust Based Ranking for Intrusion detection and Security Using	International Journal of Emerging Trends in	Volume : 8 No : 8	August 2020	

		Deep Learning	Engineering Research, ISSN : 2347 - 3983			
13.	Praveen K Wilson J.R.Jeba	Combinational Semantic Approach for Efficient Data Extraction from Multiple Documents	International Journal of Advanced Trends in Computer Science and Engineering, ISSN 2278-3091	Volume :9, No : 4	July-August 2020	
14.	Josemila Baby J.R.Jeba	Performance Analysis of optimal Cluster Selection and intrusion detection by hierarchical K-means Clustering with hybrid ABC-DT	International Journal of pervasive Computing and Communications, ISSN: 1742-7371	Vol. 17 No. 1, pp. 49-63	6 October 2020	
15.	Manju Chariyamparambil Chandran , Marianthiran, Victor Jose	Optimised hybrid classifiers for automatic HEP-2 cell classification	IET Image Processing, ISSN 1751-9659	Volume 14, Issue 16	2021 February	4316 - 4328
16.	MS.JENSY V, Dr.M. VICTOR JOSE	Improved Merkle Hash Tree-Based One-Time Signature Scheme for Capability-Enhanced Security Enforcing Architecture for Named Data Networking	Wireless Personal Communications, 1277-020-07585	1007/s11277-020-07585-8,	25-06-2020	1-18
17.	Ajina Mohamed Ameer, M.Victor Jose	Biometric Authentication Based Medical data Management in Cloud Systems	journal, Elementary Education Online	Vol 20, Issue 5,	May 2021.	1766-1773

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Streng th	Enrolment during 2020-21		Total	Community														Existing Students, Strength								Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
	UG Programme	-																										
	PG Courses		12	7	19	1		6	10	--	--	--	2	--	--	-	--	-	-	--	1	3	8	-	-			
	M.Phil. Programme	--	--	--	--	-	-	-	--	--	--	--	--	--	--	-	--	-	-	--	--	--	--	--	--	--		
	Ph.D Programme		5	5	10	3	5	2		--	--	--	--	--	--	-	--	-	-									
	Diploma Certificate Courses (if any)	-																										
	MOOC/NPTEL/UG C online courses offered	-																										
	Total																											

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
	MCA	Indian	Kerala	2	1	3
			Tamil Nadu	8	20	28

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
	-		MCA	9	-	-	--	-				

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	-	-	-	-	-

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
	MCA	24	19	-	-	1	1	-	-	11	10	10	10	-	-	-	-

Placement Details:

Name of the Placement co-ordinator:																	
Phone/Mobile Number :e-mail:																	
Number of Placement Programmes:																	
S. No.	Particulars							Numbers of students placed									
								Male					Female				
1	Number of Students Placed																
2	Number of Placements obtained through Campus Interview																
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)																

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students: Nil

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meetings Held :
BOS,Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	BOS Course Committee Programme Committee etc.	01.06.2021 13.03.2021	

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Equipment	Specifi- ations	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer	Pentium Core2-Duo	82	7	Network		-
		Pentium-D	3				
		Pentium III	1				
		Linux Server	1				
2	Laptops		1	8	Fax		
3	Printer		6	9	Smart Class		1
4	LCD Projector		1	10	Software/ Database		
5	Net Connection Wi-Fi: Wired: Yes			11	Others		-
6	Scanner		-				

22. Extension activities carried out : Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: Dr.S. Beulah

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1147	7	No. of titles available	
2	Books added during the year 2020-21	30	8	No. of CDs and Digital Books available	-
3	No. of Indian	-	9	No. of Foreign	-

	Journals/Magazines			Magazines/Journals	
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	Nil (Due to Covid)	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)		12	Availability of Language Lab	-
			13	NDL membership 1. Faculty members 2. Students	-

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24.Collaborative Researches :Nil

25.Consultancies :Ni;

26.No. of NET/SET/GATE/CSIR Qualified students:Nil

27. MOUs signed :Nil

28. Innovations and Best Practices :

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff ()	
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	
3.3	Gender Ratio	Total number of female students / Total number of male students ()	
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	

3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	

29. Academic Flexibility :

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
	NIL			

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Constituted
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Constituted
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidlinies on Examinations and SOP	Implemented
12	Formation of Grivance Committee	Constituted
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	
18	Awareness on Covid 19	Conducted
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: Civil Engineering**1. Department Details :**

Name of the School	Faculty of Civil Engineering
Name of the HOD, Phone No. and E-mail ID	Dr. N. Nalanth, 9443449904, drnnh1976@gmail.com
Year of Establishment	2006
Telephone Number	
Website / E mail	civniu@gmail.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr. V. Narayanan Nair	M.Sc, Ph.D	Professor & Dean	Geology	51	34	vnngeologist@gmail.com & 8590937338
2	Dr.N. Nalanth	M.E, Ph.D	Professor	Structural Engineering	18	7	drnnh1976@gmail.com & 9443449904
3	Mr. D. Allwin	M E	Asst. Professor	Hydrology and Water Resources Engineering	12.7	-	win8039@gmail.com & 9489505032
4	Mrs. N. Alex Dorwina	M E	Asst. Professor	Hydrology and Water Resources Engineering	11Y 6 M	-	alexdorwina@gmail.com & 9442271710
5	Mr. R. Muthu Uthayan	M E	Asst. Professor	Construction Management	9 Y	-	muthuuthayan@gmail.com & 9894981986
6	Mrs. B. Soniya	M E	Asst. Professor	Soil Mechanics and Foundation Engineering	7Y 8M	-	soniyaaji7008@gmail.com & 9443506612
7	Mr. S. Mathan Kumar	M E	Asst. Professor	Environmental	8Y 8 M	-	mathankumar.lingam@gmail.com &

				Engineering			7598289166
8	Mrs. R. Roselin	M. Tech	Asst. Professor	Structural Engineering	11.4 Y	-	roselinkalist12@gmail.com & 8903706756
9	Mr. S. Sunilkumar	M.E	Asst. Professor	Structural Engineering	8.4 Y	-	sskme1986@gmail.com & 9003353631
10	Mr. N. Ajin	M.E	Asst. Professor	Construction Management	4 Y	-	ajin.nithin@gmail.com & 9488567591

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr. V. Narayanan Nair														
2	Dr.N. Nalanth	01	02	02		01	21	-	0.72	-	-	-	-	-	08
3	Mr. D. Allwin	-	-	01	-	-	-	-	0.7	-	-	-	-	-	-
4	Mrs. N. Alex Dorwina	-	-	-	-	-	-	-	0.68	-	-	-	-	-	-
5	Mr. R. Muthu Uthayan	-	-	01	-	-	-	-	0.67	-	-	-	-	-	-
6	Mrs. B. Soniya	-	-	-	-	-	-	-	0.67	-	-	-	-	-	-
7	Mr. S. Mathan Kumar	-	-	01	-	-	-	-	0.66	-	-	-	-	-	-
8	Mrs. R. Roselin	-	-	-	-	-	-	-	0.67	-	-	-	-	-	-
9	Mr. S. Sunilkumar	-	-	-	-	-	-	-	0.67	-	-	-	-	-	-
10	Mr. N. Ajin	-	-	-	-	-	-	-	0.66	-	-	-	-	-	-

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Nil	Nil	Nil	Nil	Nil	Nil
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Nil	Nil	Nil	Nil

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Nil	Nil	Nil	Nil	Nil

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Nil	Nil	Nil	Nil	Nil

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1	Civil Engg. Staff	Quality Control Systems in Construction	National Level	06/07/2020
2	Civil Engg. Staff	Basic of Waste Water Treatment	Webinar	24/07/2020
3	Civil Engg. Staff	Statistics for Researchers		17/07/2021

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
	D. Allwin, S. Mathan Kumar	A Framework For Storm Water Quantity And Quality Modeling in an Urban Environment	2320-2882	9 / 4	2021	3276-3278

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1	Nil	Nil	Nil	Nil	Nil

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Nil	Nil	Nil	Nil

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch	
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV			
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
	UG Programme	30		1				1												3	3		28	5	42	7	99
	PG Courses	36	2	31		8	2	1	4	5	5									5	1						100
	M.Phil. Programme																										
	Ph.DProgram me	8																									
	Diploma Certificate Courses (if any)																										
	MOOC/NPTEL/UGC online courses offered																										
	Total																										

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	BE CIVIL	INDIAN	KERALA	72	16	88
2	ME STRUCTURAL	INDIAN	KERALA	16	4	20

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	Nil				

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	BE Civil	1	1			34	26			43	10			48	31	48	48
2	ME Structural	37	36			6	4	6	6								

17. Placement Details:

Name of the Placement co-ordinator:																
Phone/Mobile Number :e-mail:																
Number of Placement Programmes:																
S. No.	Particulars								Numbers of students placed							

		Male	Female
1	Number of Students Placed	nil	nil
2	Number of Placements obtained through Campus Interview	nil	nil
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	0	0

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	Nil	Nil	Nil

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Nil		

20. Department Meetings Held : BOS, Programme Committee, Course Committee etc.

S.No	Name	Date	
1.	Board Of Studies	26/06/2020&16/06/2021	
2.	Programme Committee	20.09.2020	20.09.2020
3.	Course Committee	27.08.2020	27.08.2020

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
	Structural Lab	Loading Frame	1	Research

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	nil	-	-	-
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1050	7	No. of titles available	850
2	Books added during the year 2018-19	20	8	No. of CDs and Digital Books available	50
3	No. of Indian	115	9	No. of Foreign	Nil

	Journals/Magazines			Magazines/Journals	
4	No. of data bases available	Nil	10	No. of Online Journals	24
5	Average No. of students visiting the Library per day	6	11	Average No. of books Issued per day	4
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	Nil	12	Availability of Language Lab	Nil
			13	NDL membership 3. Faculty members 4. Students	Nil

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1.	Computer		4	6	Scanner		1
2.	Laptops		1	7	Network		2
3.	Printer		2	9	Smart Class		1
4.	LCD Projector		1				

24.CollaborativeResearches :Nil

25.Consultancies :Pipe Testing

26.No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed :Nil

28. Innovations and Best Practices :Nil

29. Academic Flexibility :

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
	nil			

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented

4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Implemented
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading AarogyaSethu	Implemented
10	Revised Academic Calender	Constituted
11	Guidlinies on Examinations and SOP	Implemented
12	Formation of Grivance Committee	Implemented
13	Circular on Flexible fee payments	Constituted
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	not Implemented
18	Awareness on Covid 19	Conducted
19	Provision of Quarantine Facilities / Support	Constituted

NAME OF THE DEPARTMENT: Chemistry**1. Department Details :**

Name of the School	Science & Humanities
Name of the HOD, Phone No. and E-mail ID	Dr. M. Sankaranarayana Pillai Mob:9442077787
Year of Establishment	1989
Telephone Number	-
Website / E mail	msankars@yahoo.com
Special Status : (if any)	-

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr.M.Sankaranarayana Pillai	PhD	Professor	Inorganic Chemistry	50	32	9442077787 msankars@yahoo.com
2	Dr.J.Joseph	PhD	Associate Professor	Bioinorganic chemistry	12	12	9489486295 josephniche@gmail.com
3	Dr.T.M.Sharmila	PhD	Asst. Professor	Bioinorganic chemistry	13	9	9486089576 caalwinrs@gmail.com
4	Mrs. E. H. Edinsha Gladis	M.Phil	Teaching Assistant	Organic Chemistry	5	3	9751252665 edinsha@gmail.com
5	Mrs. D. Arthi	M.Phil	Teaching Assistant	Organic Chemistry	4	3	98943-10284 arthiabs27@gmail.com
6	Ms.J.Michael Ahitha Jose	M.Phil	Teaching Assistant	Organic Chemistry	3	3	75984-03323 michaelahitha@gmail.com
7	Dr.M.Antilin Princela	M.Phil	Teaching Assistant	Organic Chemistry	3	3	79048-42297 princela106@gmail.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr.M.Sankaranarayana Pillai	6		0		6	120			0		0	0	0	0
2	Dr.J.Joseph	16		6		42	436			0		2	6	0	2
3	Dr.T.M.Sharmila	2		2		6	12			1		0	2	0	0
4	Mrs. E. H. Edinsha	3		3		6	10			0		0	0	0	0

	Gladis														
5	Mrs. D. Arthi	1		2		4	6			0		0	0	0	0
6	Ms.J.Michael Ahitha Jose	1		2		4	4			0		0	0	0	0
7	Dr.M.Antilin Princela	1		1		1	2			0		0	0	0	0

4. Research Schemes/Projects undertaken :Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1				

b) Foreign Faculty/Expert visit to the Department: Nil

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr. J. Joseph	External Experts	Doctoral committee meeting	Research monitoring meeting	M S University & 14.06.2021
2	Dr. J. Joseph	External Experts	Doctoral committee meeting	Research monitoring meeting	M S University & 12.11.2020

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1	Dr.J. Joseph	One Day Webinar on Job opportunities for Chemistry Graduates	State	24.06.2021

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	EHE Gladis, K Nagashri, J Joseph	Transition metal chelates with multifunctional 1, 10-phenanthroline derivative towards production of hydrogen as alternative fuel from sea water: Design, synthesis, characterization and catalytic studies	International Journal of Hydrogen Energy	46 (9)	2021	6573-6587
2	N Vijayan, R Princess, SJ Raja, J Joseph	Synthesis, structural elucidation, pharmacological and molecular docking studies of terpolymer transition metal complexes	Journal of Molecular Structure	1227	2021	129424
3	MA Princela, JMA Jose, EHE Gladis, D Arthi, J Joseph	Regional assessment of groundwater quality for drinking purpose	Materials Today: Proceedings	45	2021	2916-2920
4	Sharow Geeth Vincent, J Joseph	Evaluation of antioxidant activity and antimalarial activity of flavone based tetradentate ligand and its metal complexes	Materials Today: Proceedings	45	2021	2159-2165
5	RR Krishna, JMA Jose, EHE Gladis, K Nagashri, J Joseph	Synthesis, characterization and biochemical studies of redox active metal complexes with flavone derivative	Materials Today: Proceedings	45	2021	2046-2052
6	EHE Gladis, K Nagashri, JMA Jose, D Arthi, J Joseph	Enhancing the therapeutic efficacy of copper-based multifunctional agents by incorporating 1, 10-Phenanthroline derivative as chelator	Materials Today: Proceedings	45	2021	1887-1892
7	JMA Jose, PMS Shinu, EHE Gladis, D Arthi, J Joseph	Preliminary assessment for physicochemical quality parameters of groundwater in tirunelveli district	Materials Today: Proceedings	45	2021	1843-1848

8	B Ebenezer, K Nagashri, A Suman, J Joseph	Novel synthesised chrysin derivatives offer noteworthy insight into the structural scaffolds required for improved anti- proliferative activity	Materials Today: Proceedings	45	2021	1039-1043
9	RRK Jyothi, SG Vincent, J Joseph	Synthesis, structural elucidation, catalytic, pharmacological and α -glucosidase inhibitory studies of metal complexes with flavone derivatives as emerging biomaterials	Materials Today: Proceedings	45	2021	1067-1074
10	EHE Gladis, K Nagashri, J Joseph	Highly conjugative heterocyclic nitrogen base derivative and its metal complexes towards optoelectronic materials: Chemical architecture, synthesis, structural elucidation	Materials Today: Proceedings	45	2021	906-911
11	B Vijila, EHE Gladis, JMA Jose, TM Sharmila, J Joseph	Removal of fluoride with rice husk derived adsorbent from agro waste materials	Materials Today: Proceedings	45	2021	2125-2129

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1	Joseph, J.; Vijila, B.; Edinsha Gladis, E. H.; Sharmila, T. M.; Ahitha Jose, J. Michael; Antilin Princela, M.; ARTHI, D.	METHOD FOR REMOVAL OF FLUORIDE FROM WATER THROUGH ADSORPTION	19-06- 2021	2021103484	Filed (Australian Patent)

10. Publications of Books/Monographs:Nil

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PG Courses	16	13	3	16	3	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1 1	-	-	100
	M.Phil. Programme	2	2	0	2	-	-	-	2	-	-	-	--	-	-	-	--	-	-	-	-	-	-	-	-	100
	Ph.D Programme	4	2	0	2	0	1	0	1	-	-	--	-	-	-	-	-	-	-	-	-	--	-	-	-	
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UG C online courses offered																									
	Total	22	17	3	20	3	5	9	3	-	-	-	-	--	-	-	-	-	-	-	-		--	-	--	

12. Enrolment of Students from Overseas and other States: Nil

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1						

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male	NA	Male	4	Male	-			Male	-		-
2	Female	NA	Female	14	Female	1	-	1	Female	1	1	2

14. Fellowships Awarded (National/International) Faculty/Students:

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	DST-Inspire	SRF	-	1	1

15.Scholarships Awarded:Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	M.Sc Chem	15	15	15	15	16	16	18	18	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator: Dr.J.Joseph												
Phone/Mobile Number :e-mail:josephchem1984@gmail.com; 9489486295												
Number of Placement Programmes:												
S. No.	Particulars								Numbers of students placed			
									Male		Female	
1	Number of Students Placed								3		2	
2	Number of Placements obtained through Campus Interview								0		0	
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)								3/18		2/18	

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	Dr.J.Joseph	Outstanding achievements	WHO
2	Dr.J.Joseph	Outstanding achievements	Elsevier Journals

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meetings Held :
BOS,Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	BOS	28.06.2021	Syllabus Revision for M.Sc an B.E/B.Tech (Engineering Chemistry) paper

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1	Res. lab	UV-Visble Spectrophotometer	1	Research
2		FT IR	1	Research
3		Electrochemical analyzer	1	Research
4		Gel documentation system	1	Research

22. Extension activities carried out : Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	500	7	No. of titles available	200
2	Books added during the year 2018-19	75	8	No. of CDs and Digital Books available	10
3	No. of Indian Journals/Magazines	50	9	No. of Foreign Magazines/Journals	Nil
4	No. of data bases available	Nil	10	No. of Online Journals	
5	Average No. of students visiting the Library per day	40	11	Average No. of books Issued per day	10
6	Availability of Internet		12	Availability of Language Lab	No

	(Specify the Capacity) (e.g. – 8 Mbps etc.)		13	NDL membership 1. Faculty members 2. Students	
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24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer		1	7	Network		
2	Laptops		0	8	Fax		
3	Printer		0	9	Smart Class		-
4	LCD Projector		0	10	Software /Data base		-
5	Net Connection Wi-Fi: Wired:		1	11	Others		-
6	Scanner		0				

24.Collaborative Researches :2

25.Consultancies :-

26.No. of NET/SET/GATE/CSIR Qualified students:-

27. MOUs signed :-

28. Innovations and Best Practices :

29. Academic Flexibility : Nil

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
21	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	
4	Permission to work from Home	
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Implemented
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented

11	Guidelines on Examinations and SOP	Implemented
12	Formation of Grievance Committee	
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Implemented
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: Electronics and Communication Engineering

1. Department Details :

Name of the School	Faculty of Electrical & Electronics Engineering
Name of the HOD, Phone No. and E-mail ID	T. Gopalakrishnan
Year of Establishment	1989
Telephone Number	9443508904
Website / E mail	gopalakrishnant@niuniv.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1	Dr.R.S.Vinod kumar	M.E, M.S., PhD	PROFESSOR & DEAN	Image Processing	28.10	15	rsvinodkumar@niuniv.com 9489823500
2	Dr.N.Santhi	B.E, M.E.,Ph.D.	ASSOCIATE PROFESSOR	Image Processing	31	15	santhi@niuniv.com 9486085019
3	Dr. S. Amala Shanthi	B.E, M.E.,Ph.D	ASSOCIATE PROFESSOR	Image Processing	26.3	15	amalashanthi@niuniv.com 7598446730
4	Dr.M.Mary Synthuja Jain Preetha	B.E. M.E.,Ph.D	ASSOCIATE PROFESSOR	Image Processing	14.6	10	marysynthujajainpreetha@niuniv.com 9940877271
5	Dr.K.S.Vijula Grace	B.E. M.E, Ph.D	ASSOCIATE PROFESSOR	VLSI & Embedded System	23.6	13	vijulagrace@niuniv.com 9789328789
6	Dr.T.Gopalakrishnan	B.E, M.E, Ph.D	ASSISTANT PROFESSOR and HEAD	Image Processing	18.6	9	gopalakrishnan@niuniv.com 9443508904
7	Prof.K ChandraKala	B.E, M.E, (Ph.D)	ASSISTANT PROFESSOR	Wireless Communication	12..6	5	chandrakala@niuniv.com 9600336295
8	Prof D Shahi	B.E. M.E, (Ph.D)	ASSISTANT PROFESSOR	Image Processing	14.6	4	shahi@niuniv.com 9487720557
9	Dr.K.P.Rajesh	B.E. M.E,Ph.D	ASSISTANT PROFESSOR	Wireless Communication	10.7	9	rajesh@niuniv.com 9994188808

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph. D.
1	Dr.R.S.Vinod kumar		4	11	14	9	49	257	975			2	2		7
2	Dr.N.Santhi		5	1	32	4	89	201	1066			2	2		7

3	Dr.Amala Shanthi							180	836						
4	Dr.M.Mary Synthuja Jain Preetha	1	2	2	14	7	59	187	874			1	1		3
5	Dr.K.S.Vijula Grace	1	4	2	21	10	51	185	810			1	1		5
6	Prof.T.Gopala krishnan		1	3	5	2	3	150	728				0		0
7	Prof.K ChandraKala		0	3	3	0	0	90	330				0		0
8	Prof D Shahi		2	2	8	0	10	160	786				0		0
9	Prof.K. P.Rajesh		1	3	5	2	3	132	622				0		0

4.. Research Schemes/Projects undertaken :Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr.R.S.VinodKumar	International Conference on Emerging Trends in Signals, Systems and Information (ICETSSI 2021)	Diagnosis Of Covid 19 Based On Deep Learning	2021
2	Dr.R.S.VinodKumar	International Conference on Emerging Trends in Signals, Systems and Information (ICETSSI 2021)	Analysis Of Various Interpolation Techniques	2021
3	Dr. K S Vijula Grace	International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)	Design an Area Efficient Kogge Stone Adder using Pass Transistor Logic	2021

b) Foreign Faculty/Expert visit to the Department:Nil

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr R S Vinodkumar	External Expert	DC meeting		St Xaviers Catholic College of Engg, Kanyakumari District
2	Dr R S Vinodkumar	External Expert	DC meeting		Kamaraj .college of Engg, Virudhunagar
3	Dr.N.Santhi	External experts	DC meeting		1.Ponjesly College of Engineering 2. University College of Engineering, Nagercoil
4	Dr.S.Amala Shanthi	External experts	DC meeting		1. St.Xavier's Catholic College of Engineering 2. . University College of Engineering, Nagercoil
5	Dr.K.S.Vijula Grace	External experts	DC meeting		St.Xavier's Catholic College of Engineering

7. Details of Seminars, Conferences and Refresher courses Organised : Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	N Santhi	Localization and segmentation of metal cracks using deep learning	Journal of Ambient Intelligence and Humanized Computing 18685137	12,	2021	4205–4213
2	S.Amala Shanthi	Artificial neural network with modified rider optimization for design and control of PV	International Journal of Modeling, Simulation, and Scientific Computing	12	2021	1-25

		integrated quasi Z source cascaded multilevel inverter system	1793-9623			
3	Vinod Kumar. R. S	Reversible steganography for RGB images using image interpolation	Journal of Advanced Research in Dynamical and Control Systems1943023X	Volume 12 Issue 3	2020	41-49
4	Vinod Kumar. R. S	Performance evaluation of various active contour models for liver boundary detection in abdomen computed tomography images	Journal of critical reviews 2210-142X	7(2):	2020	-
5	K S Vijula grace	Power Efficient Multiply Accumulate Architectures using Modified Parallel Prefix Adders for Low Power Applications	International Journal of Computing and Digital Systems 17407524	9(4)	2020	-

9. Details of patents applied/registered:Nil

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	M.Mary Synthuja Jain Preetha	Emerging Technologies for Sustainability, Taylor & Francis Book Chapter 9780429353628	Waveform Length Based Reliability Analysis for the Detection of Murmur from PCG Records	2020
2	M.Mary Synthuja Jain Preetha	Advances in Communication Systems and Networks, Lecture Notes in Electrical Engineering, Springer Book chapter 978-981-15-3992-3	Effectiveness of Wilson Amplitude for the Detection of Murmur from the PCG Records	2020

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2020-21		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme	30	0	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	7	0	7	4	2	5	100
	PG Courses	18	2	7	9	2	-	2	2	2	-	-	-	1	-	-	-	-	-	0	3					100
	M.Phil. Programme																									
	Ph.D Programme	32	4	4	8	-	1	3	2	1	1	-	-	-	-	-	-	-	-	14	6					
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UG C online courses offered																									
	Total	80	6	12	18	2	1	6	4	3	1			1						21	9	7	4	2	5	

12. Enrolment of Students from Overseas and other States:Nil

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1		07		03						-	11	11

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :Nil

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15.Scholarships Awarded:Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
	BE	1	1			7	5			11	5			7	7		

17. Placement Details:

Name of the Placement co-ordinator: Rajesh.K.P			
Phone/Mobile Number :e-mail:9994188808/ kprajesh.eagles@gmail.com			
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	2	-
2	Number of Placements obtained through Campus Interview	nil	nil
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	28%	-

18. Outstanding achievements by the Faculty Members:Nil

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:Nil

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meetings Held :
BOS,Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	Course Committee Programme Committee etc.	25/01/2021, 10/02/2021,08/04/2021	
	BoS meeting	2/8/2021	

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :Nil

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1706	7	No. of titles available	1266
2	Books added during the year 2020-21	28	8	No. of CDs and Digital Books available	62
3	No. of Indian Journals/Magazines	59	9	No. of Foreign Magazines/Journals	28
4	No. of data bases available		10	No. of Online Journals	
5	Average No. of students visiting the Library per day	3	11	Average No. of books Issued per day	2
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	100 Mbps	12	Availability of Language Lab	13
			13	NDL membership 5. Faculty members 6. Students	8 18

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	LCD projector	SONY	1				
2	LCD projector	EPSON	1				

24.Collaborative Researches :Nil**25.Consultancies :Nil****26.No. of NET/SET/GATE/CSIR Qualified students:Nil****27. MOUs signed :Nil****28. Innovations and Best Practices : Nil****29. Academic Flexibility :Nil**

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Constituted
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidelines on Examinations and SOP	Constituted
12	Formation of Grievance Committee	Constituted
13	Circular on Flexible fee payments	Constituted
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	-
18	Awareness on Covid 19	Conducted
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: Electrical and Electronics Engineering

1. Department Details :

Name of the School	Faculty of Electrical and Electronics Engineering
Name of the HOD, Phone No. and E-mail ID	Dr.K.Muthuvel, 94868 56130, 94441 46936 er.muthuvel@gmail.com
Year of Establishment	1993
Telephone Number	9486856130
Website / E mail	www.niueee.in

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1	Dr.P.Sujatha Therese	B.E(EEE), M.E, PhD	Professor	Process Control & Instrumentation	19Y 6M		9443165780 psujathatherese@yahoo.in
2	Dr.M.MarySyntia Regis Prabha	B.E (EEE) M.Tech, Ph.D	Associate Professor	Power Electronics and Drives	19Y		9940877270 regisprabha@gmail.com
3	Dr.M.P.Flower Queen	B.E (EEE) M.E, Ph.D	Associate Professor	Applied Electronics	20Y 3M		9486680636 flower_aurther@rediffmail.com
4	Dr.J.Arul Linsely	B.E(ECE), M.E, Ph.D	Associate Professor	Applied Electronics	22Y 6 M		63854 41081 arullinsely@gmail.com
5	Dr.S.Anitha Janet Mary	B.E (EEE) M.E, Ph.D	Associate Professor	Process Control & Instrumentation	17Y 8 M		9524633365 anitharuphus@gmail.com
6	Dr.Tibbie Pon Symon.V.A	B.Tech (EEE) Ph.D M.E	Assistant Professor	Power Electronics	15Y 6M		9894383003 tibbiesymon@gmail.com
7	Ms.Bindhu V.S	B.E (EIE) M.E	Assistant Professor	Power Electronics	11Y 10M		9629209153 bindhuvs2003@gmail.com
8	Dr.K.Muthuvel	B.E (EEE) M.E, Ph.D	Assistant Professor and HOD I/C	Electronics and Control	18Y 3M		9444146936, 9486856130 er.muthuvel@gmail.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr.P.Sujatha Therese		1	3	15	3	4								5
2	Dr.M.MarySynthi a Regis Prabha	1	3	2	19	4	26					1			6
3	Dr.M.P.Flower Queen		2	5	13	6	19								6
4	Dr.J.Arul Linsely		2	-	10	3	16								6
5	Dr.S.Anitha Janet Mary		2		7		5								-
6	Dr.Tibbie Pon Symon. V.A	-	1	-	8	2	6								3
7	Ms.Bindhu V.S			-	4										-
8	Dr.K.Muthuvel		3	2	17	9	28								4

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Nil					

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Nil			

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Nil				

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Nil				

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1	EEE	Webinar on Machine learning and its applications	National Level	03/08/2020
2	EEE	FDP on Recent advances in Power Electronics	National level	23/09/2020 to 29/09/2020
3	EEE	Virtuyal power seminar on Design Thinking	National level	19/12/2020

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	P.Sujatha Therese	Triple Novelty block detection and classification Approach for lung Tumour Analysis	International Journal of Imaging Systems and Technology	31(2)	Oct 2020	1034-1049
2.	KS Gayathri Devi, P Sujatha Therese	Optimised PI Controller for 7level inverter to aid grid interactive RES controller	Journal of Central South University ISSN 2227-5223	28	2021	153-167
3.	Gayathri Devi ,Sujatha Therese	Design of optimised PI controller for 7 level inverter a new control strategy	Environmental Science and pollution Research ISSN 1614-7499	Online published	2021	
4	PharesonGini , M.P. Flower Queen	Epileptic Seizure Detection In EEG Using Improved Entropy	International Journal of Biomedical Engineering and Technology 1752-6426	33(4)	2020	325-345
5	Dr. M.P. Flower Queen, Dr.S.Perumal Sankar, Dr. P. Babu	Deep Learning Based Human Emotion Recognition From Speech	Bioscience Biotechnology Research Communicatio ns	13(6)	2020	119-124

	Aurtherson, P.Jeyakumar,	Signal	2321-4007			
6	.BabuAurthers on, R.Suthan, Dr.K.Hari Ram, M.P.Flower Queen, S.Perumal Sankar	Dynamic Mechanical Analysis Of Acid Treated Surface Modified Natural Fillers Reinforced Epoxy Based Polymer Composite	Bioscience Biotechnology Research Communicatio ns 2321-4007	13(6)	2020	259-268
7	Melekoodappat tu, J.G., Subbian, P.S., Queen, M.P.F	Detection and classification of breast cancer from digital mammograms using hybrid extreme learning machine classifier	International Journal of Imaging Systems and Technology 1098-1098	31(2)	2020	909-920
8	A. Phareson Gini, M.P. Flower Queen	An Efficient Epileptic Seizure Detection Using Entropy Features With Optimal Neural Network	European Journal of Molecular & Clinical Medicine	7(3)	2021	5622-5638
9	A. Phareson Gini, M.P. Flower Queen , Suresh Ponnann	Neural network optimized feature enhanced efficient Seizure detection system	Turkish Journal of Physiotherapy and Rehabilitatio 2651-446X	32(3)	2020	
10	Nair A.T.,Muthuvel K.	Research contributions with algorithmic comparison on the diagnosis of diabetic retinopathy	International Journal of image graphics 0219-4678 / 1793-	20(4)	2020	
11	Nair A.T.,Muthuvel K.	Automated screening of diabetic retinopathy with optimized deep convolutional neural network:Enhance d Moth Flame model	Journal of Mechanics in medicine and biology	2(1)	2021	

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1	Dr.TIBBIE PON SYMON	SECURE PROTOCOL DESIGN FOR PATIENT MONITERING	11-09-2020	202041039369	30296
2	Dr.TIBBIE PON SYMON	DEMAND SIDE MANAGEMENT FOR HYBRIND RENEWABLE ENERGY SYSTEMS-PERFORMANCE COMPRISON	11-9-2020	22041039277	79875
3	Dr.P.Sujatha Therese	Analytically tuned self tuning fuzzy PI controller for drilling process	11-9-2020	20241039274	

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Nil			

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2020-21		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme	30	-	3	3			3												11		14		7		100
	PG Courses	18	4	-	4				3		1									-		-		-		
	M.Phil. Programme																									
	Ph.DProgram me																									
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UGC online courses offered																									
	Total																									

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	ME (AE)	Indian	Kerala		1	1

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	Nil				

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
	EEE	3	3			11	7			14	5			7	7	7	7

17. Placement Details:

Name of the Placement co-ordinator: Dr.Tibbie Pon Symon.V.A			
Phone/Mobile Number : 9894383003			
E Mail : tibbiesymon@gmail.com			
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	-	-
2	Number of Placements obtained through Campus Interview	-	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	0	-

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	Nil		

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Nil		

**20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.**

S.No	Name	Date	
1	BOS	30.07.2021	Nineteenth
2.	Course Committee Programme Committee etc.		

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
		Nil		

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			
2				

23. Department Library/Learning Resources/ Information and Language Lab:
Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1149	7	No. of titles available	1149
2	Books added during the year 2019-20	28	8	No. of CDs and Digital Books available	15
3	No. of Indian Journals/Magazines	15	9	No. of Foreign Magazines/Journals	Nil
4	No. of data bases available	4	10	No. of Online Journals	Nil
5	Average No. of students visiting the Library per day	2	11	Average No. of books Issued per day	1
6	Availability of Internet(Specify the Capacity) (e.g. – 8 Mbps etc.,)	1 GBPS	12	Availability of Language Lab	Nil
			13	NDL membership 1. Faculty members 2. Students	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
	Nil						

24.Collaborative Researches :Providing technical support for 130 KW solar plant at NIMS Hospital

25.Consultancies :Continuous maintenance of 10KW solar electric plant at marine boys hostel of NIU Campus

26.No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices : Nil

29. Academic Flexibility : Nil

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
	Nil			

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	9486856130
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Implemented
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading AarogyaSethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidelines on Examinations and SOP	Implemented
12	Formation of Grievance Committee	Implemented
13	Circular on Flexible fee payments	
14	Conduct of Webinars and Video Conferences	Implemented
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	Implemented
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: Electronics and Instrumentation Engineering

1. Department Details :

Name of the School	Faculty of Electrical & Electronics Engineering
Name of the HOD, Phone No. and E-mail ID	Dr. S. S. Kumar, 9789546665, kumarss@niuniv.com
Year of Establishment	1997
Telephone Number	
Website / E mail	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr. S. S. Kumar	M.E., PhD	Associate Professor	Applied Electronics	17.1	11	kumarss@live.com 9789546665
2	Dr. V.Amsaveni	M.E., PhD	Associate Professor	Applied Electronics	15.3	12	amsa.kumar@ymail.com, 9790653295
3	Dr. D. Menaka	M.E., PhD	Associate Professor	Applied Electronics	17	11	menakaberita@gmail.com 9787002920
4	Dr. R. Manju	M.E., PhD	Associate Professor	Applied Electronics	16.6	7	manjuria.7@gmail.com , 9994104539
5	Dr. R. Sarath	M.E., PhD	Assistant Professor	Applied Electronics	14.9	6	sarathraveendran@gmail.com 9443791259
6	Dr. S. Felix Stephen	M.E., PhD	Assistant Professor	Control & Instrumentation	13.3	5	felixstephensfs@ymail.com, 9486117668
7	Ms. S. BinuSathiya	M.E., (PhD)	Assistant Professor	Applied Electronics	13.0	5	katrina.sati@gmail.com, 9384734365

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph. D.
1	Dr. S. S. Kumar	10	10	6	75	85	443	492				3	6		13
2	Dr. V. Amsaveni	2	2	1	8	1	17	230				-	-		-
3	Dr. D. Menaka	2	2	2	15	1	9	250				-	-		6
4	Dr. R. Manju	1	1	4	20	0	4	355				-	-		1
5	Dr. R. Sarath	1	1	1	8	1	7	210				-	-		4

6	Dr. S. Felix Stephen	2	2	-	9	3	5	230				-	-		-
7	Ms. S. BinuSathiya	1	1	1	7	3	23	390				-	-		

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	S. S. Kumar	National Web Conference on Challenges and Innovation in Engineering & Technology 2021, Ramco Institute of Technology Rajapalayam-626 117, Virudhunagar, Tamil Nadu	Improved Whale Optimized Level Set based Suspicious lesion Segmentation for Cervical Cancer Diagnosis	19 - 20 March 2021
2	V. Amsaveni	National conference on computational and scientific Era(NCCSE'21), Dept. CSE, NICHE	Classification of Brain cancer using Neutral Network	6-5-2021
3	D. Menaka	Second international conference on advancements in research and development (ICARD), RSP conference Hub, Coimbatore, IRJASH Journal Partner	Computer aided detection of Nodule from computed Tomography Images of Lung	27-28 Feb 2021
		National conference on computational and scientific Era(NCCSE'21), Dept. CSE, NICHE	A Review on convolutional neural network for detection of covid-19	6-5-2021
4	R. Manju	Proceedings of the 5 th International conference on intelligent computing and control systems(ICICCS), Vaigai College of Engineering, Madurai, India,	Bagging and fusion of multiple feature extraction models for early diagnosis of Alzheimer's Disease	May 6-8, 2021
		Proceedings of the 3 rd International conference on Signal processing and communication (ICSPC), Karunya Institute of Technology and Sciences, Coimbatore, India,	A novel modelling technique for early recognition and classification of Alzheimer's Disease	May 13-14, 2021
5	S. BinuSathiya	National conference on computational and scientific Era(NCCSE'21), Dept. CSE, NICHE	Radiation and Radiation Detectors : An Overview	6-5-2021

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	D. Menaka	Technical Session Speaker	AICTE ATAL Academy, Five days Online FDP on AI	Intervention of human in Deep learning, AI and Automation	Sree Buddha College of Engineering, Pattoor, Kerala, 18 th to 22 nd Jan 2021

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1	S. S. Kumar	FDP on Industry 4.0 Technologies	National level	5 days, 24 th to 28 th August 2020

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	S. S.Kumar	A novel classification approach to detect the presence of foetal cardiac anomaly from foetal electrocardiogram	International Journal of Biomedical Engineering and Technology 1752-6418	Vol.33 No.1,	2020	pp.28 – 53
2	S. S.Kumar	A tumour segmentation approach from FLAIR MRI brain images using SVM and genetic algorithm	International Journal of Biomedical Engineering and Technology, Inderscience Publishers 1752-6418	Vol. 33 No. 4,	2020	pp. 386-397
3	S. S.Kumar	Low power pulsed flip-flop with clock gating and conditional pulse enhancement	International Journal of Automation and Control Inderscience Publishers 17407516	Vol 15, no. 2	2021	pp. 259-274
4	S. S.Kumar	Detection of Fetal Cardiac Anomaly from Composite	Biomedical Signal Processing and Control Elsevier Ltd	Vol. 65	2021	

		Abdominal Electrocardiogram	17468094			
5	S. S.Kumar	Recent advancement in cervical cancer diagnosis for automated screening: a detailed review	Journal of Ambient Intelligence and Humanized Computing Springer ISSN : 1868-5137		Feb,2021	
6	R. Manju	A Novel Integrated point detection based feature extraction technique for early diagnosis of Alzheimer's Disease from MRI Brain Images	International Journal of Current Research and Review ISSN: 2231-2196	Vol 12, no. 15,	2020	pp.42-47,
7	R. Manju	A novel combined point detection and feature extraction method for early detection of Alzheimer's Disease	Journal of Critical Reviews ISSN: 2394-5125	Vol 7, no. 13,	2020	pp.268-274
8	R. Sarath	Multi-class brain cancer classification using deep Learning convolutional neural network	Palarch's Journal of Archaeology of Egypt/Egyptology, ISSN 1567-214x	17(7)	2020	5341-5360

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
-	-	-	-	-	-

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	-	-	-	-

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme			34	34	3		3	1											8		12		10		100%
	PG Courses			9	9	3		6																		
	M.Phil. Programme				-																					
	Ph.DProgram me				-																					
	Diploma Certificate Courses (if any)				-																					
	MOOC/NPTEL/UG C online courses offered				-																					
	Total				43	6		3	7											8		12		10		

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	U.G(EIE)	Indian	Kerala	13		13
2	P.G(CIE)	Indian	Kerala	6		6

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1.		10									1	1

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1.	B. E.	2	2			8	7			11	4			10	10	10	10
2.	M. E.	7	7			-	-	-	-	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator: S. Felix Stephen												
Phone/Mobile Number :e-mail: 9486117668 / felixstephensfs@gmail.com												
Number of Placement Programmes: -												
S. No.	Particulars					Numbers of students placed						
						Male			Female			
1	Number of Students Placed					2			-			
2	Number of Placements obtained through Campus Interview					-			-			
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)								-			

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	M. Fayez	Participated in national Webinar on "A Beginners guide to AI and its impacts in our daily lives"	Dept of CSE, Dr.M.G.R Educational and Research institute
2	S.U.HariShanker	Participated in Virtual seminar on "Engaged in Digital Learning"	Dept. of CSE, NICHE, ICT Academy
3	HariShanker S.U	Achievement of Step into Robotic Process Automation	GUVI in association with Ui Path Academic Alliance
4	Mohammed Ijaz	Build a Face Recognition Application using Python as part of AI-For-India Event	GUVI

**20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	Course Committee Programme Committee etc.	17/10/20,24/11/20,19/01/2 26/03/21,16/04/21,25/05/2	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	ECO CLUB	Eco-Friendly things to do during Self-Quarantine and Pandemic Lockdown	Jan'21 to June '21	Online

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1170	7	No. of titles available	30
2	Books added during the year 2018-19	20	8	No. of CDs and Digital Books available	2
3	No. of Indian Journals/Magazines	6	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	52 (IEEE)/ Knimbus e-library available
5	Average No. of students visiting the Library per day	10	11	Average No. of books Issued per day	5
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	8 Mbps	12	Availability of Language Lab	-
			13	NDL membership 1. Faculty members 2. Students	-

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer	Pentium Dual Core	12	5	Network	LAN	6
		Pentium D	9	6	Fax		-
		Lenovo I3	3	7	Smart class		1
2	Laptops	Pentium Dual Core	1	8	Software/ Data base		LabVIEW
3	Printer		-				
4	LCD Projector	Hp	1				
		EPSON	1				

24.Collaborative Researches :**25.Consultancies :****26.No. of NET/SET/GATE/CSIR Qualified students:****27. MOUs signed :****28. Innovations and Best Practices :**

29. Academic Flexibility :

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
1	A brief introduction of micro-sensors	NPTEL	3	-
2	Automation in manufacturing	NPTEL	2	-
3	Arduino	NPTEL	2	-

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Constituted.
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Second year students- 9486117668 Third year students- 9443791259 Final year students-9994104539 STAFFS-9789546665
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	
7	Stay Safe – switching off the lights	implemented
8	Nomination of Counselors for Mental Health and well being	implemented
9	Downloading AarogyaSethu	implemented
10	Revised Academic Calendar	Circulated to the students through the mentors
11	Guidelines on Examinations and SOP	Circulated to the students through the mentors
12	Formation of Grievance Committee	constituted
13	Circular on Flexible fee payments	Circulated to the students through the mentors
14	Conduct of Webinars and Video Conferences	Implemented
15	Terminal Semester Examinations	conducted through online
16	Popularizing online Courses	implemented
17	MANODARPAN	Informed the students through mentors
18	Awareness on Covid 19	conducted
19	Provision of Quarantine Facilities / Support	implemented

NAME OF THE DEPARTMENT: ENGLISH**1. Department Details :**

Name of the School	Faculty of Science and Humanities
Name of the HOD, Phone No. and E-mail ID	Prof. A. Khaleel Rahuman , 9486840283, khaleelniu@gmail.com
Year of Establishment	1989
Telephone Number	9486840283
Website / E mail	Nil

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1.	Dr. M. L. Narayanan	M.A., M. Phil., Ph.D., D.Lings	Prof.	Indian Writing in English	42	6	rushtoml@yahoo.com
2.	Dr. B. Krishnan	M.A., M. Phil., Ph.D.	Prof.	British Literature	42	6	krishnan_b_ngl@yahoo.co.in
3.	Dr. M. Ilankumaran	M.A., M. Phil., M.Com., MBA, Ph.D.	Prof. & Research Programme Coordinator	ELT	14	12	mikumaran@yahoo.com 9443482904
4.	Prof. A. Khaleel Rahuman	M.A., M. Phil.	Associate Prof. & HOD	American Literature Postmodernism	27	12	khaleelniu@gmail.com 9486840283
5.	Dr. R. Jinu	M.A., M. Phil., Ph.D.	Associate Professor	Dalit Literature	14	5	jichelnu@gmail.com 9442079534
6.	Dr. P. Deepa	M.A., M. Phil.,	AP	ELT	14	7	deepam_nice@rediffmail.com 9994850845
7.	Dr.V. S. Bindhu	M.A., M. Phil.	AP	Indian Writing in English	11	6	bindhuniu@g.mail.com 9442364135
8.	Ms. J. Sheila	M.A., M. Phil., M.A., M.Sc.	AP	Canadian Literature	18	5	jsheilasofi@gmail.com 9445150802
9.	Ms. M. Kohila	M.A., B.Ed., M. Phil.	AP	Indian Writing in English	12	4	Kohisatha2005@gmail.com 9488272334
10.	Ms. S. Shafrina	M.A., NET	AP	Indian Writing in English	02	NIL	shafrina.sj@gmail.com
11.	Ms. J. Mathi Vathani	M.A., M. Phil.	TA	American Literature	03	NIL	mathivathani662@gmail.com
12.	O.M.Mohammad Yaseen	M. A., M. Phil.	TA	Indian Writing in English	1.5	NIL	al.yaseen07@gmail.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.

4.. Research Schemes/Projects undertaken : NIL

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops,Symposia etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period

b) Foreign Faculty/Expert visit to the Department: NIL

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speaker, Resource Person, Chair Person, External expert etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1.	Dr. M. Ilankumaran	Moderator	In the series of webinars ELTAI Webinar 55 with the Guest Speaker Dr. Richard Harrison, ELT Specialist, and Founder & Director of Canford Publishing, the UK & - Oman	The Series of Webinars - ELTAI Webinar 55	on the 6 th of June, 2021 Online

7. Details of Seminars, Conferences and Refresher courses Organised : NIL

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	Dr. R. Abilasha, Dr. M. Ilankumaran	A Dynamic Change in the System of Education Owing to the Pandemic Episode - A Study on Post Covid-19 Lockdown in Indian Context	International Journal of Analytical and Experimental Modal Analysis (IJAEMA), UGC CARE listed Journal, IF. 6.3, ISSN-0886-9367 (Online)	vol. XII, no.VII,	July 2020	pp.170-176
2.	S. Sreena, Dr. M. Ilankumaran	Action Plans for the Teachers to Achieve the Goal of Speaking Skills of the Learners in an ELT Classroom	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no.VII	July, 2020	pp.106-112
3.	A. Delbio, Dr. M. Ilankumaran	Learner Centred Psychological Principles in Acquiring the Second Language	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no.VII	July, 2020	pp.227-235
4.	A. Delbio, Dr. M. Ilankumaran	Methods of Second Language Teaching and Learning	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no.VII	July, 2020	pp.236-243
5.	G. Alamelu, Dr. M. Ilankumaran	Written Language versus Spoken Language: A Comparative Study	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no. VII	July, 2020	pp.185-194

6.	G. Alamelu, Dr. M. Ilankumaran	Optimizing Second Language Learning in Engineering Classrooms by Implementing Activity Based Instruction and Spaced Repetition System	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no. VII,	July 2020	pp.200-207
7.	Vinita V. J, Dr. M. Ilankumaran	The Evolution of Content-Based Instruction	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no. VII	July, 2020	pp.147-155
8.	Vinita V. J, Dr. M. Ilankumaran	Embedding Prosody and Pragmatics in Content-Based Instruction for an Effective Oral Skills in Second Language Learning	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no. VII	July, 2020	pp.156-163
9.	R. Catherine Shaniga, Dr. M. Ilankumaran	Characteristics and Principles of Communicative Language Teaching	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no. VII	July, 2020	pp.212-218
10.	R. Catherine Shaniga, Dr. M. Ilankumaran	Blended Learning and Learners' Intellectual Development	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no. VII	July, 2020	pp.219-226
11.	Febiah R.S, Dr. M. Ilankumaran	Media Technology in the Teaching English Language	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no. VII	July, 2020	pp.25 -32

12.	R. Sreeja, Dr. M. Ilankumaran	Enhancing the Language Proficiency of Rural Students by Sharpening Their LSRW Skills	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no.VII	July, 2020	pp.125 -131
13.	Akila S.S, Dr. M. Ilankumaran	Content Language and Integrated Learning (CLIL) - A Novel Epoch In Learning English as a Second Language	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), IF. 6.3, UGC CARE listed Journal ISSN-0886-9367 (Online)	vol. XII, no.VII	July, 2020	pp.177 -184
14.	Dr. R. Abilasha, Dr. M. Ilankumaran	Original Research Papers – Ways and Means to Hone the Art of Writing	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930 (JAT)	vol.XII no. VIII	August 2020	pp. 882-897
15.	S. Sreena, Dr. M. Ilankumaran	Different Methods of ELT and the Challenges Faced by the Rural Students in ESL Classroom	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp. 1178-1191
16.	A. Delbio, Dr. M. Ilankumaran	Developing Communicative Competence of the Learners in Acquiring the Second Language	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp. 977-989
17.	A. Delbio, Dr. M. Ilankumaran	Socio Cognitive Factors in Second Language Acquisition – An Analytical Study	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp. 990-1004

18.	C. T Abdul Majeed, Dr. M. Ilankumaran	Theories and Methods for Enriching Second Language Skills Through Programmed Instruction – An Overview	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.869-881
19.	C. T Abdul Majeed, Dr. M. Ilankumaran	Programmed Instruction: A Research Based System for Learning Language Skills	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.909-920
20.	Alamelu G, Dr. M. Ilankumaran	Adapting Spaced Repetition System (SRS) Among Other Methods for Optimizing English Language Teaching	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.898-903
21.	Alamelu G, Dr. M. Ilankumaran	Paradigm Shift in the English Language Teaching – Challenges Faced by the Teachers and the Learners during the Pandemic	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.927-938
22.	Vinita V.J, Dr. M. Ilankumaran	The Functional Aspect Of Content-Based Instruction in Language Speaking Classrooms In India	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.1192-1204
23.	Vinita V.J, Dr. M. Ilankumaran	Implementing Instructional Scaffolding In Content-Based Instruction In Teaching English As Second Language	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.1205-1221

24.	R. Catherine Shaniga, Dr. M. Ilankumaran	Trends In English Language Teaching	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.946-961
25.	R. Catherine Shaniga, Dr. M. Ilankumaran	English Language Teaching In India: Challenges and Strategies	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.962-976
26.	Febiah R.S, Dr. M. Ilankumaran	Magnitude Of English Language Learning- A Study On The ESL Through Media Technology	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.1013-1027
27.	R. Sreeja, Dr. M. Ilankumaran	Remedies Over The Problem of Teaching English as a Second Language to the Rural Students	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.1156-1170
28.	Akila.S.S, Dr. M. Ilankumaran	Developing Speaking Skill Through Content Language And Integrated Learning	Journal of Xi'an University of Architecture & Technology (JAT) (UGC CARE Listed & Scopus Indexed) with IF 3.7 ISSN: 1006-7930	vol. XII no. VIII	August 2020	pp.857-868
29.	Abilasha, R. Ilankumaran	Contra-Lateral Neural Control System and Language Acquisition	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 8-15
30.	Alamelu, G. Ilankumaran	Role Of Communication Skills in Personal Growth and Enhancing Speaking Skills through Spaced	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 16-24

		Repetition System (SRS)				
31.	Catherine Shaniga, R. Ilnankumaran M.	Impacts of Curriculum Transaction on Teachers Professional Development	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-795	vol. 26, no.1	Oct. 2020	pp. 39-45
32.	Catherine Shaniga, R. Ilnankumaran	Professional Development of Teachers through Reflective Practice	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 46-53
33.	Delbio, A. Ilnankumaran	Using Mobile-Assisted Language Learning to Develop Communicative Skills	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 60-68
34.	Delbio, A. Ilnankumaran	Technology in ELT Classroom to Enhance Language Skills	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 69-77
36.	Febiah, R.S. Ilnankumaran, M.	Learning Second Language by Means of Entertainment and Lecture	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 83-92
36.	Jeya Gowri, K. Ilnankumaran, M.	The ELT Syllabus in Higher Secondary and Collegiate Education	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 93-100
37.	Jeya Gowri, K. Ilnankumaran, M.	English Language Teaching in Tamil Nadu Education System	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 101-108
38.	Sreena, S. Ilnankumaran, M.	The Impact of Cognitive Factors on Second Language Speaking	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 217-223

39.	Sreena, S. Ilankumaran, M.	Use of Modern Technologies to Develop the Communication Skills in English Language	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 224-230
40.	Vinita, V. J. Ilankumaran, M.	Rudiments of Content-Based Instruction Curriculum Design	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 247-255
41.	Vinita, V. J. Ilankumaran, M.	Conceptualizing the Requirement for Integrating Pragmatism in Content-Based Instruction	Kala : The Journal of Indian Arts History Congress (UGC CARE Listed) ISSN : 0975-7945	vol. 26, no.1	Oct. 2020	pp. 256-264
42.	C. T Abdul Majeed, Dr. M. Ilankumaran	Teaching English as a Second Language Through Programmed Instruction: A New Perspective	Sambodhi: Indological Research Journal of L. D. I. I. (UGC CARE Listed) with IF 5.80 ISSN: 2249-6661	vol. 44 no. 01	January - March 2021	pp.60-67
43.	Ilankumaran, M.	Positiveness in Life (Poem)	Writers Editors Critics, An International Biannual Refereed Journal of English Language and Literature ISSN : 2231-198X	vol. 11, no.1	March 2021	p. 137
44.	Ilankumaran, M.	Be an Achiever in Life (Poem)	Writers Editors Critics, An International Biannual Refereed Journal of English Language and Literature ISSN : 2231-198X	vol. 11, no.1	March 2021	p. 138
45.	Dr.Delbio. A, Dr. M. Ilankumaran, Dr. R. Abilasha, Dr. V. Chanthiramathi	The Prominence of Innovative Ideas and Technologies in ELT Classroom	LINGUISTICA ANTVERPIENSIA, (Web of Science (SSCI, AHCI) Annexure 1, Scopus Q1) ISSN:0304-2294	vol. 2021, no.1	31 March, 2021	pp. 2460 – 2474
46.	Dr. Delbio. A, Dr. M. Ilankumaran, Dr. R. Abilasha, Dr. V. Chanthiramathi	Function of Brain in L2 Learning - Neurolinguistic Perspective	LINGUISTICA ANTVERPIENSIA, (Web of Science (SSCI, AHCI), Annexure1, Scopus Q1) ISSN:0304-2294	vol. 2021no.1,	31 March, 2021	pp. 2442 – 2459

47.	V. J. Vinita, Dr. M. Ilankumaran	Significance of Content Based Instruction In Effective Language Teaching	LINGUISTICA ANTVERPIENSIA, (Web of Science (SSCI, AHCI), Annexure 1, Scopus Q1) ISSN: 0304-2294	vol. 2021, no.1	31 March, 2021	pp. 2262 - 2282
48.	R. Catherine Shaniga, Dr. M. Ilankumaran	Professional Development of Teachers through Reflective Practice and Curriculum Transaction	LINGUISTICA ANTVERPIENSIA, (Web of Science (SSCI, AHCI), Annexure 1, Scopus Q1,) ISSN: 0304-2294	vol. 2021, no.1	31 March, 2021	pp. 2940 – 2958
1.	Prof. A. Khaleel Rahuman	Troubles with Reality and Order through the Imagination in a World of Disbelief and Disorder: Wallace Stevens and Supreme Fiction	GLOBAL JOURNAL OF HUMAN- SOCIAL SCIENCE: G Linguistics & Education USA Online ISSN: 2249-460x & Print ISSN: 0975-587X	Volume 20 Issue 11 Version 1.0	Nov. 2020	pp. 8-15
1.	Dr. P. Deepa	The Prospect of Hybrid Learning in the Covid Pandemic Period	International Journal of Research And Analytic Reviews ISSN:2349 5138	Vol. 8 Issue :3	Sep. 2021	
1.	Dr. M. Kohila	Psychological Conflicts in Anitha Desai's Novels <i>Cry, the Peacock</i> and <i>Fire on the Mountain</i>	International Journal of Research And Analytic Reviews ISSN:2349 5138	Vol. 8 Issue :3	Sep. 2021	pp.72-76

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1.	Dr. M. Ilankumaran	Be with us Dear Son (Poem) (copyright filed)			
	Dr. M. Ilankumaran	Nihilism in Life (Poem) (copyright filed)			
	Dr. M. Ilankumaran	Snatched Away Unjustly (Book) (copyright filed)			
2.	O. M. Mohamed Yaseen	Dynamic Greegy Faceted Product Search Engine	11/09/2020	202041039 298	Filed

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Dr. M. Ilankumaran	'Snatched Away Unjustly', ISBN: 978-93-84295-90-5	R. K. Publishers, Coimbatore	October 2020

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2020-21		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme	Nil																								
	PG Courses M. A. English		04	NIL	04	N il	01	N il	02	Ni l	Nil	Nil	Nil	Ni l	01	N il	Ni l	N il	N il	01	06	Nil	N il	Nil	N il	100%
	M.Phil. Programme		02	NIL	02	N il	0 1	N il	0 1	Ni l	Nil	Nil	Nil	Ni l	N il	N il	Ni l	N il	Ni l	Ni l	N il	Nil	N il	Nil	N il	100%
	Ph.D Programme																									
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UG C online courses offered																									
	Total		06		06																					

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1.	M. Phil. ENGLISH	Indian	Kerala	Nil	02	02
2.	M. A. ENGLISH	Indian	Kerala	Nil	01	01

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1.	Nil	Nil	08	08		Nil	02	02		Nil	03	03

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded : Nil

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1.	M. A. English	04	04	04	04	07	07	07	07	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2.	M.Phil.	02	02	02	02	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

17. Placement Details:

Name of the Placement co-ordinator:																
Phone/Mobile Number :e-mail:																
Number of Placement Programmes:																
S. No.	Particulars							Numbers of students placed								
								Male					Female			

1	Number of Students Placed		
2	Number of Placements obtained through Campus Interview		
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)		

18. Outstanding achievements by the Faculty Members: NIL

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students: NIL

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	Course Committee Programme Committee etc.		

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) : NIL

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out : NIL

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1064	7	No. of titles available	
2	Books added during the year 2020-2021	-	8	No. of CDs and Digital Books available	46
3	No. of Indian Journals/Magazines	10	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	02	10	No. of Online Journals	03
5	Average No. of students visiting the Library per day	-	11	Average No. of books Issued per day	NIL
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.)	10 Mbps	12	Availability of Language Lab	
			13	NDL membership 1. Faculty members 2. Students	NIL

24. Information and Communication Technology Resources: NIL

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24.Collaborative Researches : NIL**25.Consultancies : NIL****26.No. of NET/SET/GATE/CSIR Qualified students: NIL****27. MOUs signed : NIL****28. Innovations and Best Practices :****29. Academic Flexibility : NIL**

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Constituted
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidelines on Examinations and SOP	Implemented
12	Formation of Grievance Committee	Constituted
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	not Implemented
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	not Implemented
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: Fire Technology and Safety Engineering

1. Department Details :

Name of the School	Faculty of Mechanical Engineering
Name of the HOD, Phone No. and E-mail ID	I.James Dhinakaran Williams,9894824253,ijdhinak@yahoo.co.in
Year of Establishment	2011
Telephone Number	-
Website / E mail	niu.ftse@gmail.com , https://sites.google.com/d/1viluQhYIf7TNfzJF9_8OdSVCMaosMMec/p/1yLSduIYsLoEj8Z6_xCC67s66RwYBcWqy/edit

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
	Prof.I.James Dhinakaran Williams	M.E.,	Associate Professor	CAD/CAM	16	-	ijdhinak@yahoo.co.in Mob. No: 9894824253
	Dr.R.S.Ganesh	P.hD	Associate Professor	Product Design	18	3	r_s_ganesh@rediffmail.com Mob. No: 9841107984
	Dr.B. Bavanish	P.hD	Associate Professor	CIM	14	3	dr.bbavanish@gmail.com Mob. No: 9488885995 04651-249333
	Prof. R. Rajesh	P.hD	Assistant Professor	Power Electronics	8	3	rajeshknky@gmail.com Mob. No: 9944872621
	Dr.S.Jenkins	P.hD	Assistant Professor	Design	18	-	jenkinsdhas@yahoo.com Mob. No: 9486059241
	Mr.T.Jegan	M.E.,	Assistant Professor	CAD	18	-	tjegan63@gmail.com Mob. No: 8300271870

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	M. Phil	Ph.D.
1	I.JamesDhinakaran Williams				1										
2	R.S.Ganesh		2	4	9		16								
3	B. Bavanish		1	1	3		25								
4	R. Rajesh		2		7		9								
5	Dr.S.Jenkins				1										

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	NIL					
2	NIL					

5. a) Participation of the Faculty members to present papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	NIL			
2	NIL			

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	NIL				
2	NIL				

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	I. James Dhinakaran Williams	Resource Person	webinar	Basics of Fire and Safety Engineering	NICHE 10 th June 2020
	Dr. R. S. Ganesh	Resource Person	FDP	Industrial Safety Concepts and Techniques	NICHE 15 th July 2020

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
		Seminar - Safety at Work place		
1	I. James Dhinakaran Williams	Webinar - Basics of Fire and Safety Engineering	National Level	One day 10 th June 2020
2	Dr. R. S. Ganesh	Faculty Development Programme Industrial Safety Concepts and Techniques	National Level	15 th to 19 th July 2020

3	Nagarajan. G Chief Engineering Manager L & T Construction, Chennai	Workshop on Electrical Design and Safety in collaboted with L& T Construction, Chennai	National Level	2 nd September 2020
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8. Publication of Research Papers at the State/National/International Levels:

S. N o.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	R. S. Ganesh	“Highly Accurate Bus Arrival Time Prediction using K-Nearest Neighbor Prediction in the Internet of Things (IoT) Environment	Journal of Green Engineering (JGE)	Vol.10, Issue 9, (SCOPUS)	2020,	.4752-4762.
2	R. S. Ganesh	“ Energy-conserving cluster method with distance criteria for cognitive radio Networks”	Advances in Communication Systems and Networks	Vol.656,	2020,	607-624.(SCOPUS)
3	R.S.Ganesh	“Flexible Koch Modified Fractal Patch Antenna for Wearable Health Care Applications”				
4	Dr. Bavanish. B	“Tribological and ageing behavior of Az91D magnesium alloy composite: effect of hybrid WC-Sio2 nanoparticles”	ISSN: 0036-8792	vol. 73 no. 4,	2021	https://doi.org/10.1108/ILT-12-2020-0475
5	Dr. Bavanish. B	“Tribological and ageing behavior of Az91D magnesium alloy fortified with nano lanthanum and nanoceria by stir casting for	ISSN: 0036-8792, ,	vol. 73 no. 4,	2021	DOI: https://doi.org/10.1108/ILT-12-2020-0475

		aviation application”				
	Dr. Bavanish. B	“Design and analysis of 5 MW horizontal axis wind turbine”, Materials Today	,	Vol. 37, ,	2021	Pg. 3338-3342https://doi.org/10.1016/j.matpr.2020.09.202
	Dr. Bavanish. B,	“Optimization of horizontal axis wind turbine blade using FEA”, Materials Today;	https://doi.org/10.1016/j.matpr.2020.09.215	Vol. 37, Pg. 3367-3371,	2021,	
	Dr. Bavanish. B,	“Synthesis and Characterization of Nano Cerium Dioxide Particles Reinforced with Magnesium Metal Matrix Particles and its Application”,	0193-4120, 2020,		2020	Pg. 5854 – 5860
	Dr. Bavanish. B,	“Blend and Portrayal of Nano Lanthanum Dioxide particles fortified with Magnesium Alloy and its application”	ISSN- 2394-5125	VOL 7, ISSUE 14,	2020	Pg. 2578 – 2583http://www.jcreview.com/?mno=125074.

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	NIL				

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	NIL			

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sanct ioned Stren gth	Enrolment during 2020-2021		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme	60	-	07		2	-	01	-	03	-	1	-	0	-	-	-	-	-	11	0	35	-	30	01	98%
	Total	60		30		2	-	13	-	10	-	3	-	2	-	-	-	-	-	30	1	15	-	18	-	

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
	NIL					

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	NIL				

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	-	-	-	-	-	-	-
2	B.C.M.(State)	-	-	-	-	-	-	-
3	M.B.C./D.N.C.(State)	-	-	-	-	-	-	-
4	SC/SCA/ST(National)	-	-	-	-	-	-	-
5	SC/SCA/ST(State)	-	-	-	-	-	-	-
6	First Generation Free Education	-	-	-	-	-	-	-
7	Loan Scholarship	-	-	-	-	-	-	-
8	Others (Specify the name of the scholarship)	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
	FTSE	07	06	07	06	35	20	35	27	31	25	31	23	15	15	15	15

17. Placement Details:

Name of the Placement co-ordinator: Dr.B.Bavanish												
Phone/Mobile Number :e-mail:dr.bbavanish@gmail.com, 9488885995												
Number of Placement Programmes:												
S. No.	Particulars		Numbers of students placed									
			Male		Female							
1	Number of Students Placed		02		-							
2	Number of Placements obtained through Campus Interview		NIL		NIL							
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)		13%		-							

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	I. James Dhinakaran Williams	International Certification in Occupation Health and Safety	NEBOSH, UK
		The COSHH Risk Assessor Certification (Certified Training)	The International Assessment of Chemical Safety (COSHH)
		Working at Height – Scaffolding (Certified Training)	The International Assessment of Chemical Safety (COSHH)

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
	Divya Dharshini	Internship 23.04.2021 – 30.04.2021	SVMA Agro Products PVT Ltd

20. Department Meetings Held : BOS, Programme Committee, Course Committee etc.

S.No	Name	Date	
	Course Committee(2020 – 2021 ODD)	17.07.2020 22.08.2020 25.09.2020	
	Class Committee(2020 – 2021 ODD))	11.07.2020 27.08.2020 21.09.2020	
1.	Course Committee(2020 – 2021 even)	22.01.2021 25.02.2021 08.04.2021	
	Class Committee(2020 – 2021 even)	23.01.2021 27.02.2021 04.04.2021	
	BOS Meeting	31 st July 2021	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
		NIL		

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Road Safety Awareness Camp	150	16.02.2021	Bike rally from kumaracoil
2	Fire Safety Awareness camp	250	12 th March 2021	St. Marys Hr Sec School, Tuticorin

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	647	7	No. of titles available	70
2	Books added during the year 2018-19	20	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/Magazines	-	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	10	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.)	-	12	Availability of Language Lab	-
			13	NDL membership 1. Faculty members 2. Students	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Wifi Router	10 Cinnectivity	2				

24.CollaborativeResearches :NIL**25.Consultancies :NIL**

26.No. of NET/SET/GATE/CSIR Qualified students:Three students successfully completed NEBOSH IG1 (International approved safety Course) and more than 10 students appeared and waiting for the result.

27. MOUs signed :NIL**28. Innovations and Best Practices :**Students fabricated Smoke extraction system.**29. Academic Flexibility :**

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	not Implemented
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Constituted
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	-
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidlinies on Examinations and SOP	Implemented
12	Formation of Grivance Committee	Implemented
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Implemented
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	-
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: INFORMATION TECHNOLOGY**1. Department Details :**

Name of the School	Faculty of Computer & Information Engineering
Name of the HOD, Phone No. and E-mail ID	Dr.R.Mathusoothana S.Kumar
Year of Establishment	1998
Telephone Number	9486856119
Website / E mail	rmssk@niuniv.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1	Prof. A.R.Subramonia Iyer	B.Sc., M.Sc., L.L.B	Professor	Cyber Forensics and Security	16	Nil	arsiyer1951@gmail.com 9447575576
2	Dr.R.Mathusoothana S.Kumar	B.E.,M.E., Ph.D	Professor	Image Processing	24.9	14	rmssk@niuniv.com 9486856119
3	Dr.S.Maria Celestin Vigila	B.E.,M.E., Ph.D	Associate Professor	Network Security and Cryptography	23	14	celesleon@yahoo.com, 9442150033
4	Dr.N.Sugitha	B.E.,M.E., Ph.D	Associate Professor	Image Processing	21	6.5	sugi_vi@yahoo.com, 9442077420
5	Dr.S.Palanikumar	B.E.,M.E., Ph.D	Associate Professor	Image Processing	18.6	13.6	palanikumar@niuniv.com 9445522700
6	Dr.V.Mary Amala Bai	B.E.,M.E., Ph.D	Associate Professor	Data Mining and Data Warehousing	18.2	6	mamalas@gmail.com 7502869501
7	Dr.T.Brindha	B.E., M.Tech. Ph.D	Associate Professor	Cloud Computing	13.5	4.9	brindhahere@yahoo.com 9677508835
8	Dr.K.Siva Sankar	M.E., M.B.A., Ph.D	Associate Professor	Systems Software	12	9	sivasankar@gmail.com 9442229791
9	Dr.D.R.Denslin Braja	B.E.,M.E., Ph.D	Associate Professor	Image Processing	15	-	denslinbraja@niuniv.com 9488468782

10	Dr.Y.Jeyasheela	B.E.,M.E., Ph.D	Associate Professor	Data Mining	15	-	niceminime1est@gmail.com 9566424865
11	Dr.V.G.Ranjith	M.Sc., M.Tech.	Assistant Professor	Digital Image Processing, Multi- resolution features	19	-	ranjith@niuniv.com 9994272962
12	Dr.Melbin J.Reena	M.Sc., M.Tech.	Assistant Professor	Big Data Analytics	16	-	melbinjreena@niuni v.com 9443449528
10	Dr.M.B.Jayalekshmi	B.E.,M.E., Ph.D	Assistant Professor	Cloud Computin g	13.3	7 Mont hs	mbjaya2k5@gmail.c om, 9486795892
11	Dr.T.V.Sindia	B.Tech., M.Tech., Ph.D	Assistant Professor	Cloud Computin g	13	2	sindiatv@gmail.com 9442332616

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20- 21	Cumul ative	20- 21	Cumu lative	20- 21	Cumu lative	20- 21	Cumu lative	20- 21	Cum ulati ve	20- 21	Cum ulati ve	M. Phil	Ph.D.
1	Dr.R.Mathusothana S.Kumar	3	3	2	22	02	26	90.8	96.31	--	02	--	--	02	10
2	Dr.S.Maria Celestin Vigila	6	6	7	30	18	105	99.5	98.81	-	2	1	1	2	6
3	Dr.N.Sugitha	3	3	3	12	--	17	97.14	89.13	-	2	-	-	-	6
4	Dr.S.Palanikumar	5	5	4	31	7	60	98	98.9	-	-	-	-	1	6
5	Dr.V.Mary Amala Bai	2	2	2	5	2	11	79.1	73.54	-	-	-	-	-	6
6	Dr.T.Brindha	3	3	3	13	1	20	93.42	88.62	-	01	-	-	-	6
7	Dr.K.Siva Sankar	1	4	9	48	4	23	97.7	94.33	--	2	--	3	2	3
8	Dr.D.R.Denslin Braja	-	-	-	4	-	-	55	75	-	-	-	-	-	-
9	Dr.Y.Jeyasheela	2	2	-	3	2	4	90	66.28	-	-	-	-	-	-
10	Dr.V.G.Ranjith	1	1	0	6	0	3	60	70	-	-	-	-	-	-
11	Dr.Melbin J.Reena	1	1	-	4	-	1	61	71.53	-	-	-	-	-	-
12	Dr.M.B.Jaya lekshmi	-	1	-	3	-	9	88	65	-	-	-	-	-	-
13	Dr.T.V.Sindia	-	1	-	3	-	3	52.14	50.8	-	-	-	-	-	-

4. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Nil	Nil	Nil	Nil	Nil	Nil

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr.R.Mathusoothana S. Kumar	Virtual International conference on Technological Developments in Computer Applications (VICTDCA – 2021)	Direction Oriented Block Based Video Inpainting using Morphological Operations and SSD	25-03-2021
		International conference on Intelligent sustainable Systems (ICISS – 2021)	Comprehensive View on Low Light Image/Video Enhancement Centered on Deep Learning	26-02-2021
2	Dr.N.Sugitha	International Conference on Contemporary Engineering and Technology., Lord Venkateshwara Padmavathy Engineering College, Chennai, India	Effective Brain Tumor Classification using Deep Belief – Convolution Neural Network with Pixel Change Detection Based on Pixel Mapping	10-04-2021 & 11-04-2021
		International Conference on Advances in Materials, Computing and Communication Technologies (ICAMCCT2021) Annai Velankanni College of Engineering, Kanyakumari, India	Automatic Brain Tumor Segmentation on Preoperative and Postoperative MRI	10-04-2021
		National Conference on Computational and Scientific Era (NCCSE '21), Noorul Islam Centre for Higher Education, Kumaracoil, India	Enhancement in Brain Tumor Segmentation on Pre-operative MR Images	06-05-2021
3	Dr.T.Brindha	National Conference on Computational and Scientific Era	Spinal Segmentation with Riding Method	06-05-2021
			Utilizing IoT Wearable Medical Device For Heart Disease Prediction Using Deep Belief Network	06-05-2021
		International Conference on Recent Innovations in Science and Technology	Spinal Injury Detection with Crow Search – DCNN Method	19-06-2021 & 20-06-2021

b)Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Nil				

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Nil				

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1	Prof. Dr.R. Mathusoothana.S.Kumar	Workshop on Patent Awareness	State	21.4.2021
		FDP (Department of Information Technology, NICHE in association with C-DAC, Thiruvananthapuram)	National	6.7.2020-10.7.2020
2	Dr.S.Palanikumar	Workshop on Patent Awareness.	State	21.4.2021

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	LeenaSilvester M. &Retnaswami Mathusoothana S. Kumar	Efficient segmentation of lumbar intervertebral disc from MR images	IET Image Processing, 1751-9659	14(13)	Nov. 2020	3076-3083
2	P. L. Arun, &R Mathusoothana S Kumar	Non-linear Sorenson–Dice Exemplar Image Inpainting Based Bayes Probability for Occlusion Removal in Remote Traffic Control	Multimedia Tools and Applications, 13807501	80	January 2021	11523-11538
3	SobinSoniya. S & Maria Celestin Vigila. S	Taylor-feedback deer hunting optimisation algorithm for intrusion detection in	International Journal of Intelligent Information and Database Systems, 1751-5866	-	2021	Accepted

		cloud using deep maxout network				
4	J. Briso Becky Bell & Maria Celestin Vigila S	Virtual Simulation Using Machine Learning for Hospital Internet of Things	Microprocessors and Microsystems, 0141-9331	-	2021	Accepted
5	SobinSoniya S & Maria Celestin Vigila, S.	Feedback deer hunting optimization algorithm for intrusion detection in cloud based deep residual network	International Journal of Modeling, Simulation, and Scientific Computing, 1793-9615	Vol.12, No.6	2021	-
6	Saira Varghese & Maria Celestin Vigila, S	Securing Utility Computing using Enhanced Elliptic Curve Cryptography and Attribute Based Access Control Policy	International Journal of Grid and Utility Computing, 1741-8488	-	2021	In Press
7	Mancy L & Maria Celestin Vigila.S	Protection of Encrypted Medical Image using Consent based Access Control	International Journal of Medical Engineering and Informatics, 1755-0661	-	2021	In Press
8	Fouziah Hamza & Maria Celestin Vigila, S	Cluster Head Selection Algorithm for MANETs using Hybrid Particle Swarm Optimization-Genetic Algorithm	International Journal of Computer Networks and Applications, 2395-0455	Vol.8, No.2	2021	pp. 119–129
9	JonestonDhasJ. L. & Maria Celestin Vigila, S	Data Integrity Method for Dynamic Auditing in Cloud Environment	Indian Journal of Computer Science and Engineering, 0976-5166	Vol.11, No.6	2020	pp. 843–850
10	Shiny. K.V & Sugitha. N	Automatic Brain Tumor segmentation on Preoperative and Postoperative MRI	International Journal of Scientific Research in Science and Technology ISSN- 2395-602X	Vol. 9 , No. 1	2021	1068-1076

11	Shiny. K.V& Sugitha. N	Study and Analysis of Various Automatic Brain Tumour Segmentation and Classification	Turkish Journal of Computer and Mathematics Education ISSN- 13094653	Vol.10. No.7	2021	6106-6165
12	Shiny. K.V& Sugitha. N	“Effective Brain Tumor Classification on MRI using Deep Belief – Convolution Neural Network with Pixel Change Detection Based on Pixel Mapping Technique	Webology Journal ISSN- 1735- 188X	Accepted	2021	-
13	AbiramiSivapras ad,&S.Palaniku mar	Classification of Network Packets Using Machine Learning Based Algorithms	International Journal of Advanced Science and Technology, 2207-6360	Vol. 29, No. 04	2020	pp. 7553 – 7562
14	Vijila Rani K., Joseph Jawhar S. & Palanikumar, S.	Nanoscale imaging technique for accurate identification of brain tumor contour using NBDS method	Journal of Ambient Intelligence Humanized Computing, 1868-5145	Vol.12, No.7	2020	pp.7667- 7684
15	Nishi S. Das & S Palanikumar	Bilateral filter based image enhancement for retinal fundus images	Oxidation Communicatio ns,ISSN 0209- 4541	Vol. 43 No.3	2020	pp. 463-476
16	Ravindran Z., & Palanikumar S.	Gastric Cancer Detection Using ISILC AND SRM Model	Oxidation Communicatio ns,ISSN 0209- 4541	Vol. 43, Issue 4	2021	pp. 754–766
17	Palanikumar S., Albert Jerome, S. & Jayan, J.P.	Automatic detection of solitary pulmonary nodules using superpixels segmentation based iterative clustering approach.	Journal of Ambient Intelligence Humanized Computing, 1868-5145	-	-	2021
18	Pratheep Kumar	AI based	0974-6455	Vol.13,	2020	PP. 178-182.

	P, & Mary Amala Bai V.	classification of Chest Xray for Covid -19 Diagnosis : A Study		No. 6		
19	Pratheep Kumar P. , Mary Amala Bai V. , & Geetha Nair G.	Challenges and Solutions in CNN based Diagnostic Techniques on Breast Mammographic images: A Survey	3729 – 3746	Vol. 12, No. 9	2020	PP. 3729 – 3746
20	Munavar Jasim & Thomas Brindha	Spinal cord segmentation and injury detection using a Crow Search-Rider optimization algorithm	Biomedical Engineering / Biomedizinische Technik, 1862-278X	Vol.17, No.1	Feb 2021	pp. 21-40
21	Asha Sukumaran & Thomas Brindha	Optimal Feature Selection with Hybrid Classification for Automatic Face Shape Classification using Fitness Sorted Grey Wolf Update	Multimedia Tools and Applications, 1573-7721	Vol.80, No.17	July 2021	pp. 1-22
22	<u>Sukumaran, A. & Brindha, T.,</u>	Nature-inspired hybrid deep learning for race detection by face shape features	<u>International Journal of Intelligent Computing and Cybernetics</u>	Vol. 13 No. 3	July 2020	pp. 365-388
23	Dr.K.SivaSankar	VLSI implementation of an efficient MBIST architecture using RLFSR	Int. J. Systems, Control and Communications, 1755-9340	Vol.11, No.3	2020	288-304
24	Dr.K.SivaSankar	A Method for Universal System Interactions for Smart Phone	International Journal of Scientific Development and Research ,2455-2631	Vol.5, No.12	2020	81- 83
25	Dr.K.SivaSankar	Comparative Study on Environmental Pollution through Software Techniques	International Journal of Scientific Research & Engineering Trends, 2349 – 8862	Vol.6, No.6	2020	3458- 3466

26	Dr.K.SivaSankar	A Software Method for Telecommand and Telemetry Implementation of Aalto-2 CubeSat	International Journal of Advances in Engineering and Management, 2395-5252	Vol.2, No.9	2020	712-717
27	Dr.K.SivaSankar	Water Pollution Through K-Nearest Neighbour Using Software Techniques	International Journal For Research & Development In Technology, 2349-3585	Vol. 14, No.6	2020	05-11
28	Dr.K.SivaSankar	SMS Based Real Time Messaging System For Monitoring Telemetry Data	International Journal of Mathematics and Physical Sciences Research, 2348-5736	Vol. 8, No.2	2020	40-49
29	Dr.K.SivaSankar	Environmental Pollution Through ELM Classification Using Software Techniques	International Research Journal of Modernization in Engineering Technology and Science, 2582-5208	Vol.02, No.12	2020	01-11
30	Dr.K.SivaSankar	Water Pollution Through SVM Classification Using Software Techniques	International Journal of Scientific Research and Engineering Development, 2581-7175	Vol.3, No.6	2020	745-750
31	Dr.K.SivaSankar	Method and Approach for Symbian Boot Loader	International Journal of Science, Engineering and Technology, 2395-4752	Vol.3 , No.6	2020	317-321

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1	Dr. S. Maria Celestin Vigila	Fusion of DNA Sequence and Hyper Chaotic Technique for Securing Medical Image Applications	27/06/2019	201941025600	01/01/2021 (Publication date)
2	Dr. S. Palanikumar	Fake Image Detection using Color Model	27/06/2019	201941025594	01/01/2021 (Publication date)

3	Dr.D.R.DenslinBraja	Water Testing Pen with Chain	13-08-2019	320650-001	33/2020
4	Dr. Y.Jeyasheela Dr.M.B.Jayalekshmi	Low Delay Communication Between Cyber Physical Systems of IoT Applications using Fog nodes	27/06/2019	201941025600	2020101430
5	Dr.K.SivaSankar	Dynamic Boot Loader In Usb Drive With Enhanced User Experience	Jan,2021	2021104785	-

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Silvester M. Leena,R. Mathusoothana,S. Kumar	Computational Analysis and Understanding of Deep Learning for Medical Care: Principles, Methods,and Applications 9781119785729	Wiley - Scrivener	2021
2	SobinSoniya, S. and Maria Celestin Vigila, S	Lecture Notes in Networks and Systems book Series 978-981-16-0739-4	Springer	2021
3	S.Palanikumar , AbiramiSivaprasad	Blockchain Technology Fundamentals Applications, and Case Studies,Se9781003004998	Taylor and Francis/CRC press, Boca Raton, Florida	2020
4	S.Palanikumar , AbiramiSivaprasad	Studies in Computational Intelligence book series (SCI, volume 972),ISBN978-3-030-72236-4	Springer, Basel, Switzerland	2021

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Streng th	Enrolment during 2020-21		Total	Community														Existing Students, Strength								Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme	60	2	11	13	1	0	7	1	0	0	3	1	0	0	0	0	0	0	11	7	13	6	29	13	33.3		
	PG Courses	18	3	7	10	0	2	3	5	0	0	0	0	0	0	0	0	0	0	1	-	-	-	-	-	100		
	M.Phil. Programme																											
	Ph.D Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Diploma Certificate Courses (if any)																											
	MOOC/NPTEL /UGC online courses offered																											
	Total																											

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.Tech. Information Technology	Indian	Kerala	3	-	3

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1	03 (B.Tech-IT)	01	1 (M.E-CY)	01	Nil	-	-	-		-	-	-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	Nil				

15.Scholarships Awarded:Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	B.Tech h(IT)	11	9	-	-	18	8	-	-	19	11	-	-	42	35	33	31
2	M.E (CS)	10	9	-	-	1	1	1	1	-	-	-	-	-	-	-	-
3	B.Sc (CF)	1	1	-	-	5	4	-	-		-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator:	
Phone/Mobile Number :e-mail:	
Number of Placement Programmes:	
S. No.	Particulars
Numbers of students placed	

		Male	Female
1	Number of Students Placed	1	1
2	Number of Placements obtained through Campus Interview	1	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	66.67	-

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	Nil		

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Nil		

20. Department Meetings Held : BOS, Programme Committee, Course Committee etc.

BOS Meeting

S.No	Name	Date	
1.	XIX-BOS	30/07/2021	Finalizing Curriculum for B.Tech IT
			Finalizing II Semester Syllabus for B.Tech IT
			Finalizing Curriculum and Syllabus for M.E Cyber Security
			Finalizing the III and IV semester B.Sc CF Syllabus

2020-2021 ODD

S.No	Name	Date	
1	Programme Committee (UG)	24/11/2020	I meeting
		15/12/2020	II meeting
		10/02/2021	III meeting
2	Programme Committee-S1 M.E, S1 B.sc	12/02/2021	I meeting
		01/03/2021	II meeting
		19/03/2021	III meeting
3	Programme Committee- S3 M.E, S3 B.sc	24/11/2020	I meeting
		25/01/2021	II meeting
		10/02/2021	III meeting
4	Class Committee –S3 IT (UG)	09/11/2020	I meeting
		03/12/2020	II meeting
		22/12/2020	III meeting
		14/01/2021	IV meeting
5	Class Committee –S5 IT(UG)	20/11/2020	I meeting
		07/12/2020	II meeting
		31/12/2020	III meeting
		18/01/2021	IV meeting

6	Class Committee –S7 IT(UG)	20/11/2020	I meeting
		09/12/2020	II meeting
		05/02/2021	III meeting
		24/02/2021	IV meeting
7	Class Committee –S1 B.Sc(UG)	28/10/2020	I meeting
		25/02/2021	II meeting
		11/03/2021	III meeting
		31/03/2021	IV meeting
8	Class Committee –S3 B.Sc(UG)	11/11/2020	I meeting
		04/12/2020	II meeting
		05/02/2021	III meeting
		24/02/2021	IV meeting
9	Class Committee –S1 M. (PG)	11/02/2021	I meeting
		26/02/2021	II meeting
		19/03/2021	III meeting
		31/03/2021	IV meeting
10	Class Committee –S3 M.E (PG)	14/10/2020	I meeting
		07/12/2020	II meeting
		04/02/2021	III meeting
		17/02/2021	IV meeting

2020-2021 EVEN

S.No	Name	Date	
1	Programme Committee-S2IT (UG)	06/05/2021	I meeting
		14/06/2021	II meeting
		06/07/2021	III meeting
2	Programme Committee-S4IT, S6IT (UG)	17/5/2021	I meeting
		31/05/2021	II meeting
		14/06/2021	III meeting
3	Programme Committee-S8IT (UG)	10/05/2021	I meeting
		19/05/2021	II meeting
		31/05/2021	III meeting
4	Programme Committee- S2 B.sc (UG)	24/05/2021	I meeting
		10/06/2021	II meeting
		05/07/2021	III meeting
5	Programme Committee - S2 M.E (PG)	24/05/2021	I meeting
		10/06/2021	II meeting
		05/07/2021	III meeting
6	Class Committee –S2 IT (UG)	10/05/2021	I meeting
		03/06/2021	II meeting
		22/06/2021	III meeting
		19/07/2021	IV meeting
7	Class Committee –S4 IT (UG)	30/04/2021	I meeting
		26/05/2021	II meeting
		07/06/2021	III meeting
		22/06/2021	IV meeting
8	Class Committee –S6 IT (UG)	28/04/2021	I meeting
		25/05/2021	II meeting
		11/06/2021	III meeting
		28/06/2021	IV meeting
9	Class Committee –S8 IT (UG)	18/03/2021	I meeting
		17/05/2021	II meeting

		25/05/2021	III meeting
		31/05/2021	IV meeting
10	Class Committee –S2 B.sc (UG)	10/05/2021	I meeting
		09/06/2021	II meeting
		28/06/2021	III meeting
		15/07/2021	IV meeting
11	Class Committee –S2 M.E (PG)	06/05/2021	I meeting
		08/06/2021	II meeting
		24/06/2021	III meeting
		15/07/2021	IV meeting
12	Class Committee –S4 B.sc (UG)	08/04/2021	I meeting
		27/05/2021	II meeting
		10/06/2021	III meeting
		24/06/2021	IV meeting

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

Sl.No	Name of the Lab	Name of the Equipment/ Computer/Software/Others	Quantity	Purpose Research/Practical
1	Software Development Lab	Computers		
		Intel H310 Chipset Intel Core I5-9400 Processor 1TB 3.5" SATA HDD Toshiba Surveillance Micron RAM HP V202b 19.5" Monitor Logitech MK 120 keyboard and mouse	12	Research - 4 Practical – 1
2		Intel I3 9100F/LGA 1151 Processor Asus H310M-CS-R2 Motherboard Crucial 4GB RAM-2400 Seagate 1TB HDD AOC 20" Monitor HP COMBO C2500 USB Keyboard and Mouse	50	Practical
		Printers		
3		Epson Stylus Photo830	1	
4		Canon s200	1	
5		Epson Stylus C58	3	
		Scanner		
6		hp 3770 scanner	1	
		Camera		
7		SONY CYBERSHOT –DSC P9 DIGITAL CAMARA	1	
8		SONY HANDY CAMS & aCCESS	1	
9		zEBRONICS WEB cAMERA	10	
10		d- LINK WEB cAMERA	10	
11		LOGITECH WEB CAMERA	10	

Sl.No	Name of the Lab	Name of the Equipment/ Computer/Software/Others	Quantity	Purpose Research/Practical
1	System Programming Lab	Computer		
		Intel Pentium D /CPU 2.66Ghz HT Processor Box/ 1.00 GB RAM/ 1.44 Mb FDD/80 GB Seagate SATA HDD/52X LG Cd drive/Hp Keyboard/ Samsung Optical mouse/17" Black Samsung Color Monitor	36	Practical Practical
		Projector		

2		Epson LCD Projector	1	
3		Liberty Vision 285 OHP Projector	1	
		Printer		
4		Epson LX 300 DM Printer	1	
5		Epson Stylus C58 Printer	1	
6		Epson Stylus C58 Printer	1	

Sl.No	Name of the Lab	Name of the Equipment/ Computer/Software/Others	Quantity	Purpose Research/Practical
1	Cyber Security Lab	Computer		
		Intel I 3 rd GEN	10	Practical
		Switch		
2		DIGISOL DG-GSL026 24 Port	1	
		Software		
3		Netforce suite V.1.0	1	
4		CDR Analyser V.1.0	1	
5		SIMXtractor V.1.0	5	
6		Cyber check suite V. 4.0	2	
7		Mobile check V.1.0	2	
8		WinLifT V.1.0	3	
9		TrueImage V. 4.0	1	

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Teachers Day	Non-Teaching Staff	05-09-2020	H-309 Classroom

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1269	7	No. of titles available	75
2	Books added during the year 2020-21	19	8	No. of CDs and Digital Books available	40
3	No. of Indian Journals/Magazines	4	9	No. of Foreign Magazines/Journals	1
4	No. of data bases available	5	10	No. of Online Journals	Nil
5	Average No. of students visiting the Library per day	5	11	Average No. of books Issued per day	5
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	1 Gbps	12	Availability of Language Lab	Nil
			13	NDL membership 3. Faculty members 4. Students	02 --

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.
1	Infocus IN104 Digital projector	DLP Technology 2500 lumens	1

		XGA specification maximum Lamp life 4000 hours 24x7 operation	
2	Hitachi Star BoardFX-77 Interactive white board	Screen size:1573x1800mm Input mode:Infrared and ultrasonic IR wavelength :880mm Ultrasonic frequency:40KHz	1
3	Aver Vision CP255 Visualizer	3.2Megapixel Camera 16xZoom 24fps video frame HDo 720p resolution One touch auto image One touch auto focus Input RGB Output RGB, DVI, Composite S Video	1
4	Audio System Ahuja Speaker Amplifier Studio Master Collar microphone Hand held microphone Cables		2 1 1 1 1
5	Ceiling Mount kit for projector	15 meters VGA cable 15 meters power cable	1
6	Lenova Laptop	5080 13/2Gb/500GB/15.6"/W8.1 Intel core 13- 3805U/2Gb/DDR3/500GB SATA/15.6"/WINB.1	1

No. of PPTs :24

NPTEL videos:30

24.Collaborative Researches :Nil

25.Consultancies :Nil

26.No. of NET/SET/GATE/CSIR Qualified students:Nil

27. MOUs signed :Palo Alto Networks Authorized Cyber security Academy valid upto july 2022.

28. Innovations and Best Practices :

Innovations:

- Incorporation of industry based curriculum.
- Research based projects are given to students, both for UG and PG.
- Creative and case study based assignments are given to students.
- Students are made to participate in unique initiatives like project presentation, to identify innovations using digital technologies for solving the challenges.
- Students are motivated to present papers in conferences and publish papers in reputed journals.

Best Practices:

- Lab equipped with LCD monitors in place of CRT monitors.
- Special coaching for slow learners.

- Study materials and assignments are posted periodically in Google Class Room.
- Usage of information and communication technologies (ICT) in teaching-learning process.

29. Academic Flexibility :

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
1	Nil			

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Constituted
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Not Implemented
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Constituted
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidelines on Examinations and SOP	Implemented
12	Formation of Grievance Committee	Not Implemented
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	Implemented
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: MARINE ENGINEERING**1. Department Details :**

Name of the School	
Name of the HOD, Phone No. and E-mail ID	Dr. S. John Leon, sjohnleon@gmail.com , 9443606221
Year of Establishment	2008
Telephone Number	04651366380
Website / E mail	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	Dr. S. John Leon	M.E. (Thermal), Ph.D.	Associate Professor	Thermal Engineering	29 Years	3 Years	sjohnleon@gmail.com / 9443606221
2.	Prof. Captain S. Vijayan Pillai	MBA (Marketing) Foreign going Master Mariner	Assistant Professor	IMO Regulations	7 Years	--	svpillai8@gmail.com / 9946287141
3.	Mr. J. Jesin Jude Leonard	B.E. (Mech) MEO Class-I (M)	Assistant Professor	Auxiliary Machines	5.5 Years	--	jesinjude.leonard@gmail.com / 9442644908
4.	Dr. V. K. Jebasingh	M.E. (Engineering Design), Ph.D.	Associate Professor	Design Engg.	12 Years	6 Years	jebasingh@live.in / 9488500504
5.	Dr. K. S. Jai Aultrin	M.E. (Manufacturing Engineering), Ph.D.	Associate Professor	Manufacturing Engineering	14 Years	5 Years	aultrin2010@gmail.com / 7598236159
6.	Mr. A. K. Ratheesh	M.E. (Thermal)	Assistant Professor	Thermal Engg	15 Years	--	Ratheeshudhaya2gmail.com / 9600277105
7.	Mr. Neela Prasad U.N.	B.E. (Marine), M.Tech. (Naval Arch.)	Assistant Professor	Naval Architecture	8 Years	--	prasadmariner77@yahoo.com / 9994564994
8.	Mr. P. Raghuvaran	Graduated from Indian Navy	Instructor	Seaman ship & Fire Fighting	13 Years	--	raghuvaranp2@gmail.com / 9442303347

9.	Mr. S.H Vishnu	B.E. (Marine), M.Tech. (Ocean Engg.)	Assistant Professor	Ocean Engg.	4.3 Yea rs	--	vishnush1990@gmail.com / 9746925009
10	Mr. E. Jonie Stevens	B.E. (Marine)	Teaching Assistant	Marine Engg.	3 Yea rs	--	joniestevens44@gmail.com / 9698498730
11.	Mr. M. Anand Jino	B.E. (Marine) MEO Class- IV	Assistant Professor	Marine Engg.	2 Yea rs	--	anand.jino@gmail.com / 8903126479
12.	Mr. M. Muniasamy	B.E. (Marine)	Assistant Professor	Marine Engg.	1.6 Yea rs	--	munishsailor@gmail.com / 7373555565

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1.	Dr. S. John Leon				2			180	180						
2.	Prof. Captain S. Vijayan Pillai							150	150						
3.	Mr. J. Jesin Jude Leonard							150	150						
4.	Dr. V. K. Jebasingh	2	2	0	6	0	136	180	180						
5.	Dr. K. S. Jai Aultrin	4	4	1	17	0	34	185	180						
6.	Mr. A. K. Ratheesh							180	180						
7.	Mr. Neela Prasad U.N.							180	180						
8.	Mr. P. Raghuvaran							150	150						
9.	Mr. S.H Vishnu							180	180						
10	Mr. E. Jonie Stevens							180	180						
11	Mr. M. Anand Jino							180	180						
12	Mr. M. Muniasamy							180	180						

Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Nil					

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Nil			

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Nil				

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Nil				

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
	Nil			

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	Samuel Kumaresan, K.S. Jai Aultrin, S.S. Kumar, M. Dev Anand	Transfer Learning With CNN for Classification of Weld Defect	IEEE Access / 2169- 3536	9/ June	June 2021	95097-95108

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	Nil				

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Nil			

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2020-21		Total	Community												Existing Students, Strength						Pass Percenta ge of out going batch		
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III			IV	
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
	UG Programme	Nil																								
	PG Courses																									
	M.Phil. Programme																									
	Ph.D Programme																									
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UGC online courses offered																									
	Total																									

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
						Nil

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
	Nil											

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					Nil

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							Nil

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1.	B.E. Marine Engineering	Admission - Nil				12	6	Result Not yet published		12	8	Result Not yet published		Exams not yet Over		Exams not yet Over	

17. Placement Details:

Name of the Placement co-ordinator: Mr. M. Muniasamy												
Phone/Mobile Number :e-mail: 7373555565 / munishsailor@gmail.com												
Number of Placement Programmes:												
S. No.	Particulars					Numbers of students placed						
						Male			Female			
1	Number of Students Placed					1			Nil			
2	Number of Placements obtained through Campus Interview					Nil			Nil			
3	Ratio of Placement to Students (Total					0.084			Nil			

	no of Placement / Total no of Students)		
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18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1		Nil	

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1		Nil	

20. Department Meetings Held : BOS, Programme Committee, Course Committee etc.

S.No	Name	Date	
1.	BOS	25-06-2020	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
		Nil		

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1		Nil		
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	870	7	No. of titles available	840
2	Books added during the year 2018-19	15	8	No. of CDs and Digital Books Available	70
3	No. of Indian Journals/Magazines	50	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	nil	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	06	11	Average No. of books Issued per day	02
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	2 Mbps	12	Availability of Language Lab	Nil
			13	NDL membership 1. Faculty members 2. Students	Nil

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
Nil							

24. Collaborative Researches : Nil**25. Consultancies : Nil****26. No. of NET/SET/GATE/CSIR Qualified students: Nil****27. MOUs signed : Nil****28. Innovations and Best Practices : Nil****29. Academic Flexibility :**

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
Nil				

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corona virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented
4	Permission to work from Home	Implemented
5	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Implemented
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Not Implemented
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calendar	Implemented
11	Guidelines on Examinations and SOP	Implemented
12	Formation of Grievance Committee	Not Implemented
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Not Implemented
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	Not Implemented
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: MATHEMATICS

1. Department Details :

Name of the School	Faculty of Science and Humanities
Name of the HOD, Phone No. and E-mail ID	Dr.M.Immaculate Mary, Phone No. : 9442006514 E-mail ID : imma_arul@yahoo.com
Year of Establishment	1989
Telephone Number	-
Website / E mail	nichemaths@yahoo.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1	Dr.M.Immaculate Mary	M.Sc., M.Phil, B.Ed, Ph.D.	Prof. & HOD	Stochastic Processes	27 Y 10 M	13 Y	imma_arul@yahoo.com 04652-279857 9442006514
2	Dr.P.B.Sarasija	M.Sc., Ph.D.	Prof.	Graph Theory	26y 4m	15Y	sijavk@gmail.com 04651-236160 9443002541
3	Dr.T.M.Selvarajan	M.Sc., M.Phil, B.Ed, Ph.D.	Asso. Prof.	Graph Theory	27y 8m	13Y	selvarajan_26@yahoo.co.in 9443844903 04651-252881
4	Dr.S.Kumaresan	M.Sc., M.Phil. Ph.D.	Asso. Prof.	Operations Research	28y 10m	11Y	suthanthiraabi@gmail.com 04651-250298 9443993893
5	Dr.K.UmaSamundesvari	M.Sc.,M.Phil, PGDCA, Ph.D.	Asso. Prof.	Graph Theory	23y	11Y	kus_krishna@yahoo.co.in 04652-275024 98940 71318
6	Dr.R.Binithiya	M.Sc., M.Phil,Ph.D.	Asst. Prof.	Graph Theory	14y 4m	10Y	binthiya_r@yahoo.co.in 04652-251836 9487820221
7	Dr.P.Nageswari	M.Sc.,M.Phil, PGDCA , Ph.D.	Asst. Prof.	Graph Theory	18y	10Y	nageswari.kannan06@gmail.com 04651-261115 9677318713
8	Dr.K.Uma Devi	M.Sc.,B.Ed., M.Phil.,HDCA, Ph.D.	Asst. Prof.	Fuzzy Algebra	13y 6m	11Y	devi.uma30@gmail.com 9487659151
9	Dr.D.Sheeba Singh	M.Sc., M.Phil., Ph.D.	Asst. Prof	Stochastic Processes	13y 3m	10Y	dssheeba@gmail.com 9442606150
10	Dr. M.Sudha	M.Sc., M.Phil, B.Ed., Ph.D.	Asst. Prof.	Graph Theory	12y 10m	7Y	sudha.jeyakumar@yahoo.in 04651253339 9486962339
11	Mr.G.VictorJeya Chandra	M.Sc., M.Phil., B.Ed.	Asst. Prof.	-	13y 7m		victorjeyacg@gmail.com 9486757921

12	Mrs.P.JebaSheeja	M.Sc., M.Phil, B.Ed., Ph.D .	Asst. Prof.	Graph Theory	12y 2m	4Y	petersheeja10@gmail.com 9655721162
13	Dr.J.John Arul Singh	M.Sc., M.Phil, Ph.D.	Asst. Prof.	Graph Theory	9y 1m	12Y	arul_singh_maths@yahoo.com 9944509724
14	Ms.C.Saranya	M.Sc.M.Phil.	T.A.	-	4y	-	csaranyap@gmail.com 9442309715

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr.M.Immaculate Mary	-	1	-	14	-	8	180	495	-	7	-	1	7	1
2	Dr.P.B.Sarasija	-	6	-	40	6	116	180	1340	-	7	-	3	6	3
3	Dr.T.M.Selvarajan	-	2	1	12	-	9	150	790	-	8	-	-	8	-
4	Dr.S.Kumaresan	-	-	-	3	-	-	150	500	-	1	-	-	1	-
5	Dr.K.UmaSamundesvari	-	3	1	18	2	21	180	1020	-	8	-	1	8	1
6	Dr.R.Binithiya	-	4	-	7	-	33	180	716	-	7	-	-	7	-
7	Dr.P.Nageswari	-	1	-	4	-	12	180	530	-	5	-	-	5	-
8	Dr.Sheeba Singh	-	1	3	9	-	1	180	530	-	1	-	-	1	-
9	Dr.K.Uma Devi	-	1	3	8	-	22	180	556	-	3	-	-	3	-
10	Dr. M.Sudha	-	1	-	7	-	2	180	630	-	3	-	-	3	-
11	Mr.G.VictorJeya Chandra	-	-	-	-	-	-	150	475	-	1	-	-	1	-
12	Mrs.P.JebaSheeja	-	-	1	1	-	-	180	515	-	1	-	-	1	-
13	Dr. J. John Arul Singh	-	2	-	5	-	7	150	625	1	7	-	1	7	1

4.. Research Schemes/Projects undertaken : NIL

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc. : NIL

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1				
2				

b) Foreign Faculty/Expert visit to the Department: NIL

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr.M.Immaculate Mary	DC Member	DC Meeting	External Expert	NMC Marthandam 22-01-2021
2	Dr.K.Uma Samundesvari	DC Member	DC Meeting	External Expert	Holy Cross College(Online) 12-01-2021
3	Dr.R.Binithiya	DC Member	DC Meeting	External Expert	Rani Anna College, Tirunelveli(online) 14-08-2020

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1	Dr.M.Immaculate Mary	Webinar on Statistics In Research Data Analysis	National	28-06-2021

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	Sheena K.P, K.Uma Devi	Homomorphism on Intuitionistic Fuzzy subgroups- Some Aspects	IJARMATE 2454-9762	7(5)	2020-2021	45-52
2	Sheena K.P, K.Uma Devi	Bipolar Valued Fuzzy Subbigroupmof a Bigroup	WutanHutanJ isuanJishu 1001-1749	17(3)	2020-2021	14-138

3	Sheena K.P, K.Uma Devi	Homomorphism -A study on Intuitionistic Fuzzy subgroups	Indian Journal of natural Sciences 0976-0997	12(65)	April 2021	30685- 30688
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9. Details of patents applied/registered:NIL

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:NIL

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2020-21 NI		Total	Community														Existing Students, Strength								Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	PG Courses	30	-	5	5			4	-	1	-	-	-	-	-	-	-	-	-	1	5	-	-	-	-	100		
	M.Phil. Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Ph.D Programme	58	5	-	5	-	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Diploma Certificate Courses (if any)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	MOOC/NPTEL/UG C online courses offered	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Total	88	5	5	10	-	2	4	3	1										1	5					100		

12. Enrolment of Students from Overseas and other States: NIL

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male	-	Male	1	-	-	-	-	-	-	-	-
	Female	-	Female	5	-	-	-	-	-	-	-	-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :NIL

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Post metric Scholarship schemes Minorities CS	1						8700
	Total	1						8700

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
2	M.Sc.	5	5	5	-	6	6	6	6								

17. Placement Details:

Name of the Placement co-ordinator: Dr.J.John Arul Singh												
Phone/Mobile Number :e-mail: 9944509724 johnarulsingh												
Number of Placement Programmes:												
S. No.	Particulars		Numbers of students placed									
			Male		Female							
1	Number of Students Placed		-		-							
2	Number of Placements obtained through Campus Interview		-		-							
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)		-		-							

18. Outstanding achievements by the Faculty Members: NIL

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students: NIL

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.**

S.No	Name	Date		
1	BOS	22-06-2021		
2	Programme Committee	I M.Sc.	01-02-2021	06-05-2021
		II M.Sc.	01-10-2020	11-03-2021
3	Class Committee	I M.Sc.	02-02-2021	19-05-2021
		II M.Sc.	04-02-2021	19-05-2021
4	Course Committee	I BE MA2101, MA2102	25-02-2021 -	- 09-06-2021
		S3 BE MA2201	24-01-2021	
		S4 BE MA2203		25-04-2021
		S4 BE MA2204		16-04-2021

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) : NIL

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out : NIL

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1091	7	No. of titles available	305
2	Books added during the year 2020-21	66	8	No. of CDs and Digital Books available	0
3	No. of Indian Journals/Magazines	5	9	No. of Foreign Magazines/Journals	0
4	No. of data bases available	0	10	No. of Online Journals	24
5	Average No. of students visiting the Library per day	3	11	Average No. of books Issued per day	4

6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	0	12	Availability of Language Lab	-
			13	NDL membership 1. Faculty members 2. Students	12 -

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer		2	7	Network		
2	Laptops		-	8	Fax		-
3	Printer		1	9	Smart Class	A214	1
4	LCD Projector		-	10	Software/ Data base		-
5	Net Connection Wi-Fi: Wired:		1	11	Others		-
6	Scanner		-				

24.Collaborative Researches :NIL

25.Consultancies :NIL

26.No. of NET/SET/GATE/CSIR Qualified students:NIL

27. MOUs signed :NIL

28. Innovations and Best Practices :Conducted online classes successfully

29. Academic Flexibility :NIL

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corona virus (COVID 19)	Conducted
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Informed
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Constituted

7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Implemented
9	Downloading AarogyaSethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidlinies on Examinations and SOP	Implemented
12	Formation of Grivance Committee	Implemented
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	Implemented
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: FACULTY OF MANAGEMENT STUDIES

1. Department Details :

Name of the School	FACULTY OF MANAGEMENT STUDIES
Name of the HOD, Phone No. and E-mail ID	Dr. M. Janarthanan Pillai, 9443492997 jmpillai7@gmail.com.
Year of Establishment	1994-1995
Telephone Number	04651-251996
Website / E mail	nicedoms@yahoo.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialization	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1.	Dr. K. A. Janardhanan	MBA, Ph.D (Mg) M.Phil., Ph.D(P.A).	Professor, Dean, Director - HRM	HRM, Disaster Management	28	9	kajanardhanan@yahoo.com , 9443128025
2.	Dr. M. Janarthanan Pillai	M.A. MBA. M.Phil., Ph.D	Professor & HOD	HRM & Economics	30	12	jmpillai7@gmail.com . 9443492997
3.	Dr. R Radhika	MA., MBA M.Phil., Ph.D	Associate Professor	HRM	15	10	rdhujaasourish@gmail.com 9486941177
4.	Dr. V.P. Velmurugan	M.Com ., BL., MBA., Ph.D	Associate Professor	Finance	12	9	vpvharini@gmail.com 9443211048
5.	Prof. Anusha Linda Kostka	M.E	Assistant Professor	AI	20.5	-	anushalindakostka@niuniv.com 9442178534
6.	Dr. Shibin Tad M.C	MBA, MPhil., Ph.D	Assistant Professor	HRM	4	3.8	shibintad@gmail.com 9442040601
7.	Prof. Fenin Samuel	MBA, MPhil	Assistant Professor	Marketing operations	3	3	feninsml@gmail.com 9486865382
8.	Prof. Deekshith	MBA	Assistant Professor	Marketing	3	3	dichi28@gmail.com 8148642903
9.	Dr. Kavitha Rani. R	MBA, MPhil., PhD	Assistant Professor	Marketing , HRM	3	3	kavithar480@gmail.com 8300069008
10.	Dr. Asha. K	MBA., M.Phil. Ph.D	Assistant Professor	Marketing , HRM	2	-	itzmeashak@gmail.com 9486418130
11.	Prof. Jenusha ananthyy	M.Com. MBA	Assistant Professor	Finance HRM	1	-	jenushay@gmail.com 9488386522

14	Prof.Lija P	MBA., M.Phil.,	Assistant Professor	HRM	1	-	lijajohn.mba@gmail.com 8754107343
16.	Prof. Kishore	MBA.,	Assistant Professor	Marketing	1	-	kishorekichu6197@gmail.com 9585047414

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1.	Dr. M. Janarthanan Pillai	-	-	3	3	-	-	-	-	-	-	-	-	-	-
2.	Dr. R Radhika		1	6	60	1	4	86.5		-	8	-	2	11	8
3.	Dr, V, P. Velmurugan	-	1	2	6	-	1	187	1414		3		-	3	-
4.	Dr.R.Kavitha Rani	-	-	3	3	-	-	-	-	-	-	-	-	-	-

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	-	-	-	-	-	-
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. M. Janarthanan Pillai	International research conferences	Perceived stress among teachers of govt Dental college during the pandemic.	26 th -27 th June 2021
2	Dr. M. Janarthanan Pillai	World conferences on psychology ,Gwalior	A unique intelligence to motivation employees during pandemic crisis	10 th July 2021

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	-	-	-	-	-
2	-	-	-	-	-

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	-	-	-	-	-

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
-	-	-	-	-

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	Dr. M. Janarthanan Pillai	Emotional quotient and life adjustment of senior high school students in kanyakumari district	International journal for science and advance research in technology ISSN [ONLINE] : 2395-1052	Volume 7, Issue 6	June 2021	955-958
2.	Dr. M. Janarthanan Pillai	An Analysis on the Issues and Challenges in the Education Sector due to COVID-19 Pandemic	International Journal of Science and Research ISSN: 2319-7064 SJIF (2020): 7.803	Volume 10 Issue 8,	August 2021	312-314
3	Dr. M. Janarthanan Pillai	Emotional brain a unique intelligence at work	International Journal of Management ISSN: 0976502	Volume 11 Issue 11,	November 2020	137-142
4	Dr. R Radhika	Generational Conflict between Gen X & Gen Y IN Employee Engagement	Journal of Education: Rabindra Bharati University ISSN : 0972-7175	Vol. : XXII I, No. : 8,	2021	pp: 184-191

5	Dr. R Radhika	REVIEW OF LITERATURE ON IMPACT OF TRAINING METHODS ON INTRAGENETIC DIFFERENCES	ANVESAK ISSN : 0378 – 4568	Vol. 51, No.1(XX IV)	January – June 2021	pp. 55
6	Dr. R Radhika	Reason to Expatriation of Construction Company Workers in UAE	Webology ISSN: 1735-188X	Volume 18, Number 1,	April, 2021	PP: 315-327
7	Dr. R Radhika	Forecasting the Impact of Social Media Advertising among College Students Using Higher Order Statistical Functions.	Scalable Computing: Practice and Experience, ISSN 1895-1767	Volume 21, Issue 2	August 2020	pp. 291–307
8	Dr. R Radhika	Awareness and Challenges Faced by Students to Adopt E-Learning in their Education	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653	Volume 8 Issue VIII	August 2020	Pg. No.1471-1475
9	Dr. R Radhika	Perception about E-Learning and E-Learning usage in Trivandrum District	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653	Volume 8 Issue VIII	Aug 2020	Pg. No. 1331-1335
10	Dr. V. P. Velmurugan & Beula	Regression Analysis and Structural Equation Modeling with respect to factors of CRM in Life Insurance corporation of India	Turkish Online Journal of Quantitative Inquiry	Volume 12 Issue 3	July 2021	

11	Dr. V. P. Velmurugan & Auslien Nancy	Impact of Soft Skills on Improving the Career Development among IT Employees	Turkish Online Journal of Quantitative Inquiry	Volume 12 Issue 3	July 2021	3679-3692
12	Dr.R.Kavitha Rani	Emotional quotient and life adjustment of senior high school students in kanyakumari district	International journal for science and advance research in technology ISSN [ONLINE] : 2395-1052	Volume 7, Issue 6	June 2021	955-958
13.	Dr.R.Kavitha Rani	An Analysis on the Issues and Challenges in the Education Sector due to COVID-19 Pandemic	International Journal of Science and Research ISSN: 2319-7064 SJIF (2020): 7.803	Volume 10 Issue 8,	August 2021	312-314
14.	Dr.R.Kavitha Rani	An overview of financial service providers in rural India.	International journal of engineering technology e-issn 2395—0056 P-Issn 2395-0072	Volume 8 Issue 8,	August 2021	-
15.	Dr.R.Kavitha Rani	Study on consumer perception towards digital wallets during the covid pandemic.	Natural volatiles and essential oils ISSN-2148-9637	Volume 8 , issue 4	November 2021	1636-1644

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
-	-	-	-	-	-

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength								Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV				
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
	UG Programme BBA&BCOM	40&40	12	57	69																					80 100		
	PG Courses	120	15	26	41																					95.12%		
	M.Phil. Programme	18	3	-	3																							
	Ph.DProgram me																											
	Diploma Certificate Courses (if any)																											
	MOOC/NPTEL/UGC online courses offered																											
	Total																											

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1.	MBA	Indian	Tamilnadu	47	20	67
2	MBA(AI)	Indian	Tamilnadu	01	02	03

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.			
		Total		Total	FT	PT	Total		FT	PT	Total
			MBA	51	03	-	03				

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C. (State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship) minority scholarship	3	1	-	-	-	-	60000
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
	MBA	67	39	61	59	41	35	41	41	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator:																	
Phone/Mobile Number :e-mail:																	
Number of Placement Programmes:																	
S. No.	Particulars							Numbers of students placed									
								Male					Female				
1	Number of Students Placed																
2	Number of Placements obtained through Campus Interview																
3	Ratio of Placement to Students (Total no																

	of Placement / Total no of Students)		
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18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1			

20. Department Meetings Held : BOS, Programme Committee, Course Committee etc.

S.No	Name	Date	
1.	Course Committee		
	Programme Committee etc.		
	Programme Committee		
1.	I Programme Committee - S1 M. Phil	13-2-21	
2.	II Programme Committee - S1 M. Phil	13-3-21	
3.	III Programme Committee - S1 M. Phil	17-3-21	
4.	I Programme Committee – S2 M. Phil	22-5-21	
5.	II Programme Committee – S2 M. Phil	25-5-21	
6.	III Programme Committee – S2 M. Phil	29-5-21	
7.	I Programme Committee – S1 MBA	13-2-21	
8.	II Programme Committee – S1 MBA	13-3-21	
9.	III Programme Committee – S1 MBA	17-3-21	
10.	I Programme Committee – S2 MBA	24-5-21	
11.	II Programme Committee – S2 MBA	11-6-21	
12.	III Programme Committee – S2 MBA	2-7-21	
13.	I Programme Committee – S3 MBA	23-11-20	
14.	II Programme Committee – S3 MBA	12-1-21	
15.	III Programme Committee – S3 MBA	11-2-21	
16.	I Programme Committee – S4 MBA	13-5-21	
17.	II Programme Committee – S4 MBA	22-5-21	
18.	III Programme Committee – S4 MBA	26-5-21	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available		7	No. of titles available	
2	Books added during the		8	No. of CDs and Digital Books	

	year 2018-19			Available	
3	No. of Indian Journals/Magazines		9	No. of Foreign Magazines/Journals	
4	No. of data bases available		10	No. of Online Journals	
5	Average No. of students visiting the Library per day		11	Average No. of books Issued per day	
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.)		12	Availability of Language Lab	
			13	NDL membership 7. Faculty members 8. Students	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24. Collaborative Researches : I

25. Consultancies :

26. No. of NET/SET/GATE/CSIR Qualified students:

27. MOUs signed :

28. Innovations and Best Practices :

29. Academic Flexibility :

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corona virus (COVID 19)	conducted
2	Precautions taken during University Examinations / Evaluations	Wear mask, Social distancing
3	Helpline nos.	
4	Permission to work from Home	Yes
5	ICT / Online class Initiatives	Yes
6	Quality Mandate committees	Formed
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	yes
9	Downloading AarogyaSethu	yes
10	Revised Academic Calender	yes
11	Guidelines on Examinations and SOP	yes
12	Formation of Grievance Committee	yes
13	Circular on Flexible fee payments	yes
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	No
16	Popularising online Courses	No
17	MANODARPAN	No
18	Awareness on Covid 19	Yes
19	Provision of Quarantine Facilities / Support	No

NAME OF THE DEPARTMENT: Mechanical Engineering**1. Department Details :**

Name of the School	Faculty of Mecuahical Engineering
Name of the HOD, Phone No. and E-mail ID	Dr.N.Abilash,9442538863, niceabi@rediffmail.com
Year of Establishment	1996
Telephone Number	9486856128
Website / E mail	www.niumechanical.com/nichemech@gmail.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	Dr.N.Chandrashekhar	Ph.D	Professor& PVC of NIU	Applied Mechanics	38	10	drncshekhar60@yahoo.com 9486856103
2.	Dr.M.DevAnand	ME, MBA, Ph.D	Professor & Director (Research)	Intelligent Robotics	18	16	anandpmt@hotmail.com 9486758653
3.	Dr.G.M. Joselin Herbert	ME,Ph.D	Professor	Thermal Engineering	20	14	joselindev@yahoo.com 9442381611
4.	Dr.N.Ramasamy	ME,Ph.D	Professor	Engg. Design	34	10	nramasamy2002@yahoo.com 9486085018
5.	Dr.N.Abilash	ME,Ph.D	Associate Professor	CIM	14.5	11	niceabi@rediffmail.com 9442538863
6.	Dr.R.Rajesh	ME,Ph.D	Associate Professor	Manufacturing Engineering	13	10	rajesh200345@yahoo.com 9488882073
7.	Mr.S.Raja	ME	Assistant Professor	CIM	14	8	srajame@rediffmail.com 9442177584
8.	Dr.P.Jerold Jose	ME, Ph.D	Assistant Professor	Welding technology	11	8	jeroldjose@yahoo.co.in 9003989637
9.	Dr.R.RameshPalappan	M.E, Ph.D	Assistant Professor	Energy engineering & Management, Thermal Power Engg	20	8	rrpalappan@gmail.com 9486011477
10.	Mr.A.Unni Krishnan	ME	Assistant Professor	Thermal Engineering	19	8	unnikrishnan230575@gmail.com 9486270797
11.	Mr.S.SelvanNambi	ME	Assistant Professor	Manufacturing Technology	14	8	selvannambai78@yahoo.com 9578739365
12.	Mr.B.V.Subhanandh	ME	Assistant Professor	CAD/CAM	9	4	bvanandh@yahoo.com 9597336365
13.	Mr.K.Eqbert	ME	Assistant Professor	CAD	7	6	eqbertmicheal@gmail.com

							8300104776
14.	Dr.T.JudsonDurai	ME, Ph.D	Assistant Professor	Manufacturing Engineering	11	7	judsondurai@yahoo.in 9962708310
15.	Dr.S.Subash	ME, Ph.D	Assistant Professor	CAD/CAM	9	6	subashmail12@gmail.com 9486864170
16.	Mr. Dinesh.R	ME	Assistant Professor	Automobile	3	3	dineshrock26@gmail.com 8098494968
17.	Mr. V Suresh Babu	ME	Assistant Professor	Engineering design	9	-	v.sureshbabu@ymail.com +91-8122429611
18.	Mr. R Rabin	ME	Assistant Professor	Manufacturing Engineering	3	-	rabinshbin@gmail.com 8883259982

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	M.Dev Anand	0	7	6	113	1	222	545		0	0	2	7	0	11
2	N.Abilash	0	2	2	7	0	57	220		0	0	0	0	0	2
3	G.M.Joselin Herbert	0	6	0	15	0	1039	435		0	0	1	0	0	7
4	N.Ramasamy	0	4	1	11	4	28	193		0	0	0	0	0	6
5	R.Rajesh	0	1	3	5	1	7	339		0	0	0	0	0	6
6	P.Jerold Jose	0	1	0	4	0	3	162		0	0	0	0	0	0
7	R.Ramesh Pallapan	0	0	0	0	0	0	161		0	0	0	0	0	0
8	S.Raja	0	0	0	0	0	0	382		0	0	0	0	0	0
9	A.UnniKrishnan	0	2	0	2	0	111	90		0	0	0	0	0	0
10	S.Selvan Nambi	0	1	0	5	0	4	294		0	0	0	0	0	0
11	B.V.Subhanand	0	0	0	0	0	0	157		0	0	0	0	0	0
12	V.Suresh Babu	0	0	0	0	0	0	150		0	0	0	0	0	0
13	K.Eqbert	0	1	0	1	0	0	165		0	0	0	0	0	0
14	T.Judson Durai	0	1	0	2	0	5	165		0	0	0	0	0	0
15	S.Subash	0	0	0	2	0	0	165		0	0	0	0	0	0
16	R.Dinesh	0	0	0	0	0	0	149		0	0	0	0	0	0

17	R.Rabin	0	0	0	0	0	0	123		0	0	0	0	0	0
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4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Dr.N.Ramasamy	Council Of Scientific And Industrial Research (CSIR)	Design and Development of deep learning-based image vision system: Detection of surface cracks in metal coating industries	29/08/20	-	Rs.20,02,600/-

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	M.Dev Anand	AIP Conference Proceedings 0094-243X (print) 1551-7616 (web)	Impact of heat treatment on laser beam welded aluminium (A6061)-titanium (Ti6Al4V) dissimilar sheet metals	2021
2	M.Dev Anand	AIP Conference Proceedings 0094-243X (print) 1551-7616 (web)	Review of aluminium 6061 metal matrix composites fabricated using stir casting method and applications	2021
3	M.Dev Anand	IOP Conference Series: Materials Science and Engineering ISSN 1757-899X (Online)	A6061/B4C MMCs fabrication, experimental investigation and prediction of properties	2021
4	M.Dev Anand	Materials Today: Proceedings ISSN 2214-7853 (Online)	Multi-response optimization of process parameters for laser beam welding of AA6061-Ti6Al4V by grey relational analysis	2021

5	M.Dev Anand	Lecture Notes in Mechanical Engineering ISSN: 2195-4356.	Mechanical Property and Microstructure Analysis of Laser Beam Welded Aluminium (A6061)-Titanium (Ti6Al4V) Dissimilar Sheet Metals	2021
6	N.Abilash	Materials Today: Proceedings ISSN 2214-7853 (Online)	Mechanical possessions of jute/sisal natural fiber mixture amalgams	2021
7	N.Abilash	Materials Today: Proceedings ISSN 2214-7853 (Online)	Polyamide based amalgams in marine custom: History and forthcoming leanings	2021
8	R.Rajesh	IOP Conference Series: Materials Science and Engineering ISSN 1757-899X (Online)	A6061/B4C MMCs fabrication, experimental investigation and prediction of properties	2021

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Dr.M.S.Senthil Saravanan, Professor	Sree Buddha College of Engg	India	1 Day	International Conference-ICRAET2K21 Resource Person
2	Dr.Godwin Glivin	National Institute of Technology, Trichy	India	1 Day	International Conference-ICRAET2K21 Resource Person
3	Dr.A.Haiter Lenin	WOLLO University	Ethiopia	1 Day	International Conference-ICRAET2K21 Resource Person

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S.	Name of the	Role	Event	Title	Venue & Date
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No.	Faculty				
1	Dr.N.Abilash	Convener	Faculty Development Programme	Enhancing Educational practices to meet industrial challenges	NICHE 03/07/2020 to 05/07/2020
2	Dr.R.Rajesh	Resource Person	Faculty Development Programme	Enhancing Educational practices to meet industrial challenges	NICHE 03/07/2020 to 05/07/2020
3	Prof. Raja.S	Secretary	Faculty Development Programme	Enhancing Educational practices to meet industrial challenges	NICHE 03/07/2020 to 05/07/2020
4	Dr.N.Abilash	Convener	Workshop	overview of Automobile Passive Safety	12/07/2020
5	Dr.N.Abilash	Chair Person	Virtual conference	Recent Advances in Engineering & Technology (ICRAET-2K21)	21/05/2021
6	Dr.N.Abilash	Chair Person	Virtual conference	Recent Advances in Engineering & Technology (ICRAET-2K20)	02/08/2020
7	Dr.R.Rajesh	Secretary	Virtual conference	Recent Advances in Engineering & Technology (ICRAET-2K20)	02/08/2020
8	Prof. Raja.S	Secretary	Virtual conference	Recent Advances in Engineering & Technology (ICRAET-2K20)	02/08/2020
9	Dr.P.Jerold Jose	Secretary	Virtual conference	Recent Advances in Engineering & Technology (ICRAET-2K20)	02/08/2020
10	Prof. A.Unni Krishnan	Secretary	Virtual conference	Recent Advances in Engineering & Technology (ICRAET-2K20)	02/08/2020
11	Prof. S.Selvan Nambi	Resource Person	Virtual conference	Recent Advances in Engineering & Technology(ICRAET-2K20)	02/08/2020
12	Dr.N.Abilash	Convener	Webinar	Higher education & career prospects in abroad	29/05/2021
13	Prof.S.Raja	Coordinator	Webinar	Higher education & career prospects in abroad	29/05/2021

14	Dr.P.Jerold Jose	Secretary	Webinar	Higher education & career prospects in abroad	29/05/2021
15	Dr.N. Ramasamy	Secretary	Webinar	Higher education & career prospects in abroad	29/05/2021
16	Dr.N.Abilash	Convener	Short Film Contest	Short Film Contest	2006/2021
17	Dr.R.Rajesh	Secretary	Short Film Contest	Short Film Contest	2006/2021
18	Prof Raja.S	Secretary	Short Film Contest	Short Film Contest	2006/2021
19	Dr.R. Ramesh palappan	Secretary	Short Film Contest	Short Film Contest	2006/2021

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1	Dr.N.Abilash Dr.R.Rajesh Prof. Raja.S	FDP-Enhancing Educational practices to meet industrial challenges	International	03/07/2020 to 05/07/2020
2	Dr.N.Abilash Dr.R.Rajesh Prof. Raja.S	National level workshop on overview of Automobile Passive Safety	National	12/07/2020
3	Dr.N.Abilash Dr.R.Rajesh Prof Raja.S Dr.P.Jerold Jose Prof. A. Unni Krishnan Prof. S.Selvan Nambi	Virtual conference on Recent Advances in Engineering & Tevhnology (ICRAET-2K20)	International	02/08/2020
4	Dr.N.Abilash Dr.R.Rajesh Prof. Raja.S Dr.P.Jerold Jose Dr. R.Ramesh Palappan Prof. A.Unni Krishnan	Virtual conference on Recent Advances in Engineering & Tevhnology (ICRAET-2K21)	International	21/05/2021
5	Dr.N.Abilash Dr.R.Rajesh Dr.P.Jerold Jose Dr. N. Ramasamy	Webinar on Higher education & career prospects in abroad	National	29/05/2021
6	Dr.N.Abilash Dr.R.Rajesh Prof. Raja.S	Short Film Contest	National	2006/2021

	Dr. R. Ramesh Palappan			
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8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	M.Dev Anand	Abrasive water jet machining techniques and parameters: a state of the art, open issue challenges and research directions	Journal of the Brazilian Society of Mechanical Sciences and Engineering ISSN : 16785878, 18063691	43(4)	2021	220
2	M.Dev Anand	Impact of heat treatment on laser beam welded aluminium (A6061)-titanium (Ti6Al4V) dissimilar sheet metals	AIP Conference Proceedings 0094-243X (print) 1551-7616 (web)	2317	2021	020014
3	M.Dev Anand	Review of aluminium 6061 metal matrix composites fabricated using stir casting method and applications	AIP Conference Proceedings 0094-243X (print) 1551-7616 (web)	2317	2021	030027
4	M.Dev Anand	A6061/B4C MMCs fabrication, experimental investigation and prediction of properties	IOP Conference Series: Materials Science and Engineering ISSN 1757-899X (Online)	1017(1)	2021	012003
5	M.Dev Anand	Multi-response optimization of process parameters for laser beam welding of AA6061-Ti6Al4V by grey relational analysis	Materials Today: Proceedings ISSN 2214-7853 (Online)	46	2021	7492–7496
6	M.Dev Anand	Mechanical Property and	Lecture Notes in Mechanical	-	2021	207–213

		Microstructure Analysis of Laser Beam Welded Aluminium (A6061)-Titanium (Ti6Al4V) Dissimilar Sheet Metals	Engineering ISSN: 2195-4356.			
7	N.Abilash	Mechanical possessions of jute/sisal natural fiber mixture amalgams	Materials Today: Proceedings ISSN 2214-7853 (Online)	46	2021	7937–7941
8	N.Abilash	Polyamide based amalgams in marine custom: History and forthcoming leanings	Materials Today: Proceedings ISSN 2214-7853 (Online)	46	2021	7932–7936
9	N.Ramasamy	Localization and segmentation of metal cracks using deep learning	Journal of Ambient Intelligence and Humanized Computing ISSN: 18685137, 18685145	12(3)	2021	4205–4213
10	R.Rajesh	Optimization algorithms and intelligent techniques on electrical discharge machining process	International Journal of Modeling, Simulation, and Scientific Computing ISSN (print): 1793-9623 ISSN (online): 1793-9615.	12(4)	2021	2150015
11	R.Rajesh	Abrasive water jet machining techniques and parameters: a state of the art, open issue challenges and research directions	Journal of the Brazilian Society of Mechanical Sciences and Engineering ISSN : 16785878, 18063691	43(4)	2021	220
12	R.Rajesh	A6061/B4C MMCs fabrication, experimental investigation and	IOP Conference Series: Materials Science and	1017(1)	2021	012003

		prediction of properties	Engineering ISSN 1757-899X (Online)			
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9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1.	S.Selvan Nambi	Design And Analysis Of Constant Pressure Gas Ejector	11/09/2020	202041039314	-
2.	Dr.M.Dev Anand	Development Of Hollow Pipe Friction Stir Welding	11/09/2020	202041039273	-
3.	Dr.M.Dev Anand	Copper Tube Inserted Slab Cooling System For Building Roof	11/09/2020	202041039362	-
4.	Dr.R.Ramesh Palappan	Optimisation Of Electro Discharge Machining By Intelligent Tool	11/09/2020	202041039375	-
5.	Dr.R.Ramesh Palappan	Hybrid Cycle	11/09/2020	202041039381	-
6.	K.Eqbert	Design And Analysis Of Die Casting	11/09/2020	202041039263	-
7.	Students: Mr.Leo Binoy, Alan John Koshy, Aswin.S.Nair	CO ₂ absorbing device using Na ₂ CO ₃ & air flow technique with sliding tank mechanism	10/04/2021	Appln No: 202141017994	-

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	M. V. Bindu, G. M. Joseline Herbert	Advances in Automation, Signal Processing", Instrumentation, and Control	Springer Nature Singapore Pte Ltd.	2021

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	UG Programme	60		17	17			11				6								76		75		99		100%
2	PG Courses	36		25	25	5		17				2		1						7						100%
3	M.Phil. Programme																									
4	Ph.D Programme	32		8	8	1		4						3												
5	Diploma Certificate Courses (if any)																									
6	MOOC/NPTEL/UG C online courses offered																									
	Total	128		50	50	6		32				8		4						83		75		99		

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State		Number of Students		Total
			TN	KL	Male	Female	
1.	BE	Indian	17	20	37		37
	ME	Indian	5	3	8		8
	Ph.D	Indian	4	6	10		10

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	NIL	-	-	-	Nil

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	----	----	----	----	----	----	----
2	B.C.M.(State)	----	----	----	----	----	----	----
3	M.B.C./D.N.C.(State)	----	----	----	----	----	----	----
4	SC/SCA/ST(National)	----	----	----	----	----	----	----
5	SC/SCA/ST(State)	----	----	----	----	----	----	----
6	First Generation Free Education	----	----	----	----	----	----	----
7	Loan Scholarship	----	----	----	----	----	----	----
8	Others (Specify the name of the scholarship)	----	----	----	----	----	----	----
	Total	----	----	----	----	----	----	----

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	ME-CIM	5	5			4	2										
2	ME-TE	5	5			3	2										
3	BE-MECH	17	15			76	48			75	25			95	65	97	97

17. Placement Details:

Name of the Placement co-ordinator: K.Eqbert			
Phone/Mobile Number :e-mail: 8300104776. eqbert@niuniv.com			
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	6	-
2	Number of Placements obtained through Campus Interview	6	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	6%	-

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	Dr.N.Abilash	Life time membership in International Association of Engineers	(IAENG-256815) dated 1/6/2021

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Leo Binoy	Certificate of Appreciation	Kerala Forests and wild Life Department

**20. Department Meetings Held :
BOS,Programme Committee, Course Committee etc.**

S.No	Name	Date	
1.	Programme Committee, Course Committee etc.	7-04-21, 12-05-21, 4-6-21	
2.	BOS	31-07-21	

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1	Strength of material lab	UTM 100 tonns capacity	1	practical
2	CAD/CAM Lab	BOXFORD DUET CNC machine	1	practical
3	CAD/CAM Lab	STAR MILL CNC milling machine	1	practical
4	CAD/CAM Lab	STAR TURN CNC lathe	1	practical
5	Special Machines Lab	Master Model Gaurav Gear Hobbing Machine	1	practical
6	Special Machines Lab	Hydraulic Press (150 TON)	1	Practical,Research
7	Special	Vertical Milling Machine	1	Practical,Research

	Machines Lab			
8	Fluid Machinery Lab	Kaplan Turbine	1	practical
9	Steam Lab	Wind Tunnel	1	practical
10	Steam Lab	Diesel Fired Boiler	1	practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Road safety week awareness programme	Public	16/02/2021	Kumaracoil
2	-	-	-	-

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1430	7	No. of titles available	NIL
2	Books added during the year 2020-21	112	8	No. of CDs and Digital Books available	NIL
3	No. of Indian Journals/Magazines	NIL	9	No. of Foreign Magazines/Journals	NIL
4	No. of data bases available	NIL	10	No. of Online Journals	NIL
5	Average No. of students visiting the Library per day	NIL	11	Average No. of books Issued per day	NIL
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	2Mbps	12	Availability of Language Lab	NIL
			13	NDL membership 5. Faculty members 6. Students	NIL

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.
1	HCL infosys limited	Infocus in 104 digital projector	1
2	HCL infosys limited	Hitachi star board fx -77	1
3	HCL infosys limited	Aver vision cp-155 visualizer	1
4	Laptop mp084vl3	Processor-pentium 3805u Ram-2gb Hard disk-500gb System type-64bit	1

24.Collaborative Researches : Nil

25.Consultancies : 02

26.No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : 01 (Sree Buddha Engg College, Pattoor-Kerala)

28. Innovations and Best Practices :

a. Energy club

b. FAME

29. Academic Flexibility :

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
1	NPTEL certification course	NPTEL	1	1

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Conducted
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Constituted
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Constituted
9	Downloading Aarogya Sethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidelines on Examinations and SOP	Constituted
12	Formation of Grievance Committee	Constituted
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	Implemented
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT:Nanotechnology

1. Department Details :

Name of the School	Faculty of Technology
Name of the HOD, Phone No. and E-mail ID	Dr. P. K. Praseetha, 9486855091, nanohod@niuniv.com
Year of Establishment	2009
Telephone Number	
Website / E mail	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1	Praseetha P.K	M.Sc., Ph.D	Professor and Head	Nanobiotechnology	15	10	crkpkp@gmail.com , nanohod@niuniv.com
2	S. Balamurugan	M. Sc., Ph.D	Professor	Chemistry and Physics of Materials	11	21	scandium.chemistry@gmail.com 9944387763
3	T. K. Sreeja	B.E., M. E., Ph.D	Associate Professor	Electronics and Communication Engineering	12	9	sreejaeng07@gmail.com , 9626833441
4	R S Rimal Isaac	M.Tech., Ph.D	Assistant Professor	Nanotechnology	13	11	rimalisaac@gmail.com , 9443314203
5.	M Prabu	M.Sc., M.Tech., Ph.D	Assistant Professor	Nanotechnology	07	06	mprabuaps@gmail.com 9943373209
6	S Gobalakrishnan	M.Sc., M.Tech., Ph.D	Assistant Professor	Nanotechnology	12	10	gobalakrishnans@niuniv.com 9786300919

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D

1	Praseetha P.K	4	14	9	96	20 2	778	18 7	1421	-	18	-	6	18	6
2	Balamurugan S	3	18	3	107	12 0	885	14 0	950				1		1
3	T. K. Sreeja	-	4	2	13	9	49		180						
4	R. S. Rimal Isaac	1	7	8	28	40	266	45 6	456						
5	M. Prabu	2		-	6	8	90		120						

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Praseetha P.K	DST-FIST	Material Characterization Facility- XRD	2017	2022	77 lakhs
2	Praseetha P.K	TNSCST	Microwave assisted one step green synthesis of Carbon Quantum dots for wound healing applications	2019	2021	3.3 lakhs

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	T.K. Sreeja	ICAISEN21, SRM TRP	performance analysis of wavelet based OFDM infading channel for DVB system.	1 day
2	T.K. Sreeja	ICSRET-2021, SRITW on 12th & 13th Feb 2021	Cluster based VANET communication for Reliable data transmission	2 days

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	R. S. Rimal Isaac	Guest Lecture	Faculty Development Programme on Research Trends in Optics, Photonics and Nano Technology	Nanotechnology Enabled Sensors	10th November 2020, LBS Institute of Technology for Women. Trivandrum, Kerala
2	Praseetha P.K	Resource Person	National Webinar on Future prospects of Nanotechnology and Metabolomics organized by the Department of Biotechnology, Andhra Layola College, Vijayawada	Nanobiotechnology and its applications	06/07/2021.
3	Praseetha P.K	Resource Person	Three Day International Webinar on “Functional materials and their applications (FMA-2021)”, Department of Physics, Andhra Loyola Institute of Engineering and Technology, Kakkinada	Applications of Carbon based Nanomaterials in bio imaging,	25 th to 27 th March 2021

4	Praseetha P.K	Chairpersons	International virtual conference on Advances and Applications in Physics. organized by Research Department of Physics, AVVM Sri Pushpam College, Poondi, Thanjavur.		27 th and 28 th October 2020
5	Praseetha P.K	Resource Person	Webinar on the research prospects organized by Saradha Krishna Homoeopathic Medical College, Kulasekharam,	Possibilities of Homeopathic research in Nanotechnology,	5 th September 2020

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	T. K. Sreeja	REVIEW ON VANET ARCHITECTURE AND APPLICATIONS	Turkish Journal of Computer and Mathematics Education	Vol.12 No.04	2021	1745 – 1749
2	CJ Manjunatha, B Venkata Narayana, D Bino Prince Raja, Rimal Isaac RS	Tribological, Thermal and Corrosive behaviour of aluminium alloy 2219 reinforced by Si ₃ N ₄ nanosized powder	Silicon, ISSN:1876-9918	2021	2021	1-24

3	M Dharani Devi, A Vimala Juliet, RS Rimal Isaac, M Ramudu, V Ganesh, Yugandhar Bitla, IS Yahia	Fabrication of Cost-Effective Nebulizer Sprayed In 2 S 3 Thin Films for Photodetector Applications	Journal of Electronic Materials, ISSN:0361-5235	2021	2021	1-8
4	S Sathish Kumar, N Chidhambaram, Karuppiyah Deva Arun Kumar, RS Rimal Isaac, Ahmed A Abdeltawab, Sayed Z Mohammady, Mohd Ubaidullah, Shoyebmohamad F Shaik	Impact of terbium inclusion on the photodetection performance of ZnO thin films	Semiconductor Science and Technology, ISSN:1361-6641	36	2021	065022
5	NT Manikandanath, RS Rimal Isaac, S Sanjith, P Ramesh Kumar, ES Anooj, Sugumari Vallinayagam	Superb catalytic activity of as-green synthesized copper ferrite's thermal decomposition of ammonium perchlorate	Journal of Molecular Structure, ISSN:0022-2860	1234	2021	130161
6	Sumathy Raj, Divya Muthu, RS Rimal Isaac, Subhashini Ramakrishnan, ES Anooj, Sugumari Vallinayagam	Nanomedicinal evaluation of calotropis procera mediated silver nanoparticle on skin cancer cell line for microbes-front line analysis	Journal of Molecular Structure, ISSN:0022-2860	1235	2021	130237

7	Soma Sundaram Raja, Rajamoni Rajesh, Suyambulingam Indran, Isaac Rimal	Comprehensive Characterization of Industrially Discarded Cymbopogon Flexuosus Stem Fiber Reinforced Unsaturated Polyester Composites: Effect of Fiber Length and Weight Fraction	Journal of Natural Fibers, ISSN:1544-0478	2021	2021	1-16
8	P Diana, S Saravanakumar, K Hari Prasad, D Sivaganesh, N Chidhambaram, RS Rimal Isaac, T Alshahrani, Mohd Shkir, S AlFaify, KS Syed Ali	Enhanced Photocatalytic Decomposition Efficacy of Novel MgO NPs: Impact of Annealing Temperatures	Journal of Inorganic and Organometallic Polymers and Materials, ISSN:1574-1451	2021	2021	1-10
9	RM Nair, B Bindhu, NT Manikandanth, RS Rimal Isaac	An eco-friendly green biopolymer blend for copper corrosion inhibition	Polymer Bulletin, ISSN: 0170-0839	2020	2020	1-16
10	S. Prabhu, S. Vijayakumar, Raju Ramasubbu, P.K. Praseetha, K. Karthikeyan, G. Thiagarajan, J. Suresh kumar and N. Prakash	Traditional uses, phytochemistry and pharmacology of Bauhinia racemosa Lam: a comprehensive review	Future journal of Pharmaceutical sciences 2314-7253	7 (101),	2021	

	Vijayakumar S., E. Vidhya, M. Nilavukarasi, V.N. Punitha and P.K., Praseetha	Potential Eco-friendly Zinc oxide nanomaterials through Phyco-nanotechnology- A review	Biocatalysis and Agricultural Biotechnology 1878-8181	35	2021	
	Vijayakumar S, M. Nilavukkarasi and P.K., Praseetha	Synthesis of MgO nanoparticles through green method and evaluation of its Antimicrobial activities	Vegetos 2229-4473.		2021	
	Loyola Poul Raj, S Gobalakrishnan, P K Praseetha, N Chidhambaram, S Saravanakumar, V Ganesh, S AlFaify, H	Improved ammonia vapor sensing properties of Al-doped ZnO nanoparticles prepared by sol-gel process	Physica Scripta 1402-4896	96(8),	2021	085802
	S. Sebastian, S. Vinoth, K. Hari Prasad, M. S. Revathy, S. Gobalakrishnan, P. K. Praseetha , V. Ganesh & S. Alfaify	Quantitative analysis of Ag-doped SnS thin films for solar cell applications	Applied Physics A	126, 783	2020	03959
	K. Shantha Seelan, K. Ravichandran, P. Kavitha, P. K. Praseetha	Simultaneous doping of higher ionic state metal and surface plasmon resonance inducing element with ZnO: an effective approach to improve photocatalytic dye degradation	Applied Physics A		2020	03938

	V.N. Punitha, S. Vijayakumar, B. Sakthivel, P.K. Praseetha	Protection of neuronal cell lines, antimicrobial and photocatalytic behaviours of eco-friendly TiO ₂ nanoparticles	Journal of Environmental Chemical Engineering	8	, 2020	104343
	D.S. Vasanthi, K. Ravichandran, P. Kavitha, S. Sriram, P.K. Praseetha	Combined effect of Cu and N on bandgap modification of ZnO film towards effective visible light responsive photocatalytic dye degradation	Superlattices and Microstructures	145	2020	106637

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1	E-2/2535/2020-CHE, Status-Applied	Carbon Quantum Dots for healing diabetic wounds,	11/09/2020		

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	T. K. Sreeja, Chandrakala K	Handbook of Research on 5G Networks and Advancements in Computing, Electronics, and Electrical Engineering	IGI Global DOI: 10.4018/978-1-7998-6992-4.ch008	2021

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Stren gth	Enrolment during 2019-20		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme	30	-	01	01			1																		
	PG Courses	18	5	6	11																					
	M.Phil. Programme																									
	Ph.D Programme																									
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UG C online courses offered																									
	Total																									

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	-	-	-			

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1		4		2				-				-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s

17. Placement Details:

Name of the Placement co-ordinator:												
Phone/Mobile Number :e-mail:												
Number of Placement Programmes:												
S. No.	Particulars						Numbers of students placed					
							Male			Female		
1	Number of Students Placed											

2	Number of Placements obtained through Campus Interview		
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)		

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1			

20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.

S.No	Name	Date	
1.	Course Committee Programme Committee etc.		

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1.	Nano Characterization Lab	X-Ray Diffractometer	1	Research
2.	Nano Characterization Lab	TG/DTA	1	Research
3.	Nano Characterization Lab	Electrochemical Workstation	1	Research
4.	Nano Characterization Lab	AFM	1	Research
5.	Nano Characterization Lab	UV-vis Spectrophotometer	1	Research
6.	Nano Characterization Lab	Particle Size Analyzer	1	Research

7.	NanoC haract erizatio n Lab	Surface Area Analyzer	1	Research
8.	NanoC haract erizatio n Lab	Ball Mill	1	Research
9.	NanoC haract erizatio n Lab	High Temperature Furnace	1	Research
10.	NanoC haract erizatio n Lab	RAMAN	1	Research
11.	NanoC haract erizatio n Lab	FTIR	1	Research

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	631	7	No. of titles available	625
2	Books added during the year 2018-19	-	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/Magazines	-	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	-	11	Average No. of books Issued per day	-
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	-	12	Availability of Language Lab	-
			13	NDL membership 1. Faculty members 2. Students	-

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24.Collaborative Researches :|

25.Consultancies :

Testing and Analysis Service: Amount Generated, Rs. 1,81,575.00

26.No. of NET/SET/GATE/CSIR Qualified students:NIL

27. MOUs signed :

Name of the Organisation/ Institution/ Industry with whom MoU is signed	Year of signing MoU	Duration of MoU	List the actual activities under each MOU year wise
Matrics- Materials Research and Innovation Centric Solutions, Aanavalli, Kalpadi, Kanyakumari district	15th February 2021	5 years	Instrumentation consultancy and services

28. Innovations and Best Practices :

29. Academic Flexibility :

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
1	B.Tech	NPTEL	-	-

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	
2	Precautions taken during University Examinations / Evaluations	
3	Helpline nos.	
4	Permission to work from Home	
5.	ICT / Online class Initiatives	
6	Quality Mandate committees	
7	Stay Safe – switching off the lights	
8	Nomination of Counselors for Mental Health and well being	
9	Downloading Aarogya Sethu	
10	Revised Academic Calender	
11	Guidelines on Examinations and SOP	
12	Formation of Grievance Committee	
13	Circular on Flexible fee payments	
14	Conduct of Webinars and Video Conferences	
15	Terminal Semester Examinations	
16	Popularising online Courses	
17	MANODARPAN	
18	Awareness on Covid 19	
19	Provision of Quarantine Facilities / Support	

NAME OF THE DEPARTMENT:PHYSICS**1. Department Details :**

Name of the School	School of Science and Humanities
Name of the HOD, Phone No. and E-mail ID	Dr. B. Bindhu, 9500427092, bindhub@niuniv.com
Year of Establishment	1989
Telephone Number	
Website / E mail	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	Dr. B. Bindhu	M.Sc., M.Phil., Ph.D	Professor and Head of the Department	Material science, 2D materials, Polymer nanocomposites	17 yrs 1 months	12 years	bindhub@niuniv.com , 9500427092
2.	Dr.V.N.Meena Devi	M.Sc., Ph.D.	Associate Professor	Bio-energy, Environmental physics	16 years 4 months	15 years 8 months	vndevi@gmail.com 9150235295
3.	Dr. R. Ganapathi Raman	M.Sc., M.Phil., Ph.D	Associate Professor	Crystal Growth, Nano materials, DFT	11	15	ganapathiraman@niuniv.com 9976715576
4.	Dr. C. Sagi Rani	M.Sc., M.Phil., B.Ed., Ph.D	Assistant Professor	Materials Science	12 yrs 8 months	11	sagi_msu@yahoo.co.in 9750868394
5.	Dr.N.Y.Sugirthasuni	M.Sc., M.Phil., B.Ed.	Assistant Professor	Materials Science	12 years and 1 month	8	sugirthasuni@yahoo.in
6.	Mrs. I. Mani Prabha	M.Sc., M.Phil., B.Ed.	Teaching Assistant	Material Science	3yrs 8 months	1	prabhajinu2014@gmail.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1.	Dr. B. Bindhu	-	4	8	39	25	92		276.16	-	14	1	3	-	8
2.	Dr.V.N.Mee na Devi		6		6		28		188.77						6
3.	Dr.R. Ganapathi Raman		9	6	65	84	389		198.25	-	8	1	7	8	7
4.	Dr.C.Sagi Rani	-	2	-	5		1		156.33						
5.	Dr.N.Y.SugirthaSuni	-	1	1	4		1		180.5						
6.	Mrs. I. Mani Prabha	-	-	-	-	-	-		120.33	-	-	-	-	-	-

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. B. Bindhu	Conference on Radiation in Health Care (CRHC 2021)	Montecarlo simulation of Lung SBRT plans using PRIMO Monte Carlo Code and its validation against Acuros® XB.	26-30 April 2021
		ATAL-FDP on Green Technology and Sustainability Engineering		5-9 July 2021
		Association of Indian Universities and Martha Farrell Foundation Safe Campus Program		30th -31st July 2021

2.	Dr.V.N.Meena Devi	One day Online Workshop On E Laboratory and Virtual Lab for Online execution Of Programming based practicals		2 nd Aug 2020
		National Workshop On “Google Apps For Education and moodle		2 nd & 3 rd July 2020
		Online Faculty Development Programme on “Enhancing Educational Practices to Meet Industrial Challenges”		3rd to 5th July 2020.
		One Week Workshop on “Materials Technology Advancement in current Scenario – MTACS-2020”		4th to 10th July 2020.
		Open source software for econtent development - OBS studio		6th July, 2020.
3.	Dr. R. Ganapathi Raman	International Virtual Conference on Smart Advanced Material Science and Engineering Applications (IVCSAMSEA) 2020 organized by Department of Physics, KLEF, Guntur, India, during	GROWTH AND CHARACTERIZATION OF 3,5-DIISOPROPYL-2-HYDROXYBENZOIC ACID –AN ORGANIC NONLINEAR OPTICAL CRYSTAL	03rd – 05th December , 2020.
		5 Days Online FDP on Design thinking and Innovation Management organized by AICTE Training And Learning (ATAL) Academy & AICTE (All India Council for Technical Education) at VIT Business School, VIT, Vellore		14 th – 18 th Sep 2020.
		Faculty Development Program on Entrepreneurship Development sponsored by DST, Govt. of India, organized by Centre for Incubation, Adams University, Kolkatta		8 th Feb 2021 to 20 th Feb 2021
		9 Hours of Faculty Development Program on Digital Marketing (Online Live FDP) conducted by ICT Academy		06 May 2020 to 12 May 2020
		One week national level online faculty development program on innovation to academicians organised by new generation innovation and		11.5.2020 to 16.5.2020

		entrepreneurship development centre, Ramachandra College of Engineering sponsored by National Science and Technology Entrepreneurship Development Board (NSTEDB), DST, India		
		INDIAN SUMMER SCHOOL ON CRYSTAL GROWTH (ISSCG-2020) Organized by SSN Research Centre, SSN Institutions, Chennai-603110, Tamil Nadu, India In association with Indian Association for Crystal Growth (IACG)		14-23 MAY 2020
4.	Dr.C.Sagi Rani	National Level Virtual Short-Term Training Program on “Molecular Simulation: From Chemical Structure to Green Separation Process		20-22 July, 2020
		Five days FDP programme on “trends and Technologies in digital era”		27-31 st July 2020
5.	Dr.N.Y.SugirthaSuni	Online Short Term Training Program on “Real Time Simulation and Application for Renewable Energy System”		13 th – 15 th July 2020
		Online Faculty Development Programme under the title “Industrial Safety - Concepts and Techniques”		15th to 19th July, 2020
		A Five Day Short Term Training Program (STTP) on “Challenges and Research Opportunities in the area of Communication & Signal Processing”		20th to 24th July, 2020
		“Faculty Development Program - Emerging Areas of Research in Science and Environment”		05.06.2021 & 07.06.2021
		“Two-Days Online Workshop on Universal Human Values”		10.06.2021 & 11.06.2021
6.	Mrs.I.ManiPrabha	FDP On Universal Human Values for DEEKSHARAMBH		21 st to 25 th Sep 2020
		International Conference On “Sustainable materials and technologies for Bio and Energy applications”		20 th May 2021

		FDP On “Research Funding Projects & IPR (Part II)”		7 th to 9 th June 2021
		Two days Online Workshop On Universal Human Values		10 th to 11 th June 2021

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr. B. Bindhu	External expert	DC meeting	Ph.D programme	St Jude's college, Thoothoor on 13/1/2021, 11 am
2	Dr.V.N.Meena Devi	Resource Person	National Webinar	National Webinar On “ Recent Trends in green energy harvesting technology	Department Of Physics, JP College Of Arts & Science ,Ayikudi on 23-4-2021
3	Dr. R. Ganapathi Raman	Technical Committee Member	International Conference	International E-Conference on Advances in Materials Science (ICAMS 2021), Department of Physics, Manonmaniam Sundaranar University	March 24-26, 2021.
		Session Chari	International Conference	International E-Conference on Advances in Materials Science (ICAMS 2021), Department of Physics, Manonmaniam Sundaranar University	March 24-26, 2021.
		Resource Person	IIC	Need of Innovation in Higher Education Students	Department of EEE, University College of Engineering, Nagercoil on 24.7.2020
		Resource Person	IIC	Innovation Ambassador Talk Series	Institution's Innovation Council, Noorul Islam Centre

					for Higher Education on 30.7.2020
		Resource Person	Two days online workshop	"Research Tools and Techniques for Material Characterization"	Department of Physics in Association with IQAC, The MDT Hindu College Tirunelveli on 31.7.2020
		Resource Person	EDII-TN Talk Series	Need of Innovations for Higher Education Students	EDII Kanyakumari Hub, University College of Engineering, Nagercoil on 14.8.2020
		Session Chair	International Virtual Conference		Department of Physics and Mathematics, PRDS College of Arts and Science, Kerala 6 th Oct 2020.
		Resource Person	IIC	Prototyping for Business Model	AlagappaChettiar Government College of Engineering and Technology, Karaikudi, 14.7.2021

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period
1.	Dr. B. Bindhu	National Conference on Physics of Functional Materials	National	24th February 2020
2.	Dr. R. Ganapathi Raman	Carrier opportunities in Physics	National	2.6.2021 5.6.2021, 21.6.2021

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	Swapna Lilly	Analysis of the	Journal of	14,9	2020	1310-1314

	Cyriaca, Bindhu .B , Midhun C.V , M. M. Musthafa	Projectile Angle Dependence of Pulse Shapes from a Nano- Porous Silicon Charged Particle Detector	Xidian University, 1001-2400			
2	Renjini M. Nair, B. Bindhu , Susmi Anna Thomas	Hydroxylation of boron nitride nanosheets	AIP Conference Proceedings	2265	2020	030695
3	Renjini M. Nair , B. Bindhu	An eco-friendly green biopolymer blend for copper corrosion inhibition	Polymer Bulletin ISSN 0170-0839		2020	https://doi.org/10.1007/s00289-020-03491-y
4	Swapna Lilly Cyriac, Bindhu .B , Midhun C.V, M. M. Musthafa	Analysis on the Influence of Varying Etching Parameters for the Synthesis of Perforated Si Nano Structures	Solid State Technology	63, 5	2020	4028-4032
5	Swapna Lilly Cyriac, B. Bindhu , C. V. Midhun, M. M. Musthafa	Emerging Trends in Nano Structured Silicon Detectors for Neutron Spectroscopy	Silicon		2021	https://doi.org/10.1007/s12633-021-00961-4
6	KalyaniSreekumar, B Bindhu and K Veluraja	Perspectives of polylactic acid from structure to applications	Polymers from Renewable Resources	12	2021	60-74
7	Vishnu S. Sur endran · B. Bindhu , · C. R. Indulal · T. S. Krishna kumar	Highly Stable ZrO ₂ /Silicone Oil Nanofluid for Cutting Fluid Applications	Arabian Journal for Science and Engineering		2021	https://doi.org/10.1007/s13369-021-05907-x
8	V.S. Murali and V.N. Meena Devi	Functional characterization, phytoconstituents, Antioxidant and antimicrobial	Plant Archives	20 No. 2, 2020 pp. 6077- 6083	2020	e- ISSN:2581- 6063 (online), ISSN:0972- 5210

		activity of leaf extract Of syzygiumaromaticum				
9	Smitha. H, Meena Devi V.N , Vinoo Jacob, Sreekanth.K. S	Evaluation Of Signal Intensity For Differential Diagnosis Of Brain Lesions In Magnetic Resonance Imaging	International journal of scientific & technology research ISSN 2277-8616	Volume 9 , ISSUE 4	2020	
10	V.S. Murali and V.N. Meena Devi	Phytochemical screening, FTIR spectral analysis, antioxidant and antibacterial activity of leaf extract of Pimentadioica Linn	Materials Today: Proceedings		2021	DOI:10.1016/j.matpr.2020.10.038
11	P S RenilMon, VNMeenaDevi , SajuBhasi and Sneha S Nair	Monte Carlo calculated detector-specific correction factors for Elekta radiosurgery cones	Biomed. Phys. Eng. Express 7 (2021) 025015	volume 7	2021	https://doi.org/10.1088/2057-1976/abe2bb
12	L Guru Prasad & R Ganapathi Raman	Physico chemical properties of p Hydroazobenzene: A nonlinear optical crystal (Article Id: IJPAP-6506)	Indian Journal of Pure and Applied Physics ISSN: 0975-1041 (Online) ISSN: 0019-5596 (Print)	Vol. 59, February 2021,	2021	pp. 138-142
13	Arockiasamy Ajay Praveenkumar, A. Sandy Subala, K.V. Anand, R. Ganapathi Raman ,	Synthesis, spectroscopic analysis and NLO properties of 4-(4-N-Hexyloxyphenyl)-2-Methyl-3-Butyn-2-OL (4HP2M3B) by quantum mechanical calculations,	Materials Today: Proceedings, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.11.900 .	Volume 45, Part 2, 2021,	2021	Pages 2902-2907,

14	M. MuhammedS hameem, S.M. Sasikanth, Raja Annamalai, R. Ganapathi Raman,	A brief review on polymer nanocomposite s and its applications,	Materials Today: Proceedings ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.11.254 .	Volume 45, Part 2,	2021,	Pages 2536-2539,
15	Anand Sandy Subala, KalaiselviVela yuthamAnand , Arockiasamy Ajay Praveenkuma r, R. Ganapathi Raman,	Synthesis and characterizatio n of liquid crystal compounds based on azo group,	Materials Today: Proceedings ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.12.058 .	Volume 45, Part 2	2021	Pages 3042-3046,
16	N.Y. SugirthaSuni, L. Guru Prasad, C. Brintha Malar, Arockiasamy Ajay Praveenkuma r, R. Ganapathi Raman,	Theoretical studies on 3-bromo-2-methoxybenzo nitrile using density functional theory,	Materials Today: Proceedings ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.11.502 .	Volume 45, Part 2,	2021,	Pages 2622-2628,
17	R, Vysakh; Musthafa, Mohamed; C V, Midhun; Puzhakkal, Niyas; P T, Anjana; Krishnan M P, Arun ; C P, Ranjith; M P, Irfad ; R, Ganapathi Raman	Experimental determination of thermal neutron fluence around Elekta Versa HD linear accelerator for various photon energies	Biomedical Physics & Engineering Express Publisher: IOP Publishing Ltd, Temple Circus, Temple way, Bristol, England DOI: https://doi.org/10.1088/2057-1976/abac90 ISSN / eISSN: 2057-1976	6(5)	2020	
18	L Guru Prasad, T	Investigation on the	JOURNAL OF OVONIC	17(2)	2021	209-216

	Janeba, R Ganapathi Raman	physicochemical properties and antibacterial activity of pure and Zn doped CuO nanoparticles	RESEARCH			
19	Vysakh R R Ganapathi Raman Niyas P Aflah M M Musthafa M P Arun Krishnan C P Ranjith P T Anjana	Statistical process control in monitoring radiotherapy quality assurance program: An institutional experience	Iranian Journal of Radiation Therapy 0.22038/IJMP.2021.55869.1931		2021	
20	N.Y. Sugirtha Suni , L. Guru Prasad, C. Brintha Malar, Arockiasamy Ajay Praveenkumar, R. Ganapathi Raman,	Theoretical studies on 3-bromo-2-methoxybenzo nitrile using density functional theory,	Materials Today: Proceedings ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.11.502 .	Volume 45, Part 2,	2021,	Pages 2622-2628,

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1.	Student Independent Patent	CO ₂ Absorbing ECO-Friendly Device Using Air Pump and Air Flow Technique	19-04-2021	202141017983	U/S(11 A)

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sanctioned Strength	Enrolment during 2020-21		Total	Community														Existing Students, Strength						Pass Percentage of outgoing batch
			F	M		OC		BC		BCM		MBC/DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme																									
	PG Courses	25	17	1	18		2	1	15										1	9						90
	M.Phil. Programme		-	-																						
	Ph.D Programme		1	5	6			1	5																	
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UGC online courses offered		3	1															1	9						
	Total		21	7	24		2	2	20										2	18						

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1.	M.Sc Physics	Indian	Kerala	1	5	6
2.	Ph.D	Indian	Kerala	4	1	5

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.			
		Total		Total	FT	PT	Total		FT	PT	Total
1.			Male	1	-	-	-	Male		1	1
			Female	8	-	-	-	Female		1	1

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	DST-INSPIRE	JRF		1	1

15.Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1.	M.Sc	18	18			10	9	10	10								

17. Placement Details:

Name of the Placement co-ordinator: Dr.V.N.Meena Devi																	
Phone/Mobile Number :e-mail: vndevi@gmail.com																	
Number of Placement Programmes:																	
S. No.	Particulars							Numbers of students placed									
								Male					Female				
1	Number of Students Placed							-					3				
2	Number of Placements obtained through Campus Interview							-									
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)												3/10=30%				

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	Dr.B.Bindhu	Secured S Grade in CSIR – SRTTP 2020 Activities	CSIR –SRTTP 2020
2.	Dr.R.Ganapathi Raman	Certificate of Excellence in Reviewing	Asian Journal Of Advanced Research and Reports
		Certificate of Excellence in Reviewing	European Journal Of Nutrition and Food Safety
		Certificate of Excellence in Reviewing	Journal Of Engineering Research and Projects
		Certificate of Excellence in Reviewing	Asian Journal Of Research in Biochemistry
3.	Dr.C.Sagi Rani	Certificate of Excellence in Reviewing	Journal Of Engineering Research and Reports

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Sarin B	Best Oral Paper Presentation for "Montecarlo Simulation of Lung SBRT Plans using PRIMO Monte Carlo Code and its Validation against AcurosRXB "On Conference on radiation in Health Care (CRHC 2021) On the occasion of International Medical Physics Week	Department Of Radiological Physics , SMS Medical College And Hospital, Jaipur
2.	Shamsiya Shams	DST-INSPIRE	Department Of Science and Technology
3.	Abin C Lal	"Introduction to Atmospheric and Space Sciences	NPTEL

**20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.**

S.No	Name	Date:Odd SEM	Date:Even SEM
1.	BOS		21-06-2021
2.	Course Committee	25-01-2021	
3.	Class Committee	25-01-2021(S1), 09-01-2021(S3)	19-04-2021(S2), 26-03-2021(S4)
4.	Programme Committee	11-02-2021(S1), 10-01-2021(S3)	21-04-2021(S2), 28-03-2021(S4)

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: N.Y.SugirthaSunil

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	662	7	No. of titles available	-
2	Books added during the year 2018-19	16	8	No. of CDs and Digital Books available	30
3	No. of Indian Journals/Magazines	34	9	No. of Foreign Magazines/Journals	11
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	-	11	Average No. of books Issued per day	-
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	-	12	Availability of Language Lab	-
			13	NDL membership 1. Faculty members 2. Students	1.4

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24.Collaborative Researches :1

25.Consultancies :

26.No. of NET/SET/GATE/CSIR Qualified students:

27. MOUs signed :

28. Innovations and Best Practices :

29. Academic Flexibility :

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed
1.	Numerical Methods	NPTEL	8	-
2.	Quantum Mechanics I	NPTEL	2	
3.	"Introduction to Atmospheric and Space Sciences	NPTEL	2	1
4.	Optical Sensors	NPTEL	4	-

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Conducted
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Implemented
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	Constituted
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Constituted
9	Downloading AarogyaSethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidelines on Examinations and SOP	Implemented
12	Formation of Grievance Committee	Constituted
13	Circular on Flexible fee payments	Implemented
14	Conduct of Webinars and Video Conferences	Conducted
15	Terminal Semester Examinations	Conducted
16	Popularising online Courses	Implemented
17	MANODARPAN	
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Implemented

NAME OF THE DEPARTMENT: SOFTWARE ENGINEERING

1. Department Details :

Name of the School	Faculty of Computer Science
Name of the HOD, Phone No. and E-mail ID	Dr. J.P. Jayan, 9486856112, hodmsc@niuniv.com
Year of Establishment	2011
Telephone Number	04651 – 250566
Website / E mail	www.niuniv.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					teaching	research	
1	Dr. J. Charles	M.Sc., M.Tech., Ph.D	Associate Professor	Software Engineering	30Y	6 Y	9443518604 9486856107 jebapillaicharles@rediffmail.com
2	Dr. S. Jerine	M.Sc., M.Phil, Ph.D.	Associate Professor	Network Security	16Y 4M	5 Y	9486007267 jerine@niuniv.com
3	Dr. J. P. Jayan	M.C.A., M.Phil., Ph.D	Associate Professor	Image Processing	15Y	7 Y	hodmsc@niuniv.com 9486856112
4	Dr. V. Alan GowriPhivin	M.C.A., M.Phil, Ph.D	Assistant Professor	Image Processing	15Y	5 Y	9442130260 alanshaney@gmail.com
5	Mr. WiselingLasarus	M.C.A., M.Phil, (Ph.D)	Assistant Professor	Image Processing	3Y	--	7598054160 mcalazarus@gmail.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	20-21	Cumulative	M. Phil	Ph.D.
1	Dr. J. Charles	1	2	2	5	0	0	150		0	3	0	0	1	5
2	Dr. S. Jerine	0	0	1	5	0	0	135		1	15	0	0	1	5
3	Dr. J. P. Jayan	1	3	2	35	4	37	150		1	18	0	0	1	2
4	Dr. V. Alan GowriPhivin	0	0	1	10	0	0	135		0	13	0	0	0	0
5	Mr. WiselingLasarus	0	0	0	1	0	0	120		0	0	0	0	0	0

4.. Research Schemes/Projects undertaken : Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						

5. a) Participation of the Faculty members presented papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. S. Jerine	International Web Conference on Advances in Sustainability of Materials and Environment (IWCASME'20), St. Xavier's Catholic College of Engineering, Chunkankadai	Wireless Body area Network Transmissions for IOT- based Healthcare Network: A review	17 th & 18 th September 2020

b) Foreign Faculty/Expert visit to the Department: Nil

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr. J.P. Jayan	Resource Person	Webinar	Mobile Application Using Android	PET Engineering College, Valliyoor 25-06-2021

7. Details of Seminars, Conferences and Refresher courses Organised: Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organised	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	S. R. Sagithra, S. Jerine	Design of Secure Access Control Method for Mobile Cloud Computing	DogoRangsang Research Journal (UGC care group I Journal) ISSN: 2347-7180	Volume: 10, Issue: 8, no: 2	August 2020	Pp: 115- 123

2	Prabha Dr. J. P. Jayan	Traffic Sign Detection, Tracking and Recognition for Text Based Using Segmentation Detection	DogoRangsan g Research Journal ISSN : 2347-7180	Vol-10 Issue-08 No. 06	August 2020.	Pp: 343- 350
3	S. Palanikumar, S. Albert Jerome and J.P. Jayan	Automatic detection of solitary pulmonary nodules using superpixels segmentation based iterative clustering approach"	Journal of Ambient Intelligence and Humanized Computing, https://doi.org/10.1007/s12652-021-03148-2,	Vol-12 Issue-08	March 2021.	Pp: 2143-2150

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1	Dr. J. P. Jayan	Treatment Advisor Machine	14-10-2019	201941041409	Published on 16/04/21

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Sancti oned Streng th	Enrolment during 2020-21		Total	Community														Existing Students, Strength						Pass Percenta ge of out going batch
			F	M		OC		BC		BCM		MBC/ DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
	UG Programme																									
	PG Courses	30	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-	-	-	-		4	4	100
	M.Phil. Programme	20	1	1	2	-	-	-	2	-	-	-	-	--	-	-	-	-	-	-	-	-	-	-	-	100
	Ph.DProgram me		2	2	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	Diploma Certificate Courses (if any)																									
	MOOC/NPTEL/UGC online courses offered																									
	Total	50							6															4	5	

12. Enrolment of Students from Overseas and other States: Nil

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.				Ph.D.			
		Total		Total		FT	PT	Total		FT	PT	Total
1	-	-	M.Sc. SE	8	CS	6	0	6	CS	1	1	2

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded : Nil

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15. Scholarships Awarded: Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	M.Sc SE	-	-	-	-	-	-	-	-	-	-	-	-	08	04	08	08
2	M.Phil CS	02	02	02	-	-	-	-	-	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator:												
Phone/Mobile Number :e-mail:												
Number of Placement Programmes:												
S. No.	Particulars				Numbers of students placed							
					Male		Female					
1	Number of Students Placed				00		00					
2	Number of Placements obtained through Campus Interview				00		00					

3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	--	--
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18. Outstanding achievements by the Faculty Members: Nil

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students: Nil

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meetings Held :
BOS, Programme Committee, Course Committee etc.**

S.No	Name	Date	
1	Board of Studies	31/05/2021	
2	Programme Committee	05/09/20, 30/10/20	
3	Class committee	02/08/20, 24/10/20	
4	Department Meeting	29/12/21, 14/05/21, 21/5/21	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) : Nil

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out : Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1059	7	No. of titles available	113
2	Books added during the year 2018-19	10	8	No. of CDs and Digital Books available	42
3	No. of Indian Journals/Magazines		9	No. of Foreign Magazines/Journals	-
4	No. of data bases available		10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	07	11	Average No. of books Issued per day	01
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	100 mbps	12	Availability of Language Lab	-
			13	NDL membership 7. Faculty members 8. Students	

24. Information and Communication Technology Resources: (Merged with MCA Lab)

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24.Collaborative Researches : Nil

25.Consultancies : Nil

26.No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices :

- Usage of Visual aids in Teaching
- Improved Teaching based on student feed back
- Guest Lectures

29. Academic Flexibility : Nil

S.No	Courses offered	Platform (MOOC, NPTEL, etc.)	No. Students enrolled	No. of Students Passed

30. Strategies adopted by your Department to overcome the difficulties faced during various phases of COVID 19 lockdowns

S.No.	Measure adopted	Remarks (Implemented, Constituted, Conducted, not Implemented)
1	Advisory on Corono virus (COVID 19)	Implemented
2	Precautions taken during University Examinations / Evaluations	Implemented
3	Helpline nos.	Constituted
4	Permission to work from Home	Implemented
5.	ICT / Online class Initiatives	Implemented
6	Quality Mandate committees	not Implemented
7	Stay Safe – switching off the lights	Implemented
8	Nomination of Counselors for Mental Health and well being	Constituted
9	Downloading AarogyaSethu	Implemented
10	Revised Academic Calender	Implemented
11	Guidlines on Examinations and SOP	Implemented
12	Formation of Grivance Committee	Constituted
13	Circular on Flexible fee payments	
14	Conduct of Webinars and Video Conferences	Implemented
15	Terminal Semester Examinations	Implemented
16	Popularising online Courses	Implemented
17	MANODARPAN	
18	Awareness on Covid 19	Implemented
19	Provision of Quarantine Facilities / Support	Constituted

**INDUSTRY, INSTITUTE, INTERFACE (III) AND TRAINING
AND PLACEMENT DIVISION (2020-21)**

Name of the Director	Prof.M. Sivathanu Pillai
Name of Placement Officer	Part-time deployment from other departments: Dr.B.Stanley Jones Retnam (Automobile), Dr. K.SivaSankar (Information Technology)
Phone No.	9486856114
Contact Fax number	04651-257266, 250266
e-mail ID/ Website	placement@niuniv.com / www.niuniv.com
Special status if any	

1. Details of the Faculty/Staff members :

S.N o.	Name	Qualification	Designation	Experience	E-mail, Phone, Cell No.
1	Prof. M. Sivathanu Pillai	M.Com' FBIM ((London)	Director-III	55 years	9489435702, directoriii@niuniv.com
2	Dr. K. SivaSankar	M.E., Ph.D, MBA	Asso Prof& Placement Officer	15.5years	9442229791, sivasankar@niuniv.com
3	Dr. B. Stanly Jones Retnam	M.E., Ph.D, MBA	Asso Prof& Placement Officer	14.5years	9442291989, bsjsjr@gmail.com
4	Ms. N.V. Rajeswari	SSLC, Short hand Tamil & English Higher	Typist	35 years	9486516952 nvrajeswari59@gmail.com
5	Mr. V.M. Satheesh	B.sc Computer Science	Junior Assistant	13 Years	satheesh.vmkumar@gmail.com, 6381259817

2. Details of the Programmes conducted for the Faculty Members

S.No.	Programme title	Nature of the Programme	Dates	Venues	No. of faculty members Participated

3. Details of the Programmes conducted for the students on Career Development

S.No.	Programme title	Nature of the Programme	Dates	Venues	No. of students Participated
1	TCS - Pre Placement	Numerical Ability	14.10.2020 to	Placement Cell	97

	Training	Reasoning Ability VerbalAbility C- Programming Language Data Structures	22.10.2020	(Online)	
2	Overseas Prospects in Higher Education	Career Guidance	22.3.2021	Placement Cell	27
3	Safety in Constructions	Industrial Training	23.3.2021	Placement Cell	40
4	10-Weeks Online Training Programme	Integrated knowledge in Software	24.4.2021 to 27.06.2021	Online	86

4. Details on Internships obtained

S.No.	Organisation	No. of Internships obtained	Duration of Internship
1	NIMS Hospital, Neyyattinkara.	8	9.12.2020 to 30.12.2020
2	Travancore Medical College Hospital, Thattamala, Kollam	1 3	15.12.2020 to 27.12.2020 24.03.2021 to 24.04.2021
3	The Government Medical College,Ulloor, Trivandrum	3	23.12.2020 to 1.1.2021
4	SreeGokulam Medical College, Venjaramoodu, Trivandrum	3	10.03.2021 to 10.04.2021
5	GG Hospital,Pattom, Thiruvananthapuram.	1	15.3.2021 to 15.4.2021
6	Valiyath Institute of Medical Science,Karunagapalli	1	15.3.2021 to 15.4.2021
7	Travancore Medical College Hospital,Mylapore	1 3	15.3.2021 to 15.4.2021 19.3.2021 to 19.4.2021
8	PRS Hospital, Killipalam, Karamana, Trivandrum	1 2	15.3.2021 to 15.4.2021 17.3.2021 to 17.4.2021
9	Cosmopolitan Hospital,Pattom, Trivandrum	1	15.3.2021 to 15.4.2021
10	VPS Lakeshore Hospital, Kochi	3 3	17.3.2021 to 14.4.2021 18.3.2021 to 18.4.2021
11	Peace Health Centre, Tirunelveli-627 005	1	15.3.2021 to 15.4.2021
12	Pushpagiri Medical College Hospital,Thiruvalla	3	14.3.2021 to 14.4.2021
13	SreeChitraTirunal Institute for Medical Science & Technology, Trivandrum.	1	14.3.2021 to 14.4.2021
14	RenaiMedicity, Edapally, Ernakulam	1	17.3.2021 to 17.4.2021

15	Dr. Jeyasekharan Medical Trust, Nagercoil.	3	15.3.2021 to 15.4.2021
16	Columbia Asia Hospital, Hebbal, Bangalore.	2 3	16.3.2021 to 16.4.2021 20.3.2021 to 20.4.2021
17	Jetwings Technologies, Bangalore.	2	18.3.2021 to 18.4.2021
18	Sanjivani Multi Speciality Hospital, Chengannur.	1	22.3.2021 to 22.4.2021
19	Government Taluk Hospital, Chirayinkeezh, Attingal	2	22.3.2021 to 22.4.2021
20	BGS Global Institute of Medical Science, Bengaluru.	7	22.3.2021 to 22.4.2021
21	Galaxy Hospital, Vannarpettai, Tirunelveli.	6	23.03.2021 to 27.04.2021.
22	SreeUthradamThirunal Hospital (SUT), Trivandrum.	4	29.3.2021 to 9.4.2021
23	Azeezia Medical College, Kummalloor, Meeyannoor.	5	7.4.2021 to 17.4.2021
24	Vizhinjam Research Centre of Central Marine Fisheries Research Institute, Trivandrum.	7	27.3.2021 to 02.4.2021 29.3.2021 to 18.4.2021
25	Chandrasekharan Nair Stadium, Palayam, Trivandrum	4	2.4.2021 to 30.4.2021
26	National Institute of Speech and Hearing (NISH), Trivandrum.	4	2.4.2021 to 30.4.2021
27	Government Dental College, Chalakkuzhi, Trivandrum	4	3.4.2021 to 3.5.2021
28	NS Memorial Institute of Medical Science, Thattamala, Kollam.	3 2	7.4.2021 to 24.4.2021 5.4.2021 to 23.4.2021
29	Biogenix Research Centre, BRMAS Institute, KRPABI, Poojapura, Trivandrum	7	19.4.2021 to 24.4.2021
30	Muthoot Hospitals, Kozhencherry.	2	7.4.2021 to 17.4.2021
31	Amrita Institute of Medical Science, Kochi	3	14.4.2021 to 1.5.2021
32	AK Info Park, Parvathipuram, Nagercoil	2	23.4.2021 to 1.5.2021
33	SVMA Agro Products Pvt. Limited,	1	23.4.2021 to 30.4.2021
Total		114	

5. Details of the Placement interviews organised

S.No.	Title of the Interview	Prospective Employer Name	Dates	Venue	No. of students participated
1.	GESCO Healthcare Private Ltd., Chennai.	Mr. Vinothraj Manager-HR	24.3.2021	Placement Cell	10

6. Details of MOUs signed

7. Details of the Finishing School/ Certificate course conducted

S.No.	Name of the Programme	No. of Students Participated	No.of Students Passed

8. Summery Statistics on placement during 2020-21

S.No.	Particulars	
1	Placement Interview On Campus Off Campus	1 Nil
2	No. of companies visited	1
3.	No. of students attended the placement interviews	10
4.	No. of eligible students	94
5.	Eligible students ratio	4.5:1
6.	Job offers received	6
7.	Offer per eligible student	0.064
8.	Salary Range (Rs. in lakhs)	Rs.13000/- p.m.
9.	Mean salary offered	Rs.13000/- p.m.
10	Job offers obtained for outside students	6

9. Other Details :

The Department of Placement and Training organized International Yoga Day in our campus on 1.6.2021. The program was held in Placement Department. Nearly 20 Faculty members and 100 students (online) participated in this event from various departments.

Department of Physical Education

Annual Report 2020-2021

Director	Dr. R. Dharmaraj
Assistant Director	Mr. M. Raja Paul
Phone No.	9486856102
E-mail/ Website	sports@niuniv.com

1. Activities/ Events Conducted/ Organised

Sl.No.	Particulars	Date	Venue	No. of participants
1	District Level Open Volleyball Tournament for Men	19-03-2021 to 20-03-2021	NICHE, Kumaracoil	350

2. Activities/ Events Participated : Nil

Sl.No	Particulars	Date	Venue	No. of Participants
	Nil			

3. Honors/ Awards/ Prizes won

Sl.No.	Participants	Date	Venue	Nature of Ward
1	District Level Open Volleyball Tournament for Men	19-03-2021 to 20-03-2021	NICHE, Kumaracoil	First Prize

4. New Sports facilities added : Nil

5. Status of Implementing FIT India Programme : Nil

6. Any other information : Nil

Annual Report Details for 2020-21 for the Office of Controller of Examinations

1.

Name of the Office	Controller of Examinations
Name of the COE	Dr.RM.Chandrasekar
Name of the Additional COE	Dr.M.K.Jeyakumar
Phone No.	9486856115
Website/ E-mail	www.niuniv.com / coeniu@gmail.com

2. Convocation Details

1. Number of Convocation : XI Convocation Not yet conducted
2. Chief Guest :

3. Candidates Admitted for the 11th Convocation: -

S.No.	Department	UG	PG	M.Phil.	Ph.D.	Total
1.	Faculty of Aeronautical and Space Technology					
2.	Faculty of Civil Engineering					
3.	Faculty of Computer Science					
4.	Faculty of Electrical and Electronics Engineering					
5.	Faculty of Information and Computer Engineering					
6.	Faculty of Management Studies					
7.	Faculty of Mechanical Engineering					
8.	Faculty of Science and Humanities					
9.	Faculty of Technology					
10.	Faculty of Marine Engineering					
11.	Faculty of Allied Health Sciences					

3. Examination Results December 2020:

S. No	Course	S1				S3				S5				S7				S9			
		Stren gth	App	Pass	Pass %	Stren gth	App	Pass	Pass %	Stren gth	App	Pass	Pass %	Stren gth	App	Pass	Pass %	Stren gth	App	Pass	Pass %
1.	B.E./B.Tech ./BBA/B.Com/B.Sc	247	247	226	91	474	474	300	63	448	448	270	60	346	346	275	80	-	-	-	-
2.	M.E./M.Tech/MBA/MCA/M.A./M.Sc	255	255	221	87	111	111	94	85	11	11	11	100	8	8	7	88				
3.	M.Phil	9	9	8	89	-	-	-	--	-	-	-	-	-	--	-	--	-	-	-	-

4. Examination Results May 2021:

S.N o	Course	S2				S4				S6				S8				S10			
		Stren gth	App	Pass	Pass %	Stren gth	App	Pass	Pass %	Stren gth	App	Pass	Pass %	Stren gth	App	Pass	Pass %	Stren gth	App	Pass	Pass %
1.	B.E./B.Tech/ BBA/ B.Com /B.Sc	-	-	-	-	-	-	-	-	163	163	159	98	310	310	306	99				
2.	M.E./M.Tech / MBA/MCA/ M.A./M.Sc.	-	-	-	-	111	111	111	100	11	11	11	100	-	-	-	-	11	11	11	100
3.	M.Phil.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: The results only for final year UG/PG courses was published

6. List of Rank Holders in University Examination – 2020-2021 (May-2021)

Reg. No.	Name	Degree	Branch	CGPA	Classification	Rank
						1

5. Schedule of Exams / Results :

Dec-2020

Semester	Exams held from..... to	Results Published on
S1 B.Sc./BASLP	19-04-2021 to 24-04-2021	04-08-2021
S1 BE/B.Tech/BBA	08-04-2021 to 16-04-2021	04-08-2021
S1 PG	08-04-2021 to 16-04-2021	04-08-2021
S3 UG	19-03-2021 to 25-03-2021	08-07-2021
S3 BBA	19-03-2021 to 25-03-2021	08-07-2021
S3 PG	01-03-2021 to 06-03-2021	08-07-2021
S5 UG	10-03-2021 to 18-03-2021	08-07-2021
S5 B.Sc.	01-03-2021 to 06-03-2021	08-07-2021
S5 BBA	01-03-2021 to 08-03-2021	08-07-2021
S5 PG	01-03-2021 to 06-03-2021	08-07-2021
S7 UG	01-03-2021 to 08-03-2021	01-06-2021
S7 B.E. Marine Engineering	Practical Exam Not Completed	
S7 PG	12-03-2021 to 18-03-2021	01-06-2021
S9 PG	01-03-2021 to 08-03-2021	01-06-2021

May-2021

Semester	Exams held from..... to	Results Published on
S2 B.E/B.Tech.	13-08-2021 to 19-08-2021	-
S2 ME/M.Tech.	13-08-2021 to 19-08-2021	-
S2 MBA	11-08-2021 to 17-08-2021	-
S2 MA/M.Sc.	13-08-2021 to 18-08-2021	-
S2 M.Phil	Viva Exam Not completed	-
S4 B.E/B.Tech.	28-07-2021 to to 17-08-2021	-
S4 /B.Sc./BASLP/BBA	28-07-2021 to 02-08-2021	-
S4 MCA	28-07-2021 to 03-08-2021	-
S4 M.E/M.Tech./ M.Sc.(Human Gen)	17-06-2021to 18-06-2021	04-08-2021
S4 M.A/M.Sc./MBA	11-06-2021 to 15-06-2021	04-08-2021
S6 BE/B.Tech	28-07-2021 to to 03-08-2021	-

Semester	Exams held from..... to	Results Published on
S6 BBA/B.Com.	11-06-2021 to 16-06-2021	04-08-2021
S6 MCA	17-06-2021 to 18-06-2021	04-08-2021
S6 B.Sc.	24-06-2021 to 29-06-2021	04-08-2021
S8 B.E/B.Tech.	11-06-2021 to 12-06-2021	04-08-2021
S8 PG	07-06-2021 to 17-06-2021	04-08-2021
S8 B.E. Marine Engineering	Viva Exam Not completed	-
S10 PG	17-06-2021 to 18-06-2021	04-08-2021

9. Status on National Academic Depository (NAD)

Uploaded the students data for May-2017 and May-2018 Examinations in NSDL data base.

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10. Any other Information : Nil

LEARNING RESOURCE CENTRE (LIBRARY)

Name : LRC – LIBRARY
Librarian's Name : Dr.S.Lawyed Stephen
Phone No : 04651-251336, 9442302772
E-mail/ Website : library@niuniv.com

1. Resources Available :

1. Building : 1654.7 sq.m
2. No. of Volumes : 82632
3. No. of Titles : 49002
4. Reference Books : 2299
5. News Papers : 12
6. Journals : 79
7. Theses : 271
8. Online Journals : 26470
9. E Books : 16293
10. Back Volumes : 3047
11. CDs/ DVDs : 2416
12. Book Bank : 939
13. Additions Made during 20-21 : 1760
14. Online Data Bases : Nil

2. Staff Details:

1. Assistant Librarians : 01
2. Library Assistants : 05
3. Helpers : 02

3. LRC LIBRARY USAGE DATA

1. No. of Members issued per day : 50 to 75
2. Average No. of Visits per day : 100 to 125
3. Usage of

IEEE	EBSCO	EMERALD	DELNET	INFLIBNET	NDL	KNIMBUS
Available			Member	Member	Member	Available

4. Average number of borrowers per day : 75
5. Resource sharing with other Universities: Yes, Through DELNET we are providing Inter library loan to our students and faculty members.
6. Digitisation efforts made during 2020-2021
7. Membership details in National Digital Library (NDL)

S.No		Male	Female	Total
1	No. of Faculty Members	115	95	210
2	No. of Students Members	688	442	1130
3	No. of Administrative/ Technical Staff	12	17	29

RESEARCH AND DEVELOPMENT CENTRE 2020-21

1. Centre Details:

Name	BRDC
Director's Name	Dr. M. Dev Anand
Phone Number	+(91) 9486856122, +(91) 4651 250 462
E-mail	dir-research@niuniv.com
Website	http://www.niuniv.com/research.html
Deputy Director's Name	Dr. Julia Punitha Malar Dhas

2. Board of Research and Development and Consultancy:

Sl. No.	Name of the Members	Designation
22.	Dr. A. K. Kumaraguru, Vice-Chancellor, NICHE	Chairman
23.	Dr. N. Chandrasekhar, Pro Vice-Chancellor, NICHE	Member
24.	Dr. K. A. Janardhanan, Dean, Faculty of Management Studies, NICHE	Member
25.	Dr. R.S. Vinod Kumar, Dean, Faculty of EEE, NICHE	Member
26.	Dr. A. Shajin Nargunam, Dean, Faculty of ICE, NICHE	Member
27.	Dr. M. Murugan, Dean, Faculty of Technology, NICHE	Member
28.	Dr. R.C. Mehta, Dean, Faculty of Aeronautical and Space Technology, NICHE	Member
29.	Dr. V. Narayanan Nair, Dean, Faculty of Civil Engineering, NICHE	Member
30.	Dr. M. K. Jeyakumar, Dean, Faculty of Computer Science, NICHE	Member
31.	Dr. M. Immaculate Mary, Dean, Faculty of Humanities & Science, NICHE	Member
32.	Prof. S. Mohana Das, Dean, Faculty of Marine Engineering, NICHE	Member

33.	Padma Shri. Dr. N. Vedachalam, <i>Distinguished Professor, Director-LPSC (Rtd.), VSSC, Trivandrum</i>	Member
34.	Dr. N. Periasamy, <i>Professor, School of Chemistry, University of Hyderabad, Hyderabad</i>	Member
35.	Dr. T. J. Pandian, <i>Emeritus Professor, School of Biological Sciences, M.K University, Madurai</i>	Member
36.	Dr. M. Lakshmanan, <i>Profesor of Eminence & DST Ramanna Fellow, Centre for Nonlinear Dynamics, Bharathidasan University, Trichy</i>	Member
37.	Dr. A. Kannan, <i>Professor & Head, Department of Information Science & Technology, Anna University, Chennai</i>	Member
38.	Dr. T. J. Apren, <i>Head, R.F System and Development Division, VSSC, Thumba, Trivandrum - 695002</i>	Member
39.	Dr. M. Dev Anand, <i>Dean, Faculty of Mechanical Engineering, Director - Research, NICHE</i>	Member Secretary
40.	Dr. R. Perumalsamy, <i>Pro Chancellor (Academic), NICHE</i>	Invitee
41.	Dr. P. Thirumalvalavan, <i>Registrar, NICHE</i>	Invitee
42.	Dr.B. Krishnan, <i>Controller of Examinations, NICHE</i>	Invitee

3. Research Parameters:

Sl. No.	Particular	2019-20	Cumulative
1.	Publications (Scopus , SCI Web of Science, UGC Approved Journals Etc).	327	2,324
2.	Citation Index- Scopus	1877	7285
3.	h index of NICHE- Scopus	5	43
4.	Impact Factor (SCI) UGC Approved Journals	-	-
5.	Books/ Chapters in Books Published with ISBN	-/15	32/25

Maximum h index and Average Publication per Faculty Member:

DEPARTMENT OF AERONAUTICAL ENGINEERING					
Sl. No.		Name	SCOPUS Count	h index	Citations
1	1	Dr. Mehta R C	91	11	483
2	2	Dr. Annil Kumar T	2	2	28
3	3	Dr. Neela Rajan R R	15	2	12
4	4	Mr. Anton Savio Lewise K	1		
5	5	Mr. Rohith I J	14	1	3
6	6	Mr. Antony Vincent V			
7	7	Mr. Pon Sudhir Sajan S S		2	

8	8	Mr. Anu Kuttan A			
9	9	Ms. Sibithra S P			
10	10	Ms. Ajni K Ajai			
11	11	Ms. Sobha Padmanabhan			
DEPARTMENT OF AIRCRAFT MAINTENANCE ENGINEERING					
12	1	Mr. Nalinakshan Nair S			
13	2	Mr. Sreedharan Nair M			
14	3	Mr. Laxman Kumar Hati			
15	4	Mr. Praveen V			
16	5	Mr. Subrata Mukhopadhyay			
17	6	Mr. Saji Soundara Raj J			
18	7	Dr. Benita J	2	1	3
19	8	Mr. Hari Kumar S	1		
20	9	Mr. J. Anish			
21	10	Mr. D. Sudhakar			
22	11	Ms. Ninisha Nels			
23	12	Mr. Ashwin V D S			
24	13	Mr. Ravikumar P J			
25	14	Mr. Anoop Krishnan K L			
26	15	Mr. D. B. Christofer			
DEPARTMENT OF AEROSPACE ENGINEERING					
27	1	Prof. Chaman Lal Ojha			
28	2	Dr. Aldrin Sugin M S			
29	3	Mr. Samuel K	2	1	6
30	4	Mr. Muthu Sherin S	2		
31	5	Dr. Karthikeyan L M	3	1	1
32	6	Ms. Veena Vijayan	1		
DEPARTMENT OF AUTOMOBILE ENGINEERING					
33	1	Dr. Edwin Raja Dhas J	75	10	374
34	2	Dr. Edwin Sahayaraj M	4	2	9
35	3	Dr. Robin Divahar S	2	1	9
36	4	Dr. Stanly Jones Retnam B	8	4	41
37	5	Dr. Darwins A K	6	3	14
38	6	Mr.F. Peter			
39	7	Mr. R. Vinoth Kumar			
40	8	Mr.V.C. Shajan			
41	9	Mr. Prem Narayan			
42	10	Ms. Anju A J			
DEPARTMENT OF BIO-MEDICAL ENGINEERING					
	Sl.	Name			
43	1	Dr. Arockia Selva Saroja G	2	1	14
44	2	Dr. Albert Jerome S	4	1	5
45	3	Mr. Navis Thinagar J			
46	4	Ms. Lisha Daniel			
47	5	Ms. C. Jeyashree			
48	6	Ms. Lekshmi V Nair			
DEPARTMENT OF ALLIED HEALTH SCIENCES					
49	1	Dr. Murugan M	32	5	89
50	2	Ms. Femi V			
51	3	Mrs. Janu J P			
52	4	Ms. Monic Leka G			

53	5	Dr. Raja Brindha J			
54	6	Mr. Shibin C T			
55	7	Mr. Nahas N			
56	8	Dr. N C J Packia Lekshmi			
57	9	Mr. Arun James			
58	10	Dr. Munnu Das J			
59	11	Ms. Bushra Beevi R			
60	12	Mr. Arun P T			
61	13	Dr. Gokul Gopi			
62	14	Dr. Janaki M C			
63	15	Ms. Archa Vikraman S			
64	16	Ms. B.S Deepa Priya			
65	17	Ms. Ashline Jeba T			
66	18	Ms. Subha T			
67	19	Mrs. Lekshmi S C			
68	20	Ms. Harita Anilappan			
69	21	Mr. Shefin Jose			
70	22	Ms. Nimiya Joseph			
71	23	Ms. Beena V S			
72	24	Ms. Alaka S Prasad			
73	25	Dr. R. Shabi Ruskin	2	1	10
74	26	Ms. Pradheba K			
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING					
Sl. No.	Name				
76	1	Dr. Shajin Nargunam A	37	3	56
77	2	Dr. Julia Punitha Malar Dhas	15	1	11
78	3	Dr. Amar Pratap Singh J	11	2	11
79	4	Dr. Chitra R	5	1	7
80	5	Dr. Kalaiselvi R	6	1	7
81	6	Dr. Vinila Jinny S	9	2	16
82	7	Dr. Maheswaran C P	6	2	5
83	8	Dr. Suji Pramila R	10	1	8
84	9	Dr. Judith J E	9	4	19
85	10	Dr. Anitha A	13	3	12
86	11	Ms. Sinciya P O	1		
87	12	Mrs. Venifa Mini G	7	2	9
88	13	Dr. Venkadesh P	9	1	5
89	14	Dr. Anusha Bamini A M	4	2	14
90	15	Ms. Safrin S			
DEPARTMENT OF CIVIL ENGINEERING					
91	1	Dr. Narayanan Nair V			
92	2	Dr. N. Nalanth	19	2	13
93	3	Dr. M. S Ravi Kumar			
94	4	Mr. Allwin D	1		
95	5	Ms. Alex Dorwina N			
96	6	Mr. Muthu Uthayan			
97	7	Ms. Soniya B			
98	8	Mr. Mathan Kumar S			
99	9	Ms. Roselin R			
100	10	Mr. Sunil Kumar S			
101	11	Mr. Ajin N			

102	12	Ms. Abisha Y			
103	13	Ms. Abisha M R			
DEPARTMENT OF COMPUTER APPLICATIONS					
104	1	Dr. Ratnam Nadar C	2		
105	2	Dr. Jeyakumar M K	41	3	34
106	3	Dr. Charles J	2		
107	4	Dr. Jeba J R	9	2	9
108	5	Dr. Victor Jose M	10	2	16
109	6	Dr. Beulah S	3	1	2
110	7	Dr. Siva Balan R V	36	3	77
111	8	Dr. Kumaran U	3	1	10
112	9	Dr. Jerine S			
113	10	Dr. Jayan J P	12	2	38
114	11	Dr. Subhajini A C	20	3	29
115	12	Ms. Anusha Linda Kostka J E	2		
116	13	Mr. Ranjith V G	3	1	3
117	14	Ms. Sheela Kumari C R			
118	15	Ms. Melbin J Reena	2		
119	16	Ms. Merlin Johnsy M			
120	17	Ms. Alan Gowri Phivin V	3		
121	18	Dr. Heaven Rose R I	1		
122	19	Mr. Samuel Blessed Nayagam	2		
123	20	Ms. Muthupriya C V			
124	21	Mr. Wiseling Lazarus			
DEPARTMENT OF CHEMISTRY					
125	1	Dr. Sankaranarayana Pillai M	3	2	38
126	2	Dr. Joseph J	38	12	412
127	3	Dr. Sharmila T M	1	1	
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING					
128	1	Dr. Vinod Kumar R S	18	4	40
129	2	Dr. Santhi N	27	4	47
130	3	Dr. Amala Shanthi S	3	1	6
131	4	Dr. Mary Synthuja Jain	10	3	47
132	5	Dr. Vijula Grace K S	10	1	11
133	6	Mr. Gopalakrishnan T	5	3	24
134	7	Ms. Chandrakala K	4	1	1
135	8	Ms. Shahi D	2		
136	9	Dr. Divya S V	8	2	7
137	10	Mr. Rajesh K P	4	1	15
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING					
138	1	Dr. Sujatha Therese P	5	1	1
139	2	Dr. Mary Synthia Regis	12	2	7
140	3	Dr. Arul Linsely J	3	1	7
141	4	Dr. Flower Queen M P	5		
142	5	Dr. Anitha Janet Mary S	5	1	4
143	6	Dr. Tibbie Pon Symon V A	5	1	3
144	7	Ms. Bindhu V S			
145	8	Dr. Muthuvel K	9	3	18
146	9	Ms. Russelin R P			
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING					
147	1	Dr. Kumar S S	5	9	319

148	2	Dr. Amsaveni V	5	1	13
149	3	Dr. Menaka D	5	1	3
150	4	Dr. Manju R	3	1	5
151	5	Dr. H. Vennila	17	3	25
152	6	Dr. Sarath R	7	1	6
153	7	Dr. Felix Stephen S	4	1	2
154	8	Ms. Binu Sathiya S	2		
155	9	Ms. Shiny K V	1		
DEPARTMENT OF ENGLISH					
156	1	Prof. Narayanan M L			
157	2	Dr. Krishnan B			
158	3	Dr. Ilankumaran M	15	4	40
159	4	Mr. Khaleel Rahuman A			
160	5	Ms. Deepa P	2	1	10
161	6	Dr. Bindhu V S	5		
162	7	Ms. Sheila J			
162	8	Ms. Kohila M			
163	9	Dr. Jinu R	10	1	2
165	10	Ms. Shafrina S			
166	11	Dr. Chriso Ricky Gill J			
167	12	Mr. Jean Luc Murorimana			
DEPARTMENT OF FIRE TECHNOLOGY AND SAFETY ENGINEERING					
168	1	Mr. James Dinakaran	1		
169	2	Dr. Ganesh R S	7	2	14
170	3	Dr. Bavanish B	2	1	23
171	4	Dr. Jenkins Hexley Dhas.S	1		
172	5	Dr. Rajesh R	5		
173	6	Mr. Sherlin Paul P S			
174	7	Mr. Berlin Push P			
175	8	Mr. Albert Seldon P			
176	9	Mr. Jegan T			
DEPARTMENT OF INFORMATION TECHNOLOGY					
177	1	Prof. Iyer A R S			
178	2	Dr. Mathusoothana S. Kumar	17	4	18
179	3	Dr. Maria Celestin Vigila S	21	6	83
180	4	Dr. Sugitha N	8	2	15
181	5	Dr. Palani Kumar S	18	4	51
182	6	Dr. Mary Amala Bai V	3	2	10
183	7	Dr. Brindha T	8	3	16
184	8	Dr. Siva Sankar K	17	2	14
185	9	Ms. D.R. Denslin Braja	2		
186	10	Dr. Jeyasheela Y	5	2	4
187	11	Dr. Jayalekshmi M B	3	1	9
188	12	Dr. Sindia T V	3	1	2
DEPARTMENT OF MECHANICAL ENGINEERING					
189	1	Dr. Chandrashekhar N			
190	2	Dr. Dev Anand M	105	7	168
191	3	Dr. Joselin Herbert G M	15	7	847
192	4	Dr. Ramasamy N	9	3	16
193	5	Dr. Abilash N	4	1	37
194	6	Dr. Rajesh R			

195	7	Mr. Raja S			
196	8	Dr. Jerald Jose P	6	1	
197	9	Dr. Ramesh Palappan R			
198	10	Mr. Unni Krishnan A	2	2	80
199	11	Mr. Selvan Nambi S			
200	12	Mr. Subhanandh B V	3	1	4
201	13	Mr. Eqbert K	1		
202	14	Dr. Judson Durai T	2	1	2
203	15	Mr. Aniber Benin M	3	1	7
204	16	Mr. Subash S	2		
205	17	Mr. Dinesh R	2		
206	18	Mr. Suresh Babu V			
207	19	Mr. Rabin R			
DEPARTMENT OF MARINE ENGINEERING					
208	1	Prof. Mohana Das S			
209	2	Dr. John Leon S			
210	3	Dr. Jeba Singh V K	4	2	101
211	4	Dr. Jai Aultrin K S	13	3	23
212	5	Mr. Venugopala Pillai R			
213	6	Mr. Devabalan Nair N			
214	7	Mr. Ratheesh A K			
215	8	Mr. Vijayan Pillai S			
216	9	Mr. Neela Prasad U N			
217	10	Mr. Jesin Jude Leonard J			
218	11	Mr. Manivannan S			
219	12	Mr. Vishnu S H			
220	13	Mr. Jenish Thomas			
221	14	Mr. Anand Jino M			
222	15	Mr. Muniasamy M			
223	16	Mr. Raghuvaran P			
DEPARTMENT OF MANAGEMENT STUDIES					
224	1	Dr. Janardhanan K A	18	1	1
225	2	Prof. Sivathanu Pillai M			
226	3	Dr. M. Janardhanan Pillai			
227	4	Dr. Radhika R	15	1	4
228	5	Dr. Velmurugan V P	5		
229	6	Dr. M. Sulaipher	6		
230	7	Dr. Shibin Tad M C	1		
231	8	Mr. Fenin Samuel S	1		
232	9	Mr. Deekshith D	1		
233	10	Dr. Kavitha Rani R			
234	11	Dr. Asha K	2		
235	12	Ms. Veena V S			
236	13	Ms. Y. Jenusha Ananthu			
237	14	Ms. Lija P	1		
238	15	Mr. Kishore J S			
239	16	Mr. Danny Solomon			
DEPARTMENT OF MATHEMATICS					
240	1	Dr. Immaculate Mary M	3		
241	2	Dr. Sarasija P B	10	2	10
242	3	Dr. Selvarajan T.M	8	1	3

243	4	Dr.Kumaresan S			
244	5	Dr.Uma Samundesvari K	5		
245	6	Dr. Binthiya R	3	1	4
246	7	Dr. Nageswari P	4		
247	8	Dr. Uma Devi K			
248	9	Dr. Sheeba Singh D	2		
249	10	Dr. Sudha M	1		
250	11	Mr. Victor Jeya Chandra G			
251	12	Ms. Jeba Sheeja P			
252	13	Dr. John Arul Singh J	3	1	1
DEPARTMENT OF NANO TECHNOLOGY					
253	1	Dr. Praseetha P K	49	7	168
254	2	Dr. Balamurugan S	83	14	614
255	3	Dr. Sreeja T K	8	3	23
256	4	Dr. Rimal Isaac R S	13	4	83
257	5	Dr. Prabu M	8	4	69
258	6	Dr. S. Gobalakrishnan	17	7	229
259	7	Ms. Vibala B V	6		
260	8	Dr. A. Beula			
DEPARTMENT OF PHYSICS					
261	1	Dr. Bindhu B	16	2	23
262	2	Dr. Meena Devi V N	22	6	71
263	3	Dr. Ganapathi Raman R	30	7	177
264	4	Dr. Sagi Rani C	3	1	2
265	5	Mrs. Sugirtha Suni N Y	0		
LIBRARY					
266	1	Dr. Lawyed Stephen S			
267	2	Dr. Ramadas G	3	1	1
268	3	Dr. Sivakumar K P			

4. List of Approved Supervisor(s):

Sl. No.	Name	Faculty/ Department	Eligible Number Scholars		Number of Registered Scholars	
			M.Phil.	Ph.D	M.Phil.	Ph.D.
1.	Dr. M. Sankaranarayana Pillai	S & H/ Chemistry	03	-	-	-
2.	Dr. J. Joseph	S & H/ Chemistry	03	08	01	07
3.	Dr. T. M. Sharmila	S & H/ Chemistry	01	04	01	01
4.	Dr. V. N. Meena Devi	S & H/ Physics	02	06	-	06
5.	Dr. R. Ganapathi Raman	S & H/ Physics	02	06	-	06
6.	Dr. B.Bindhu	S & H/ Physics	03	08	-	08
7.	Dr. S. Gobalakrishnan	S & H/ Physics	01	04	-	04
8.	Dr. B. Krishnan	S & H/ English	03	08	-	-
9.	Dr. M. Ilankumaran	S & H/ English	03	08	-	08
10.	Dr. R. Jinu	S & H/ English	02	06	-	06

11.	Dr. C. Ratnam Nadar	S & H/ Mathematics	03	08	-	-
12.	Dr. M. Immaculate Mary	S & H/ Mathematics	03	08	-	02
13.	Dr. P. B. Sarasija	S & H/ Mathematics	03	08	-	01
14.	Dr. J. John Arul Singh	S & H/ Mathematics	01	04	-	-
15.	Dr. T.M. Selvarajan	S & H/ Mathematics	02	06	-	03
16.	Dr. K. Uma Samundeswari	S & H/ Mathematics	02	06	-	03
17.	Dr. K. Uma Devi	S & H/ Mathematics	01	04	-	01
18.	Dr. R. Binthiya	S & H/ Mathematics	01	04	-	02
19.	Dr. P. Nageswari	S & H/ Mathematics	01	04	-	01
20.	Dr. D. Sheeba Singh	S & H/ Mathematics	01	04	-	01
21.	Dr. M. Sudha	S & H/ Mathematics	01	04	-	01
22.	Dr. R. C. Mehta	AST/ Aeronautical	-	08	-	-
23.	Dr. M. Dev Anand	Mechanical/ Mechanical	-	08	-	06
24.	Dr. J. Edwin Raja Dhas	Mechanical/ Automobile	-	08	-	05
25.	Dr. G. M. Joseline Herbert	Mechanical/ Mechanical	-	08	-	06
26.	Dr. Stanly Jones Retnam	Mechanical/ Automobile	-	06	-	05
27.	Dr. N. Abilash	Mechanical/ Mechanical	-	06	-	04
28.	Dr. N. Annil Kumar	AST/ Aeronautical	-	06	-	-
29.	Dr. R. Rajesh	Mechanical/ Mechanical	-	06	-	05
30.	Dr. M. Edwin Sahaya Raj	Mechanical/ Automobile	-	06	-	05
31.	Dr. B. Bavanish	Mechanical/ Mechanical	-	06	-	06
32.	Dr. V. K. Jebasingh	Mechanical/ Mechanical	-	04	-	03
33.	Dr. K. S. Jai Aultrin	Mechanical Mechanical	-	04	-	03
34.	Dr. N. Ramasamy	Mechanical/ Mechanical	-	06	-	06
35.	Dr. Neela Rajan R. R.	AST/ Aeronautical	-	04	-	-
36.	Dr. S. John Leon	Mechanical/ Mechanical	-	06	-	-
37.	Dr. S. Robin Divahar	AST/ Aeronautical	-	06	-	-
38.	Dr. Judson Durai T.	Mechanical/ Mechanical	-	04	-	-
39.	Dr. A. Shajin	ICE/CSE	03	08	-	06

	Nargunam					
40.	Dr. M. K. Jeyakumar	CS/CAs&CS	03	08	-	05
41.	Dr. Julia Punitha Malar Dhas	ICE-CSE	03	08	-	05
42.	Dr. R. V. Siva Balan	ICE/CAs	02	06	-	06
43.	Dr. K. Siva Sankar	ICE/IT	02	06	-	06
44.	Dr. J. Amar Pratap Singh	ICE/CSE	03	08	-	07
45.	Dr. S. Palani Kumar	ICE/IT	02	06	-	06
46.	Dr. S. Maria Celestin Vigila	ICE/IT	02	06	-	06
47.	Dr. J. R. Jeba	ICE/CAs	02	06	-	05
48.	Dr. Mathu Soothana S. Kumar	ICE/IT	03	08	-	06
49.	Dr. A. C. Subhajini	ICE/CA	02	06	-	04
50.	Dr. N. Sugitha	ICE/IT	02	06	-	06
51.	Dr. J. E. Judith	ICE/CSE	02	06	-	05
52.	Dr. R. Kalai Selvi	ICE/CSE	02	06	-	06
53.	Dr. V. Mary Amala Bai	ICE/IT	02	06	-	06
54.	Dr. R. Suji Pramila	ICE/CSE	02	06	-	06
55.	Dr. S. Vinila Jinny	ICE/CSE	02	06	-	06
56.	Dr. M. Victor Jose	ICE/CSE	02	06	-	06
57.	Dr. T. Brindha	ICE/IT	02	06	-	06
58.	Dr. A. Anitha	ICE/CSE	02	06	-	06
59.	Dr. C. P. Maheswaran	ICE/CSE	02	06	-	05
60.	Dr. Divya. S. V.	ICE/CSE	04	04	-	04
61.	Dr. U. Kumaran	ICE/CSE	02	06	-	04
62.	Dr. P. Venkadesh	ICE/CSE	01	04	-	04
63.	Dr. R. Chitra	ICE/CSE	02	06	-	05
64.	Dr. Anusha Bamini A. M.	ICE/CSE	01	04	-	-
65.	Dr. J. Charles	CS/CS	02	06	-	03
66.	Dr. S. Jerine	CS/CS	02	06	01	06
67.	Dr. J. P. Jayan	CS/CS	02	06	01	04
68.	Dr. N. Santhi	EEE/ECE	-	06	-	02
69.	Dr. K S. Vijula Grace	EEE/ECE	-	06	-	03
70.	Dr. R.S. Vinod Kumar	EEE/ECE	-	08	-	07
71.	Dr. M. Mary Synthuja Jain Preetha	EEE/ ECE	-	06	-	04

72.	Dr. R. S. Ganesh	EEE/ECE	-	06	-	05
73.	Dr. S. Amala Shanthi	EEE/ECE	-	06	-	05
74.	Dr. G. Arockiya Selva Saroja	EEE/ECE	-	06	-	05
75.	Dr. T. K. Sreeja	EEE /ECE	-	06	-	05
76.	Dr. Sowmy I.	EEE/ECE	-	06	-	-
77.	Dr. Benita J.	EEE/ECE	-	04	-	02
78.	Dr. D. M. Mary Synthia Regis Prabha	EEE/EEE	-	06	-	03
79.	Dr. P. Sujatha Therese	EEE/EEE	-	08	-	06
80.	Dr. M. P. Flower Queen	EEE/EEE	-	06	-	-
81.	Dr. K. Muthuvel	EEE/EEE	-	06	-	04
82.	Dr. J. Arul Linsely	EEE/EEE	-	06	-	-
83.	Dr. S. Albert Jerome	EEE/EIE	-	06	-	05
84.	Dr. R. Rajesh	EEE/EEE	-	04	-	01
85.	Dr. Tibbie Pon Symon V.A.	EEE/EEE	-	04	-	03
86.	Dr. Anitha Janet Mary	EEE/EEE	-	04	-	01
87.	Dr. H. Vennila	EEE/EEE	-	06	-	04
88.	Dr. S. S. Kumar	EEE/EIE	-	06	-	06
89.	Dr. V. Amsaveni	EEE/EIE	-	06	-	-
90.	Dr. D. Menaka	EEE/EIE	-	06	-	06
91.	Dr. Sarath R.	EEE/EIE	-	04	-	04
92.	Dr. Manju R.	EEE/EIE	-	04	-	01
93.	Dr. Felix Stephen S.	EEE/EIE	-	04	-	-
94.	Dr. K. A. Janardhanan	MS/MS	03	08	-	08
95.	Dr. R. Radhika	MS/MS	02	06	-	06
96.	Dr. V. P. Vel Murugan	MS/MS	02	06	01	06
97.	Dr. Shibin Tad M C	MS/MS	01	04	-	04
98.	Dr. M. Sulaipher	MS/MS	02	06	-	06
99.	Dr. Asha K	MS/MS	01	04	-	04
100.	Dr. M. Janarthanan Pillai	MS/MS	03	08	01	08
101.	Dr. P. K. Praseetha	MS/MS	03	08	-	04
102.	Dr. K. A. Saju	Technology/Nano Technology	01	04	-	-

103.	Dr. S. Balamurugan	Technology/Nano Technology	03	08	-	-
104.	Dr. M. Murugan	Technology/Nano Technology	03	08	-	04
105.	Dr. M. Prabu	Technology/ Nano Technology	02	06	-	-
106.	Dr. R. S. Rimal Isaac	Technology/Nano Technology	01	04	-	-
107.	Dr. J. Raja Brindha	Technology/Nano Technology	01	04	-	-
108.	Dr. N. C. T. Packia Lekshmi	Technology/Nano Technology	01	04	-	-
109.	Dr. V. Narayanan Nair	Civil/Civil	-	08	-	-
110.	Dr. N. Nalanth	Civil/Civil	-	08	-	08

5. Research Facilities Available 2019-20:

Central Computing - A computer centre is maintained by the University with almost all facilities. The Centre is kept open from 09.00 a.m. to 5.00 p.m. The Centre also provides training to the University personnel. Internal assessment of the University, examination processing and accounting procedures has been computerized.

Central Library - The University library is well equipped with reference books, but reduced budget allocations and prohibitive costs of specialty journals have made it necessary to limit subscriptions to journals. This difficulty is partly compensated by the availability of browsing and internet facilities. The University has a modern Central Library with more than one and half lakhs of documents consisting of Technical books, reports, standards, CD-ROMS, Audio Visual Educational Cassettes and back volumes of journals.

Digital Knowledge Centre has been established with 30 Computer systems with internet connection. Wi-Fi facility has been provided for laptop users. CCTV Web cameras have been fixed in the Central Library and the entire building is under camera surveillance. RFID Technology of Document Identification and Library Security System have been implemented for the library functions and services.

Central Workshop - The Central Workshop is a common facility which provides fabrication services for projects and prototype fabrication to all the students and faculty members of the University. It has three main sections. These are the fitting and carpentry section, the machine shop, and the welding and foundry section. These workshops have machinery needed for basic fabrication requirements. Apart from this some of following:

Material Properties, Characterization and Manufacturing Research Facilities

Sl. No.	Name of the Instrument, Model & Manufacture
1.	CNC Machine
2.	Universal Testing Machine
3.	Micro Hardness Tester and Wear Testing Machine
4.	Hydraulic Press
5.	3D Printed Technology
6.	Computational Fluid Dynamics Research Facilities
7.	Electronic Balance

8.	pH Meter
9.	Muffle Furnace
10.	Constant Temperature Bath
11.	Distilled Water Plant
12.	Hot Plates
13.	Magnetic Stirrers
14.	Electrochemical Analyzer CHI 604 D
15.	UV-Visible Spectrophotometer Systronics
16.	FT IR Affinity-1 Shimadzu
17.	Gel Documentation System Genei Merck
18.	Rotovap Superfit
19.	Incubator Technico
20.	Deep Freezer Blue Star

Process Control, Payload and Simulation Research Facilities

Sl. No.	Name of the Instrument, Model & Manufacture
1.	Distributed Control System (DCS) and Programmable Logic Controllers (PLC) & SCADA
2.	Electronics and Communication and Payload Lab
3.	Lab is Equipped with the Following Software and Tools for Research MATLAB WEKA NS2 Cloudsim

Nano Characterization Laboratory Instruments

Sl. No.	Name of the Instrument, Model & Manufacture
1.	Atomic Force Microscope, XE-70, Park System, Korea
2.	Electro Chemical Work Station, CHI Instruments 604 D, USA
3.	Particle Size Analyser, CPS Instruments DC 12000, USA
4.	FTIR, Bruker, Alpha T, Germany
5.	TG/DTA, SIINT 6300, Japan
6.	Ball Mill, PM 100, Germany
7.	Elga Ultra-Pure Water, Pure lab Q7, UK
8.	UV-Vis Spectrophotometer, Systronics, 2202, India
9.	Surface Area Analyzer, Smart Instruments SS-9, India
10.	BH Curve Tracer, BHCT-CRO, India
11.	UPS for AFM, MU 300, Matrix India
12.	XRD, D2 Phaser, Bruker Germany
13.	UPS for XRD, Power One Micro Systems India
14.	Raman Spectrometer, EZ Raman Enwave Optronics, USA

Nano Synthesis Instruments

Sl. No.	Name of the Instrument, Model & Manufacture
1.	Digital Electronic Balance, D432813364, Japan.
2.	Electric Water Bath Double Walled, NLWB 6, New Lab Equipment, India.
3.	Hot Air Oven, Type: AVSO4A, Eltek Equipment Private Ltd, Mumbai.
4.	Heating Mantel, 2486, Guna Enterprises, India.
5.	Mechanical Stirrer Remi Make, FOL 1756, Rajendra Electrical Instruments Limited, India.

6.	Magnetic Stirrer, Rajendra Electrical Industry Limited, India. (2Nos)
7.	Vacuum Pump, Ambika Enterprises, India.
8.	UV Lamp with Fitting Long Ware, United Scientific
9.	Double Distilled Water Plant, United Scientific
10.	Hair Drier, Salon Compact 1000w, Philips.
11.	Vacuum Oven, Technico.
12.	Muffle Furnace, United Scientific
13.	Spin Coater, Spectrospin Instrument Inc. India.
14.	Magnetic Stirrer, Remi Electro technic Limited, Vasai-India.
15.	Centrifuge Model (R-8C), Remi, Electro Technic Limited, India.
16.	Ultrasonic Cleaner, United Scientific
17.	Gun For Liq Spray, Type 59, pilot spray gun, Manic Machinery Manufactures Private Limited, Mumbai.
18.	Air Compressor, Indian Make Gajendra.
19.	Ultrasonic Probe Sonicator, PS-3182

Nano Applications & Research Instruments

Sl. No.	Name of the Instrument, Model & Manufacture
1.	Autoclave, Sujha Surgical
2.	Laminar Flow Combiner, B8C Industries, India.
3.	Peristaltic Pump, Mumbai, India.
4.	Heating Mantel, Rotex Instruments, B&C Industries, India. (2Nos)
5.	Incubator, Rotek, India.
6.	Magnetic Stirrer, Guna Enterprises, India
7.	Hot Plate Ceramic Top, Tarson.
8.	pH meter, Pen Type, Sujha Surgical
9.	Orbital Shaking Incubator, LAB Line Industries, Cochin India.

Advanced Nano Material Research Instruments

Sl. No.	Available Major/Minor Equipment's/Apparatus
1.	Fluorescence Spectrophotometer (SL174, ELICO)
2.	NIR Spectrophotometer (SL153, ELICO)
3.	Planetary High Energy Ball Mill
4.	High-Temperature Tubular Furnace (1600°C)
5.	Groove Rolled Box Furnace (1000°C)
6.	Muffle Furnace (900°C)
7.	Glove Box
8.	Electronic Balance (Shimadzu, Japan)
9.	Electronic Balance (Anamed, India)
10.	Hot Air Oven
11.	Hydraulic Press
12.	Air Compressor
13.	Vacuum Pump
14.	Heating Mantles
15.	Ultra Sonicator
16.	Mechanical Stirrers
17.	Water Bath
18.	Laboratory Centrifuge REMI - 8C (5400 rpm)
19.	Bench Top Centrifuge Model R- 24 REMI (17300 rpm)

20.	Autoclaves (for Hydrothermal Synthesis)
21.	Water Distillation Plant
22.	pH Meter
23.	Microwave Oven
24.	IR Lamp
25.	UV Lamp
26.	Oxygen Cylinder with Regulator
27.	Nitrogen Cylinder with Regulator
28.	Argon Cylinder with Regulator

Cloud Computing Research Centre

Sl. No.	Name of the Instrument, Model & Manufacture
1.	Server PANARO NX 2600-DPX-H2-RPS-2U-LFF (PN15400014) 32GB ECC DDR4 RAM, 1TB SATAx4, 8 Hotswap Bays, 550W RPS, Intel Xeon 2620v4 X2, Integrated RAID, 10G Dual SFP+, 3 Years Warranty HSN Code: 84715000
2.	Network Attached Storage AWANSTOR IX Network Attached Storage (PA26580001), S8224-E5420 4U 24 Bay, 48GB RAM, 4TB NL SASx12 Nos (48TB RAW), NFS/CIFS/iSCSI/AFP Perpetual License, HSN Code:84717090
3.	Computer Lenovo V520ST 10NLA011IH, Intel Core i5 7 th Gen, 4GB DDR4 RAM, 1TB HDD, DOS + Monitor 19" 3Years Warranty Lenovo Keyboard, Lenovo Mouse
4.	Switch Cisco 24/2 Port Giga Switch
5.	Network Switch Aruba 2930M 1-Slot Switch (JL321A)
6.	Firewall Panaro FX High End Multi WAN Firewall 5 x 1 Gigabit WAN Connections 1 x 1 Gigabit LAN, 1 x 1 4GB RAM 1 x Intel Quad Core 64 Bit Processor 240W Inbuilt Power Supply 1 x 1U Rackmount Clamp Kit Unlimited Users, Perpetual License
7.	Router TP Link Archer C2 AC900 Gigabit Router Wireless Dual Band Gigabit Router
8.	Printer Canon PIXMA G3000 All in One Wireless Ink Tank Color Printer
9.	Microsoft Imagine Subscription

	(3 Years)
10.	VMware IT Academy Subscription (3 Years)
11.	Operating System WinPro 10 SNGL OLP NL Acdmc Legalization

Advanced Humanoid Robotic Laboratory

Sl. No.	Items	Specification	Quantity
1.	SANBOT Humanoid Robot	Size: 92 cm (Height) x 30 cm (Depth) x 40 cm (Width) Weight: 19kg	1
2.	Charging Pile (Contains Adaptor)	Spring strip(electrified with 19V)	1
3.	Power Line	-	1
4.	Battery	Type: Lithium Battery Capacity: 20Ah/300W Running time: about 10 Hours, Standby for Over 20 Hours	1
5.	Sensor	Head	
		Mic	7
		RGB Camera	2
		3D Sensor	1
		Touch Sensor	7
		Body	
		Gyroscope Sensor	1
		Human Body Induction Sensor	2
		IR Evading Obstacle Sensor	3
		IR Message Receiving Sensor	6
		Touch Sensor	4
		Electronic Compass Sensor	1
		Hand	
		IR Evading Obstacle Sensor	4
		Touch sensor	
		Leg	
		IR Evading Obstacle Sensor	10
		Omni Wheel	3
6.	Moving Parts	Head :2 x DOF (180 Degree at Horizontal Direction, 30 Degree at Vertical Direction)	-
		Hand :1x2(L/R) DOF (270 Degree Swing Back and Forth)	-
		Leg :3 x DOF (Free Angle)	-
7.	Video	8.0MP HD Camera	1
		1.0MP HD Color Camera with 140 Degree Aspheric Surface Angle	1
8.	Display	10.1 inch 1080P HD Capacitance 10-Point Touch Display	1
9.	Projection	Laser 1920 x 720 HD Wide Gamut Output, 60Hz, Aspect-Ratio: 16:9	1
10.	Platform	ROS1.1	-

11.	Sound	Voice Control, 360 Degree Sound Localization, Tweeter	4
		Woofer	1
12.	WIFI Network	IEEE 802.11 a/b/g/n (2.4 GHz/5 GHz)	1
13.	Wireless Network	Bluetooth 4.0, ZigBee	-
14.	Atmosphere Lamp	250 Kinds Customized Colors, 2 Cycles for Ears , 2 pcs for Hands, and 1 Cycle for Chassis	-
15.	Moving Speed	0.8 m/s Max	-
16.	Grade	1.5 cm Max	-

5. List of Ph.Ds.

(a) Viva Completed (2020-21):

Sl. No.	Name of the Scholar	Registration Number	Year of Registration	Department	Title	Date of Viva	Supervisor Name	Date of Joining
1.	Anandan S.	0114917204	July 2014	Mechanical Engineering	A study of Condenser Material, Development of Model for Selection and effect of Sea Water on its Properties	07/09/2020	Dr. R. Rajesh	01.09. 2014
2.	Dalmiya C. P.	0114910101	July 2014	ECE	Development of Novel Change Detection Techniques for High Resolution Multitemporal Satellite Data	18/09/2020	Dr. N. Santhi	10.09. 2014
3.	Deepa V. T.	1111910202	July 2011	ECE	Certain Investigations for Shielding Materials over Mobile Tower Radiation Hazards	09/10/2020	Dr. S. Amala Shanthi	03.03. 2011
4.	Samuel Blessed Nayagam P. V.	1115930204	July 2015	CS	Trusted Computing Based Security Architecture for Cloud Computing	13/10/2020	Dr. A. Shajin Narguman	05.08. 2015

Sl. No.	Name of the Scholar	Registration Number	Year of Registration	Department	Title	Date of Viva	Supervisor Name	Date of Joining
5.	Shamim I.	0114917213	July 2014	Mechanical Engineering	Performance Analysis of Air-Flow, Temperature and Comfort Inside the Passenger Car	22/10/2020	Dr. R.C. Mehta	08.08. 2014
6.	Kalyani Sreekumar	1115920201	July 2015	Physics	Development of Exfoliated Molybdenum Disulphide Reinforced Polylactic Acid/Alginate Composite Films Focussed Towards Potential Packaging Applications	23/10/2020	Dr. B. Bindhu	07.08. 2015
7.	Priya C. V.	1115908209	July 2015	CSE	Metaheuristic Algorithm Based Anomaly Detection Using Behavioral Analysis	03/11/2020	Dr. Angel Viji K.S	11.08. 2015
8.	Sreeja P.	0112911201	July 2012	EIE	FPGA Implementation and Performance and Modified Carrier RPWM for three Phase Inverter	12/11/2020	Dr. L. Padma Suresh	01.08.2012
9.	Denslin Braja D. R.	0113908203	July 2013	CSE	Novel Design of Block Based Visual Cryptography Techniques for Digital Images	18/11/2020	Dr. V.S. Dharun	12.08. 2013

Sl. No.	Name of the Scholar	Registration Number	Year of Registration	Department	Title	Date of Viva	Supervisor Name	Date of Joining
10.	Priya P. Sajan	0113907202	July 2013	CAs	Parallelization of Digital Image Segmentation in Shared Memory Multicore Systems	20/11/2020	Dr. S.S. Kumar	12.08.2013
11.	Rajesh K.R	1115920202	July 2015	Physics	Measurement and Analysis of Photoneutron from Medical Linear Accelerator	27/11/2020	Dr. R. Ganapathi Raman	11.08.2015
12.	Muhammed Anshad P. Y.	0113910205	July 2013	ECE	Automatic Segmentation of Chondroblastoma Using X-Ray Images	27/11/2020	Dr. S.S. Kumar	03.08.2013
13.	Gayathri A. R.	0113909201	July 2013	EEE	A Novel Hybrid Optimization for Tuning PID Controller of Solar Photovoltaic Array Fed Landsman Converter	30/11/2020	Dr. D. M. Mary Synthia Regis Prabha	19.08.2013
14.	S. L. Senthil Lekha	0113910210	July 2013	ECE	Land Use Land Cover Classification of Kanyakumari District Using Satellite Imagery	07/12/2020	Dr. S.S. Kumar	02.08.2013
15.	Sajitha A. V.	1116907101	July 2016	CAs	Designing and Evaluation of Energy Efficient Dynamic Virtual Machine	10/12/2020	Dr. A.C. Subhajini	17.08.2016

Sl. No.	Name of the Scholar	Registration Number	Year of Registration	Department	Title	Date of Viva	Supervisor Name	Date of Joining
					Consolidation for Green Cloud Computing			
16.	Beshiba Wilson	0112908203	July 2012	CSE	Identification of Iron Deposition in Brain Using Magnetic Resonance Imaging	11/12/2020	Dr. Julia Punitha Malar Dhas	07.08.2012
17.	Siva Bala P.	0114906203	July 2014	Civil Engineering	Mechanical Properties of Self Compacting Concrete Using Crushed Sand and Hybrid Fibres	14/12/2020	Dr. M.S. Ravi Kumar	11.08.2014
18.	Shameer A. P.	1115907203	July 2015	CAs	Efficient Load Balancing Techniques for Improving Performance in Cloud Using Hybridized Metaheuristic Optimization Algorithms	17/12/2020	Dr. A.C. Subhajini	17.08.2015
19.	Lim J. Seelan	0112909204	July 2012	EEE	An Optimized Lung Lesion Classification System for Computed Tomography Images	21/12/2020	Dr. L. Padma Suresh	04.08.2012
20.	Dileep V. K	0113908205	July 2013	CSE	Web Service Rank Determination Using a Novel Integration Framework	07/01/2021	Dr. R.V. Siva Balan	23.08.2013
21.	Renu S.	0113908219	July 2013	CSE	A Method to Enhance Data Storage	19/01/2021	Dr. S.H. Krishna Veni	01.10.2013

Sl. No.	Name of the Scholar	Registration Number	Year of Registration	Department	Title	Date of Viva	Supervisor Name	Date of Joining
					Security on Cloud Computing Environments			
22.	Pooja S.B	1116930102	2016	CS	Improved Data Mining Scheme for Weather Forecasting	19/02/2021	Dr. R.V. Siva Balan	19.08.16
23.	Reshma V.K	1116908210	2016	CSE	Certain investigations on medical image steganography based on pixel prediction using optimized machine learning classifier	23/02/2021	Dr. R.S. Vinod Kumar	20.08.16
24.	Yasir Aslam	1115910103	2015	ECE	Design and Development of Intelligent Defect Detection on Metallic Coated Surfaces	03/03/2021	Dr. N. Santhi	05.08.15
25.	Delbio A	1117912101	2017	English	Psychological Aspects of Second Language Acquisition – A Study on Learners Perceptions	19/03/2021	Dr. M. Ilankumaran	08.08.17
26.	S. Silan Tharakan	0113917207	2013	Mechanical	Development and Characterization of Mg-3Zn-1Cu-0.7Mn Alloy Reinforced with Hybrid Al ₂ O ₃ Composites	19/03/2021	Dr. M. Siva Pragesh	14.08.13

Sl. No.	Name of the Scholar	Registration Number	Year of Registration	Department	Title	Date of Viva	Supervisor Name	Date of Joining
					through Powder Metallurgy			
27.	Subhashini R	1116907102	2016	CAS	An Efficient Machine Learning Approach In Diagnosing Chronic Kidney Disease	30/03/2021	Dr. M.K. Jayakumar	20.08.16
28.	Kuruvilla John	1116910204	2016	ECE	Analysis of Clock Gating, Conditional Pulse Enhancement and Signal Feed-Through in Pulse-Triggered FLIP-FLOPS	31/03.2021	Dr. R. S. Vinod Kumar	17.08.16
29.	G. Venifa Mini	1111908206	January 2011	CSE	A Novel Approach for Data Security and Privacy in Cloud Computing	07/04/2021	Dr. K.S. Angel Viji	07.03.11
30.	Subash S	1115903101	2015	Automobile	Characterization of Natural Hybrid Composites for Automobile Applications	12/04/2021	Dr. B. Stanly Jones Retnam	05.08.2015
31.	Reni K. Cherian	0113908209	2013	CSE	Agent-Based Intrusion Detection System for Manet	16/04/2021	Dr. A. Shajin Nargumam	05.08.13
32.	Swapna C	0113907204	2013	CAS	An Efficient Framework for the Classification of Plant Leaf Diseases Using Optimized	23/04/2021	Dr. R.S. Shaji	05.08.13

Sl. No.	Name of the Scholar	Registration Number	Year of Registration	Department	Title	Date of Viva	Supervisor Name	Date of Joining
33.	Shibu K.R	1116908212	2016	CSE	Shared Secret Key Generation Technique Using Traffic Load to Avoid Active and Colluding Attackers	28/04/2021	Dr. R. Suji Pramila	19.08.16
34.	Chandrakala K	1115910204	2015	ECE	Performance Evaluation of OFDM Based Digital Video Broadcasting Systems	07/05/2021	Dr. M.K.Jeyakumar	07.08.15

(b) Awarded (10th Convocation 08-10-2021):

Sl. No.	Name of the Scholar	Supervisor's Name	Faculty	Department	Title
1.	Thomas Chacko	Dr. A. Merlin Thanga Joy	MS	MS	Comparative Study on the Service Quality of the Kerala Tourism Development Corporation with Private (Star Category) Hotels in Kerala
2.	Sagi Rani C.	Dr. N. Joseph John	S & H	Physics	Studies on Nano Materials based on cadmium and Manganese compounds
3.	Roshan Sara Philipose	Dr. B.P. Sarasija	S & H	Mathematics	A Study on Unitary Cayley Graphs and Gutman Energy
4.	Deepa P.	Dr. M. Ilankumaran	S & H	English	Developing English Communication Skills Through Poetry – A Study with Reference to the Students at UG Level
5.	Smitha J. C.	Dr. S. Suresh Babu	ICE	CSE	Investigations on Pathological Tissue Segmentation and Classification of MRI

Sl. No.	Name of the Scholar	Supervisor's Name	Faculty	Department	Title
					Brain Images using Artificial Neural Networks
6.	Sruthy S.	Dr. S. Suresh Babu	ICE	CSE	Certain Investigation on Curved Document Image Analysis and Rectification
7.	Sugirtha Suni N. Y.	Dr. R. Ganapathi Raman	S & H	Physics	Investigations on the Structural, Vibrational and Optical Properties of NLO Materials
8.	Sreekanth S.	Dr. X. Felix Joseph	EEE	EEE	Analysis and Comparison of MPPT Based PV System under Partial Shading Condition with Different Types of Converter Configuration
9.	Gopika M. S.	Dr. B. Bindhu	S & H	Physics	Properties of PVDF-MoS ₂ Nanocomposite: Influence of MoS ₂ Modifier
10.	Jayalekshmi M. B.	Dr. S.H. Krishna Veni	ICE	CSE	A Combined Approach to Provide Security for Cloud Storage with Replica Management
11.	Jeyasheela Y.	Dr. S.H. Krishna Veni	ICE	CSE	An Efficient Data Structure for Data Mining Techniques
12.	Lekshmi Gangadhar	Dr. P.K. Praseetha	Technology	Nano Technology	Synthesis and Characterization of Semiconductor Quantum Dots for Optoelectronic Applications
13.	Balakrishnan N.	Dr. R. Rajesh	Mechanical	Mechanical	Study on Laser Welding of 304-Stainless Steel Joints, 304-Stainless Steel Metal Matrix Composites and HVOF Spray Coating in 304-Stainless Steel
14.	Anandan S.	Dr. R. Rajesh	Mechanical	Mechanical	A study of Condenser Material, Development of

Sl. No.	Name of the Scholar	Supervisor's Name	Faculty	Department	Title
					Model for Selection and effect of Sea Water on its Properties
15.	Dalmiya C. P.	Dr. N. Santhi	EEE	ECE	Development of Novel Change Detection Techniques for High Resolution Multitemporal Satellite Data
16.	Deepa V. T.	Dr. S. Amala Shanthi	EEE	ECE	Certain Investigations for Shielding Materials over Mobile Tower Radiation Hazards
17.	Samuel Blessed Nayagam P. V.	Dr. A. Shajin Narguman	CS	CS	Trusted Computing Based Security Architecture for Cloud Computing
18.	Shamim I.	Dr. R.C. Mehta	Mechanical	Mechanical	Performance Analysis of Air-Flow, Temperature and Comfort Inside the Passenger Car
19.	Kalyani Sreekumar	Dr. B. Bindhu	S & H	Physics	Development of Exfoliated Molybdenum Disulphide Reinforced Polylactic Acid/Alginate Composite Films Focussed Towards Potential Packaging Applications
20.	Priya C. V.	Dr. Angel Viji K.S	ICE	CSE	Metaheuristic Algorithm Based Anomaly Detection Using Behavioral Analysis
21.	Sreeja P.	Dr. L. Padma Suresh	EEE	EIE	FPGA Implementation and Performance and Modified Carrier RPWM for three Phase Inverter
22.	Denslin Braja D. R.	Dr. V.S. Dharun	ICE	CSE	Novel Design of Block Based Visual Cryptography Techniques for Digital Images

Sl. No.	Name of the Scholar	Supervisor's Name	Faculty	Department	Title
23.	Priya P. Sajan	Dr. S.S. Kumar	ICE	CAs	Parallelization of Digital Image Segmentation in Shared Memory Multicore Systems
24.	Rajesh K. R.	Dr. R. Ganapathi Raman	S & H	Physics	Measurement and Analysis of Photoneutron from Medical Linear Accelerator
25.	Muhammed Anshad P. Y.	Dr. S.S. Kumar	EEE	ECE	Automatic Segmentation of Chondroblastoma Using X-Ray Images
26.	Gayathri A. R.	Dr. D. M. Mary Synthia Regis Prabha	EEE	EEE	A Novel Hybrid Optimization for Tuning PID Controller of Solar Photovoltaic Array Fed Landsman Converter
27.	S. L. Senthil Lekha	Dr. S.S. Kumar	EEE	ECE	Land Use Land Cover Classification of Kanyakumari District Using Satellite Imagery
28.	Sajitha A. V.	Dr. A.C. Subhajini	ICE	CAs	Designing and Evaluation of Energy Efficient Dynamic Virtual Machine Consolidation for Green Cloud Computing
29.	Beshiba Wilson	Dr. Julia Punitha Malar Dhas	ICE	CSE	Identification of Iron Deposition in Brain Using Magnetic Resonance Imaging
30.	Siva Bala P.	Dr. M.S. Ravi Kumar	Civil	Civil	Mechanical Properties of Self Compacting Concrete Using Crushed Sand and Hybrid Fibres
31.	Shameer A. P.	Dr. A.C. Subhajini	ICE	CAs	Efficient Load Balancing Techniques for Improving Performance in Cloud Using Hybridized Metaheuristic

Sl. No.	Name of the Scholar	Supervisor's Name	Faculty	Department	Title
					Optimization Algorithms
32.	Lim J. Seelan	Dr. L. Padma Suresh	EEE	EEE	An Optimized Lung Lesion Classification System for Computed Tomography Images
33.	Dileep V. K.	Dr. R.V. Siva Balan	ICE	CSE	Web Service Rank Determination Using a Novel Integration Framework

(c) M.Phil. Awarded Academic Year 2019-2020:

Year	CS	MS	Maths	English	Physics	Chemistry	Bio Tech.	Total
2020-21	06	03	06	05	02	01	-	23

6. Activities of the R & D:

Sl.No.	Particulars	Dates	Participants
1.	A Workshop on Research Methodology for Ph.D. Scholars, organized by the Board of Research, Development and Consultancy, at the Noorul Islam Centre for Higher Education, Kumaracoil, India	December 11-20, 2020	86
2.	Seminar/ Conferences, Etc	-	-

From Your Ph.D./Masters Thesis to a Startup

Date on 23.04.2021

List of Attendees

Sl. No.	Name of the Scholar	Registration Number	Department	Name of the Supervisor	Remark
1.	Mahendra K. S.	1120914205	Management Studies	Dr. K. Sreeranganathan	YES
2.	S.SUBHA	2119907201	CAs	Dr. U. Kumaran	YES
3.	Preethi S.	1117909206	EEE	Dr. H. Vennila	YES
4.	Manoj K	1120914207	MS	Dr. K. Sreeranganathan	YES
5.	Sree Lakshmi V	1120907209	CAs	Dr. J. R. Jeba	YES
6.	Adlin J. N.	1120910201	ECE	Dr. G. Arockia Selva	YES
7.	Jisha Isaac	1120907202	CAs	Dr. R. V. Siva Balan	YES
8.	Ayesha Ziana M.	1120930101	CS	Dr. J. Charles	YES
9.	Reena Catherine V.	1117930202	CS	Dr. A. Shajin Nargunam	YES
10.	MuthuMeena K.	1120930102	CS	Dr. J. P. Jayan	YES
11.	GijiKiruba D.	1120909201	EEE	Dr. J. Benita	YES
12.	Kedarnath M. P.	1120917202	Mechanical	Dr. N. Ramasamy	YES
13.	H. Mohamed Khan	1118930201	CS	Dr. P. Venkadesh	YES
14.	Asiya	1120908201	CSE	Dr. N. Sugitha	YES
15.	Binu Kumar N. S.	1120914203	MS	Dr. K. Sreeranganathan	YES

16.	Roshy Thomas	1120907207	CAs	Dr. J. R. Jeba	YES
17.	AhilaJeyanti D.	1118916101	Maths	Dr. T. M. SelvaRajan	YES
18.	Remya J	2119916101	Maths	Dr. M. Sudha	YES
19.	ThangaSubha Devi M.	1120908209	CSE	Dr. R. SujiParmila	YES

Why IP is Important in Academia?

Dated on 26.04.2021

List of Attendees

Sl. No.	Name of the Scholar	Registration Number	Department	Name of the Supervisor	Remark
1.	Malini G. Unnithan	1120914206	MS	Dr. K. A. Janardhanan	YES
2.	Mahendra K. S.	1120914205	MS	Dr. K. Sreeranganathan	YES
3.	Preeda P	1118920201	Physics	Dr. R. Ganapathi Raman	YES
4.	Mary Bearly E.	1119913201	IT	Dr. R. Chitra	YES
5.	Ahila T	1119907101	CAs	Dr. A. C. Subhajini	YES
6.	Sarika S.	1120909202	EEE	Dr. S. Anitha Janet Mary	YES
7.	ArathiChandra n R. I.	1120907201	CAs	Dr. V. Mary AmalaBai	YES
8.	Binu Kumar N. S.	1120914203	MS	Dr. K. Sreeranganathan	YES
9.	Reena Catherine V	1117930202	CS	Dr. A. ShajinNargunam	YES
10.	Margret Vijay	1120930203	CS	Dr. J. P. Jayan	YES
11.	ThangaSubha Devi M.	1120908209	CSE	Dr. R. SujiParmila	YES
12.	Muthulakshmi S.	1119908210	CSE	Dr. R. Chitra	YES
13.	Sree Lakshmi V.	1120907209	CAs	Dr. J R Jeba	YES
14.	Binildas C. A.	1120914202	MS	Dr. K. A. Janardhanan	YES
15.	Rajasree G.	1120907206	CAs	Dr. R. Mathusoothana S. Kumar	YES
16.	Abdul Muhammed Rasheed	1120930201	CS	Dr. R. Mathusoothana S. Kum	YES
17.	Bindhya P. S.	1119908203	CSE	Dr. R. Chitra	YES
18.	AsvithaValli S.	1120906201	Civil	Dr. M. S. Ravi Kumar	YES
19.	Kedarnath M. P.	1120917202	Mechanical	Dr. N. Ramasamy	YES
20.	Adlin J. N.	1120910201	ECE	Dr. G. ArockiaSelvaSaroj a	YES
21.	Shanu N.	1118910209	ECE	Dr. R. S. Ganesh	YES

22.	Arthi D.	1119905201	Chemistry	Dr. J. Joseph	YES
23.	Vijila B.	1118905101	Chemistry	Dr. J. Joseph	YES
24.	Divya J.	1119912202	English	Dr. J. Chriso Ricky Gill	YES
25.	Careena P	1117910203	ECE	Dr. Mary Synthuja Jain Preetha	YES
26.	Jude Fernandez	1118920101	Physics	Dr. B. Bindu	YES
27.	Aswani K	1118910201	ECE	Dr. D. Menaka	YES
28.	Roopa.R.Kumara	1120912102	English	Dr M. Ilankumaran	YES
29.	Thanisha S Muhammed	1120912103	English	Dr M. Ilankumaran	YES

7. Details of the Fellowships Obtained:

Sl. No.	Name	Department	Funding Agency	Amount of Fellowship/Month
1.	Dalmiya C.P	ECE	DST-Inspire	Rs. 28,000/-
2.	Krishna Jyothi R R	Chemistry	DST-JRF – Inspire	Rs. 28,000/-
3.	Shanila N	ECE	UGC-Maulana Azad National Fellowship	Rs. 25,000/-
4.		Chemistry	DST-JRF – Inspire	Rs. 28,000/-
5.	Ms. Shamsiya Shams	Physics	DST-Inspire Fellowship	Rs. 28,000/-

8. Details of the Stipend Provided:

Sl. No.	Name of the Research Scholar	Department	Institution	Amount in Rs.
1.	Abisha Y.	Civil Engineering	NICHE	Rs. 8,000/-
2.	Remya J.	Mathematics	NICHE	Rs. 6,000/-
3.	Berlin Push P.	Mechanical Engineering	NICHE	Rs. 8,000/-
4.	ParvathyChandran R.	Nano Technology	NICHE	Rs. 6,000/-
5.	Abisha M. R.	Civil	NICHE	Rs. 8,000/-
6.	Dharsana M.	Civil	NICHE	Rs. 8,000/-
7.	Shajan V.C.	Civil	NICHE	Rs. 8,000/-
8.	Ahila T.	Computer Applications	NICHE	Rs. 6,000/-
9.	Vinny Mary A.	Computer Science	NICHE	Rs. 6,000/-
10.	Ajin K. Ajai	Computer Science and Engineering	NICHE	Rs. 8,000/-
11.	Russelin R.P.	EEE	NICHE	Rs. 8,000/-
12.	Prem Narayanan	Mechanical Engineering	NICHE	Rs. 8,000/-
13.	Neeraja S M.	Physics	NICHE	Rs. 6,000/-
14.	AswathyChandran Y.C.	Physics	NICHE	Rs. 6,000/-
15.	Muthu Meena.K	CS	NICHE	6,000/-
16.	Jebin Bose S.	CSE	NICHE	8,000/-
17.	Nisha V L	ECE	NICHE	8,000/-
18.	Sreelakshmi T. P.	Maths	NICHE	6,000/-
19.	Harish K.R.	Mechanical	NICHE	8,000/-
20.	Haneesha G.	MS	NICHE	6,000/-
21.	Afna A. S.	MS	NICHE	6,000/-
22.	Gayathri V. Nair	MS	NICHE	6,000/-
23.	Aromal M. Vijay	Physics	NICHE	6,000/-

24.	Faiyazudeen G.	Physics	NICHE	6,000/-
25.	Shamsiya Shams	Physics	NICHE	6,000/-

9. Details of Ph.D. Admissions 2020-21:

Sl. No.	Programme	Applications Received	Attended Entrance Exam	Called for Interview	Selected for Registration
1.	Aeronautical Engineering	03	01	01	01
2.	Biomedical Engineering	05	01	00	00
3.	CAs	37	19	11	09
4.	Chemistry	17	08	02	02
5.	Civil Engineering	38	17	09	07
6.	CS	24	18	07	06
7.	CSE	76	29	11	11
8.	ECE	49	20	08	08
9.	EEE	24	10	04	03
10.	EIE	05	02	00	00
11.	English	91	29	12	07
12.	IT	05	04	01	00
13.	Mathematics	26	12	05	05
14.	Mechanical Engineering	34	18	13	08
15.	MS	67	36	17	11
16.	Nano Technology	17	06	02	02
17.	Physics	15	10	06	06

10. Ph.D. Scholars Admitted Details During 2020-21:

(a)

Sl. No.	Department	Full Time		Part Time	
		M	F	M	F
1.	Aeronautical	-	-	01	-
2.	CAs	-	-	03	06
3.	Chemistry	-	-	-	02
4.	Civil Engineering	-	-	04	03
5.	CS	-	03	03	-
6.	CSE	01	-	02	08
7.	ECE	-	01	04	03
8.	EEE	-	-	01	02
9.	English	-	03	01	03
10.	Maths	-	01	-	04
11.	Mechanical Engineering	01	-	07	-
12.	Management Studies	-	03	07	01
13.	Nano Technology	-	-	-	02
14.	Physics	02	01	03	-
	Total	04	12	36	34

(b)

Sl.	Year	Category	Total Scholars	Total Scholars
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No.			Male	Female	Engineering	Non Engineering	MBA
1.	July-20	FT	4	12	3	10	03
		PT	36	34	35	27	08
		Total	40	46	38	37	11

11. Details of NET/SET/CSIR/ Qualified Students:

Sl. No.	Name	Department	Year	Exams	Supervisor Name
1.	Manju C. C.	CSE	2017-18	NET	Dr. M. Victor Jose
2.	O. Rakesh	ECE	2018-19	GATE	Dr. T.K. Sreeja
3.	K. Rajini	English	2018-19	SET	Dr. V.S. Bindhu
4.	B. S. Farzana	English	2018-19	NET	Dr. M. Rakesh Babu
5.	P. Preeda	Physics	2018-19	SET	Dr. R. Ganapathi Raman
6.	Nikhil G. Kurup	ECE	January-2019	GATE	Dr. K.S. Vijula Grace
7.	Merlin Revathy S.	ECE	January-2019	GATE	Dr. S. S. Kumar
8.	Amal M. R.	CSE	January-2019	GATE	Dr. R.V. Sivabalan
9.	Nandakumar N	EEE	2019-20	GATE	Dr. V. A. Tibbie Pon Symon
10.	Jisha V.G.	English	2019-20	SET	Dr. J. Chriso Ricky Gill
11.	Nisha N.P.	Civil	2019-20	GATE	Dr. J. Prakash Arul Jose
14.	Deepu N, Bhardan	ECE	2019-20	GATE	Dr. G. Arockia Selva
15.	Priya C. V.	Civil	2020-21	GATE	Dr. M. S. Ravi Kumar
16.	Ayesha Ziana M.	CS	2020-21	NET,	Dr. J. Charles
17.	Kishor R.	ECE	2020-21	GATE	Dr. R. S. Vinod Kumar
18.	Meera A. S.	English	2020-21	NET,	Dr. R. Jinu
19.	Sherin Rahman	English	2020-21	NET	Dr. R. Jinu
20.	Mahizha J. C.	Mathematic	2020-21	SET	Dr. M. Immaculate Mary

12. Details of the Patents:

Category	Filed		Published		Examined		Created	
	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative	19-20	Cumulative
Faculty Member	15	15	4	4	4	4	0	0
Students	3	3	0	0	0	0	0	0

(a) Overall Status:

Status	Number off
Granted	6
Examination	17
Published	18
Filed	59
Disposed	18

(b) Details

Sl. No.	Name and Address of the Applicant	Title of Patent	Reference Number	Status
1.	Dr. V. P. Kulkarni, Former Director of Research, NICHE	Artificial Vision Implant Device AVID	201348	Granted
2.	Dr. N. Chandrasekhar, Pro Vice Chancellor,	Sun Tracker Device (STD)	251549	Granted

	Professor, Department of Mechanical Engineering, NICHE			
3.	Dr. A. E. Muthunayagam, Advisor, NICHE	A Process, System and Configuration for Desalinization of Sea Water	196396, (141/MAS/2003)	Granted
4.	Dr. M. Murugan, Professor, BME, NICHE	Smart Food Feeder for Stroke/Coma/Elderly Bedridden Patients	5786/CHE/2015	Examination
5.	Dr. M. Murugan, Professor, BME, NICHE	Hand Finger Operated System for Sound Production of Characters in Languages Useful for Speed	5787/CHE/2015	Examination
6.	Dr. N. Chandrasekhar, Pro Vice Chancellor, Professor, Department of Mechanical Engineering, NICHE	Hydraulic Sun Tracker (HST)	1153/CHE/2005	Granted
7.	Dr. A. E. Muthunayagam, Advisor, NICHE	Integrated Ocean Energy cum Desalination System for Ocean Waters	CHE/3547/2010	Examination
8.	Mr. M. S. Faizal Khan, Pro Chancellor, NICHE	NIUSAT; A Nano Satellite	E-2/3329/2017-CHE	Examination
9.	Dr. R. C. Mehta, Department of Aeronautical Engineering, NICHE	Image Processing Algorithm for Fringe Analysis in Photoelasticity	E-2/3332/2017-CHE	Examination
10.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Drill Jig for Spherical Objects	E-2/3327/2017-CHE	Examination
11.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Application of an Integrated RE/RP/CAD/CAM/ System for 3D Printing Process Materials for Robot ARM	E-2/3328/2017-CHE	Examination
12.	Mr. Rohith I. J., Assistant Professor, Department of Aeronautical Engineering, NICHE	Drag Reduction in Aircraft Wing by Inducing Surface Roughness	E-2/3331/2017-CHE	Examination
13.	Dr. A. Shajin Nargunam, Professor, Department of Computer Science and Engineering, NICHE	Cloud Based Hybrid Processor Pool Architecture for Sustaining Mobile Assisted Automated Disaster Support System	5613/CHE/2015	Examination
14.	Dr. A. Shajin Nargunam, Professor, Department of Computer Science and	Mobile Assisted Automated Disaster Support System	5780/CHE/2015	Examination

	Engineering, NICHE			
15.	Dr. A. Shajin Nargunam, Professor, Department of Computer Science and Engineering, NICHEE	Trusted Computing Based Security Architecture for Mobile Cloud Computing	5780/CHE/2015	Examination
16.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Abrasive, Magnetic Field and Ultrasonic Vibration Assisted Micro - AMP for Electro Chemical Machining	5610/CHE/2015	Examination
17.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy Gadget – Beam Direction	5608/CHE/2015	Examination
18.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Innovative Gasifier Design	5606/CHE/2015	Examination
19.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Modular Reconfiguration Safety Robot	5599/CHE/2015	Examination
20.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy	5591/CHE/2015	Examination
21.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Hybrid Wind Solar Domestic Power Supply System	5593/CHE/2015	Examination
22.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy Gadget- Styrofoam Cutter	5607/CHE/2015	Examination
23.	Mr. Dharan, Department of Mechanical Engineering, NICHE	Next Generation Power Plant	4292/CHE/2014	Examination
24.	Dr. G. Ramadas, Deputy Librarian, NICHE	Manless Smart Library Management System Using AGVS and Robot	E-2/2943/2018 - CHE	Examination
25.	Dr. J. P. Jayan, Associate Professor, Department of Software Engineering, NICHE	Vehicle Information Sharing System Using Artificial Intelligence	E-2/2445/2018 – CHE	Examination
26.	Dr. P. K. Praseetha, Professor, Department of Nanotechnology, NICHE	Carbon Quantum Dots can Act as the Powerful Wound Healant	E-3/18311/2019- CHE	Published

27.	Dr. P. K. Praseetha, Professor, Department of Nanotechnology, NICHE	Ficus Bengalensis Derived Eicosane Loaded Iron Oxide Nanoparticles to Combat Melanoma	E-2/18315/2019-CHE	Published
28.	Dr. R. Mathusoothana S. Kumar, Professor, Department of Information Technology, NICHE	Internal Intrusion Detection and Prevention System by Using Data Mining and Cryptographic Techniques	E-3/18309/2019-CHE	Published
29.	Dr. B. Bindhu, Professor, Department of Physics, NICHE	Sol Gel Synthesis of PB0.98B10.02ZRO.52T10.48O ₃ Nanoceramics	E-3/18301/2019-CHE	Published
30.	Dr. G. Arockia Selva Saroja, Department of Electronics and Communication Engineering, NICHE	Automatic Speed Control System in Automobiles Using RF Signal	E-3/18308/2019-CHE	Published
31.	Dr. S. Maria Celestin Vigila, Department of Information Technology, NICHE	Fusion of DNA Sequence and Hyper Chaotic Technique for Securing Medical Image Applications	E-3/18303/2019-CHE	Published
32.	Dr. J. Edwin Raja Dhas, Professor Department of Automobile Engineering, NICHE	Design and Development of Inbuilt Hydraulic Jack for Automobiles	E-3/18318/2019-CHE	Published
33.	Ms. Shanila N., Ph.D. Research Scholar, Department of Electronics and Communication Engineering, NICHE	Artificial Intelligence Based Liver Cancer Detection System (Livernet)	E-3/18313/2019-CHE	Published
34.	Mr. S U Sujeesh, UG Student, Department of Electrical and Electronics Engineering, NICHE	Maximum Energy Conservation Using 3 Port Converter in Hybrid Energy System	E-3/18321/2019-CHE	Published
35.	Dr. S. Palanikumar, Associate Professor, Department of Information Technology, NICHE	Face Image Detection Using Color Model	E-3/18300/2019-CHE	Published
36.	Mr. I. Shunmugam, PG Student, Department of EIE, NICHE	An Algorithmic Approach Based FO-PID Tuning of a Real Time Conical Tank Process Used in Waste Water	E-3/18305/2019-CHE	Published
37.	Dr. Brindha T., Associate Professor, Department of Information Technology, NICHE	A Secured Access Control Technique Based on RFID Using 8051 Microcontroller	E-3/18313/2019-CHE	Filed

38.	Dr. B. Bindhu, Professor, Department of Physics, NICHE	Low Temperature Synthesis of Calcium and Hafnium Co-Doped Barium Titanate Nano Ceramics	E-3/18312/2019- CHE	Publishe d
39.	Sumi M. S., Ph.D. Research Scholar, Department of Electronics and Communication Engineering, NICHE	An Energy Efficient Cluster Based Cooperative Spectrum Sensing with Minimum Distance Criteria	E-3/18303/2019- CHE	Publishe d
40.	Ms. J. Nancy Mary, PG Student, Department of Software Engineering, NICHE	Treatment Advisor Machine Enhanced with AI	E- 2/3211/2019CHE	Publishe d
41.	Dr. R.Kalaiselvi, Associate Professor, Department of Computer Science and Engineering, NICHE	Secure Data Outsourcing in Cloud Environment and a Method Thereof	202041019790	Publishe d
42.	Dr. Siva Sankar, Associate Professor, Department of Information Technology, NICHE	Design of Multidimensional Cartesian Gantry Robotic Systems for Building Construction	202041021483	Publishe d
43.	Mr. K.Eqbert, Assistant Professor, Department of Mechanical Engineering, NICHE	Design and Analysis of Die Casting	E-2/2469/2020- CHE	Filed
44.	Mr. Leo Bincy, UG Student, Department of Mechanical Engineering, NICHE	Earth air Heat Exchanger with Water Injection and Humanity Control for Horticulture	202041045447	Filed and Published
45.	Mr. Leo Bncy, UG Student, Department of Mechanical Engineering, NICHE	A Solar Air Heater Based Human Body Drier	202041045451	Filed and Published
46.	Mr. S.Raja, Assistant Professor, Department of Mechanical Engineering, NICHE	Design and Fabrication of Handicapped Vehicle	E-2/2468/2020- CHE	Filed
47.	Dr.P.Venkadesh, Assistant Professor, Department of Computer Science and Engineering, NICHE	Subtractive Gradient Boost Clustering for Mobile Node Authentication in Lot Aware 5G Networks	E-2/2472/2020- CHE	Filed
48.	Dr.C.P.Maheswaran, Associate Professor, Department of Computer Science and Engineering, NICHE	Smart Automation System for Securing Home Using Novel Microcontroller	E-2/2531/2020- CHE	Filed

49.	Dr.A.M.Anusha Bamini, Assistant Professor, Department of Computer Science and Engineering, NICHE	Enhanced Air Quality Monitoring System Using IOT	E-2/2528/2020- CHE	Filed
50.	Dr.C.P.Maheswaran, Associate Professor, Department of Computer Science and Engineering, NICHE	An Improved Secure- Aware Multipath Routing Protocol, in Wireless Sensor Network Using Stom Search	E-2/2470/2020- CHE	Filed
51.	Dr.B.Bindhu, Professor, Department of Physics, NICHE	Effective Modification of Boron Nitride for Thermal Conductivity Enhancement of Therm T/F-32 Fluid	E-2/2489/2020- CHE	Filed
52.	Dr.B.Bindhu, Professor, Department of Physics, NICHE	A Polymer Composite Film From Gum Arabic Polymer Composite Using Ferrous- Sulphate Doped Exfoliated	E-2/2488/2020- CHE	
53.	Dr.B.Bindhu, Professor, Department of Physics, NICHE	A Polymer Composite Film Sodium Alginate and Ferrous-Sulphate Doped Boron Nitride	E-2/2486/2020- CHE	Filed
54.	Dr.J.R.Jeba, Associate Professor, Department of Computer Applications, NICHE	Frequent Itemsets Mining with Differential Privacy Over Large Scale Data	E-2/2473/2020- CHE	Filed
55.	Dr.J.R.Jeba, Associate Professor, Department of Computer Applications, NICHE	Combinational Semantic Approach for Efficient Data Extraction From Multiple Documents	E-2/2479/2020- CHE	Filed
56.	Dr.V.A.Tibbiepon Symon, Assistant Professor, Department of Electrical and Electronics Engineering, NICHE	Demand Side Management for Hybrid Renewable Energy Systems Performance Comparison	E-2/2477/2020- CHE	Filed
57.	Mr. Akmal Rafi, UG Student, Department of Computer Science and Engineering, NICHE	IOT Based Home Automation	E-2/2539/2020- CHE	Filed
58.	Mr. Jegan, Assistant Professor, Department of Mechanical Engineering, NICHE	Analysis of Vertical Axis Wind Turbine Rotors	E-2/2533/2020- CHE	Filed
59.	Mr. A.Maria Subash, Assistant Professor, Department of Aeronautical Engineering, NICHE	AI & Robotics Technology in Aviation Industry	E-2/2500/2020- CHE	Filed
60.	Mr. C.Karthikeyan, Assistant Professor, Department of Aircraft	Multipurpose Agriculture Rover (Agrover)	E-2/2523/2020- CHE	Filed

	and Maintenance Engineerig, NICHE			
61.	Mr. D.Derlin Jino, Assistant Professor, Department of Aeronautical Engineering, NICHE	Generation of Lift by Using coanda effect	E-2/2508/2020-CHE	Filed
62.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development of Hollow Pipe Friction Stir Welding	E-2/247/2020-CHE	Filed
63.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Copper Tube Inserted Slab Cooling System for Building Roof	E-2/2525/2020-CHE	Filed
64.	Mr. Kitheon Jose, UG Student, Department of Marine Engineering, NICHE	Air Lubrication for Ship Hull	E-2/2481/2020-CHE	Filed
65.	Mr. S.Selvam Nambi, Assistant Professor, Department of Mechanical Engineering, NICHE	Design and Analysis of Constant Pressure Gas Ejector	E-2/2499/2020-CHE	Filed
66.	Mr. Goutham B L, PG Student, Department of Physics, NICHE	Temperature Controlled Bathe	E-2/2506/2020-CHE	Filed
67.	Mr. Sengunthar Ranjeet, UG Student, Department of Marine Engineering, NICHE	Design and Analysis of a Composite Aircraft Rudder	E-2/2510/2020-CHE	Filed
68.	Dr.Praseetha P.K., Professor, Department of Nanotechnology, NICHE	Carbon Quantum Dots Stabilized Transdermal Patches with Aloe Vera for Healing Diabetic Wounds	E-2/2535/2020-CHE	Filed
69.	Dr.J.Joseph, Professor, Department of Chemistry, NICHE	Nano Coatings in the Mask Contribute Impressively Protect the Transmission of VCOVID-19 Pandemic	E-2/2519/2020-CHE	Filed
70.	Dr.Vennila H, Associate Professor, Department of Electrical and Electronics Engineering, NICHE	Complete Static and Dynamic Load Dispatch by Meta-Heuristic Algorithms	E-2/2476/2020-CHE	Filed
71.	Ms. Safrin. S.Assisatant Professr, Department of Computer Science and Engineering, NICHE	Dynamic Greedy Faceted Product Search Engine	E-2/2492/2020-CHE	Filed

72.	Mr. Karan Ganesh, UG Student, Department of Aeronautical Engineering, NICHE	Acoustic Analysis of a High Bypass Turbofan Engine	E-2/2496/2020-CHE	Filed
73.	Mr. Jessysonia S. P., UG Student, Department of Aeronautical Engineering, NICHE	Study and CFD Analysis of Reusable Launch vehicle Delta Wing for Mars Mission	E-2/2520/2020-CHE	Filed
74.	Dr.R.Suji Pramila, Associate Professor, Department of Computer Science and Engineering, NICHE	Secure Protocol Design for Patient Monitoring	E-2/2527/2020-CHE	Filed
75.	Mr. Jebin Bose S., Ph.D. Research Scholar, Department of Computer Science and Engineering, NICHE	An Enhanced Security Mechanism for Secure Communication in Internet of Things	E-2/2485/2020-CHE	Filed
76.	Mr. D.Derlin Jino, UG Student, Department of Aeronautical Engineering, NICHE	Generation of Lift by Using Coanda Effect	E-2/2508/2020-CHE	Filed
77.	Dr.Venkateshwaran. K., Assistant Professor, Department of Allied Health and Sciences, NICHE	Carbon Quantum Dots Stabilized Transdermal Patches with Aloe Vera for Healing Diabetic Wounds	E-2/2490/2020-CHE	Filed
78.	Dr.A.Anitha, Associate Professor, Department of Computer Science and Engineering, NICHE	IOT Based Embedded Lock Monitoring System Using Arduino Nano Microcontroller	E-2/2537/2020-CHE	Filed
79.	Mr. Bibin R., UG Student, Department of Aeronautical Engineering, NICHE	Analyzing the Performance of Drone in Multiple Criteria	E-2/2526/2020-CHE	Filed
80.	Ms.R R. Krishna Jyothi, Ph.D. Research Scholar, Department of Chemistry, NICHE	Mixed Ligand Metal Complexes with Flavone Derivative and 1,10-Phenanthroline Towards Production	E-2/2532/2020-CHE	Filed
81.	Dr.P. Sujatha Therese, Professor, Department of Electrical and Electronics Engineering, NICHE	Analytically Tuned Self Tuning Fuzzy PI Controller for Drilling Process	E-2/2475/2020-CHE	Filed
82.	Ms. B.Vijila., Ph.D. Research Scholar, Department of Chemistry, NICHE	Removal of Fluoride with Rice Husk Derived Form Agro Waste materials	E-2/2524/2020-CHE	Filed

83.	Ms. D.Arthi, Teaching Assistant, Department of Chemistry, NICHE	Copper Complexes with Pyrazoline Derivatives as Optoelectronics Materials: Design, Synthesis, Characterization	E-2/2540/2020-CHE	Filed
84.	Ms. E H Edinsha Gladis, Teaching Assistant, Department of Chemistry, NICHE	Nutritional Formulations from Natural Spices Contains Active Chemical Constituents Battle Against CO	E-2/2513/2020-CHE	Filed
85.	Ms. J.Michael Anitha Jose, Teaching Assistant, Department of Chemistry, NICHE	Copper Complexes with Pyrazoline Derivatives as Optoelectronics Materials: Designs, Synthesis, Characterization	E-2/2517/2020-CHE	Filed
86.	Ms. Sharow Geeth Vincent, Ph.D. Research Scholar, Department of Chemistry, NICHE	Tetradentate Antimalarial Agents From Flavone Derivatives Synthesis and Characterization	E-2/2516/2020-CHE	Filed
87.	Dr. R. Chitra, Associate Professor, Department of Computer Science and Engineering, NICHE	Development of Cad System for Heart Attack Prediction in Indians from Cloud Healthcare Data Using intelligent algorithms	E-2/2471/2020-CHE	Filed
88.	Dr. S.Jenkinshexleydhas, Assistant Professor, Department of Mechanical Engineering, NICHE	Design and Analysis of Motor Cycle Handle Bar and Correlating IT with the Test Result	E-2/2511/2020-CHE	Filed
89.	Mr. Rahul Anjana, UG Student, Department of Marine Engineering, NICHE	Semisubmersible Heavy Lift Vessel	E-2/2483/2020-CHE	Filed
90	Mr. R.Ramesh Palappan, Assistant Professor, Department of Mechanical Engineering, NICHE	Optimisation of Electro Discharge Machining by Intelligent	E-2/2530/2020-CHE	Filed
91.	Mr. R.Ramesh Palappan, Assistant Professor, Department of Mechanical Engineering, NICHE	Hybrid Cycle	E-2/2534/2020-CHE	Filed
92.	Ms. S.Muthu Lakshmi, Ph.D. Research Scholar, Department of Computer Science and Engineering, NICHE	Highly Reliable user Modeling for Recommender System	202041039373	Filed

93.	Ms. M.Thebiga, Ph.D. Research Scholar, Department of Computer Science and Engineering, NICHE	Tracing Down and Thwarting of Blackhole Attacks in Manets Using a Secured Algorithm	202041039280	Filed
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13. Details of Awards and Recognition for Faculty Members:

Sl. No.	Awards/ Recognition	Name of the Awardee	Name of the Awarding Agency	Year of Award
1.	Research Ratha Awards	Dr.N.Sanathi	Rula	2020
2.	Elsevier Reviewer Recognition	Dr.G.M.Joselin Herbert	Editors of Sustainable Energy Technologies and Assessments	2020
3.	Certificate of Achievement in Who Online Course	Dr.J.Joseph	WHO	2019
4.	External Expert in Doctoral Committee Meeting	Dr.J.Joseph	Manonmaniam Sundaranar University	2019
5.	Out Standing Staff Achiever	Dr. N.Abilash	CADD	Jul-19
6.	Selection of Nanomaterials for Energy Harvesting and Storage Applications	Dr. G.M.Joselin Herbert	NPTEL Online Course	Aug-19
8.	Journal Reviewer	Dr. T. Brindha	The Journal of Supercomputing [p-ISSN: 0920-8542e-ISSN: 1573-0484]	2019
9.	Doctoral Committee Member	Dr. R. Mathusoothana S. Kumar	Centre for Research, Anna University, Chennai	2019
10.	Journal Reviewer	Dr.R.Mathusoothana .S.Kumar	IET Signal Processing, ISSN:1751-9683	2019
11.	Journal Reviewer	Dr.S.Maria Celestin Vigila	Imaging Science Journal ISSN: 1743-131X	2019
12.	Editorial Board Member	Dr.S.Palanikumar	Journal of Life Sciences Research E-ISSN : 2408-9184 P-ISSN : 2518-0126	2020
13.	Journal Reviewer	Dr.K.SivaSankar	Journal of Ambient Intelligence and Humanized Computing ISSN: 1868-5137	2020
14.	Doctoral Committee Member	Dr.S.Maria Celestin Vigila	Centre for Research, Anna University, Chennai	2019
15.	Doctoral Committee Member	Dr.S.Palanikumar	Centre for Research, Anna University,	2020

			Chennai	
16.	Technical Reviewer	Dr. J. E. Judith	Asian Journal of Research in Computer Science	2020
17.	Technical Reviewer	Dr. J. E. Judith	IEEE ACCESS	2020
18.	Technical Reviewer	Dr. R. Kalaiselvi	Communication Systems and Networks-2019 (Springer), Mar Baselios College of Engineering and Technology, Trivandrum	2019
	Best Researchers in Satellite Image Processing	Dr. N. Santhi	Research Ratha Awards	2019
	Reviewer	Dr. M Mary Synthuja Jain Preetha	International Conference on Networks, Image and Security (ICNIS-2019)	2019

14. List of Ongoing Projects:

(a) For Faculties:

Sl.No.	Name of Principal Investigator	Department	Title of the Project	Name of the Funding Agency	Year	Sanctioned Order No.	Sanctioned Date	Amount Rs.
1.	Dr. P.K. Praseetha	Nano Technology	FIST-Program	DST	2018-2022	SR/FST/ET-1/2017/87	16/01/2018	77 Lakhs
2.	Dr. P.K. Praseetha	Nano Technology	Microwave Assisted One Step Green Synthesis of Carbon Quantum Dots for Wound Healing Application	TNSCST	2019-2021	TNSCST/STP-PRG/AR/2018-2019	14/11/2019	3.31 Lakhs

(a) For Students:

Sl. No.	Name of Principal Investigator (s)	Department	Title of the Project	Name of the Funding Agency	Year	Sanctioned Order No.	Sanctioned Date	Amount Rs.
1.	Mr. Ajai Rasheed, Mr. Farook Jalal, Mr Rahul Krishnan R.B.	EEE	Performance Analysis of Solar Powered Electric Vechile	TNSCST	2019-20	TNSCST/SPS/AR/2019-20	18.03.2020	Rs. 7.500/-

2.	Mr. A. Abhimol, Mr L. Geethujoy and Mr. Krishnajith	MSc	IoT Based Dialysis Monitoring System	TNSCST	2019-20	TNSCST/SPS/AR/2019-20	18.03.2020	Rs. 7.500/-
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15. Details of the Project Applied:

(a) Central Government

Sl. No.	Name of the PI	Name of the CO-PI	Project Title	Agency	Cost of the Project	Date of Application
1.	Dr. G. M. Joselin Herbert Professor / Mechanical Engineering	Dr. M. Dev Anand/ Professor Mechanical Engineering	Wake Analysis of Wind Farm and Comparison of Various Wake Models	DST	15,17,200.00	27-06-2020
2.	Dr. Joseph/ Professor/ Chemistry	---	Sustainable waste Management Training for the Betterment of Society (Workshop)	SERB	4,50,000.00	18-08-2020
3.	Dr. P. K. Praseetha/ Professor/ Nano Technology	---	Production of Eco-Friendly Products From indigenous Agriculture Produces to Replace Plastics for Promoting the Per-Capita Income of Rural Women	DBT	44,00,000.00	18-08-2020
4.	Dr. Vengatesh/AP/ Allied Health Sciences	Dr. M. Murugan/ Professor/BME & Dr. J. Joseph Chemistry	Facility on Isolation of Novel Polysaccharide Polymers From Marine Seaweed for dry Development	DBT	46,31,720.00	19-08-2020
5.	Dr. J. Joseph/ Professor/ Chemistry	Dr. T. M. Sharma/AP and Mrs. E. H. Edinsha Gladis Chemistry	Techno-Economic Evaluations on Rubber Seed Pressing Leads to Biodiesel Production and Other Utility	DBT	38,00,000.00	21-08-2020

			Products Enables Employability			
6.	Dr. Julia Punitha Malar Dhas/Deputy Director RS	---	Workshop on Data Science Using Python (Workshop)	SERB	1,20,000.00	26-08-2020
7.	Dr. I. Sowmy/ASP/ BME	---	Design and Development of a Low Cost Automatic Leg Physical Therapy Assistive System for Bedridden Elders to Prevent and Recover from leg Musculoskeletal Disorders	DST	50,66,256.00	06-10-2020
8.	Dr. Shajin Nargunam/ Professor/ CSE	Dr. P. K. Praseetha, Professor/NT/ Dr. J. Joseph, Professor,/ Chemistry/ Dr. R. Ganapathi Raman/ Physics Dr. R.S. Rimal Isaac/NT	Fabrication of Sensors in Payload Development to assist Satellite Technology for Agricultural/ Environment monitoring	DST - PURSE	6,04,40,000.00	15-10-2020
9.	Dr. P. K. Praseetha/ Professor / NT	---	Carbon Quantum Dot supported Hydrophobic Silica Nano-Coating Against bio-Film Formation in Urinary Catheters and Implants	SERB	28,00,000.00	22.12.2020
10.	Dr. Julia Punitha Malar Dhas/ Professor/ CSE	---	Intelligent Waste Classification System for a Sustainable Planet	SERB	30,00,000.00	22.12.2020
11.	Dr. R. Chitra/	---	Intelligent	SERB	29,00,000.00	07.01.2021

	ASP/CSE		System for Electrical Energy Management in Educational Institution			
12.	Dr. H. Vennila/ ASP / EEE	---	A Noval Solution for Voltage Stability Enhancement with High Power Output by Examining 3 DC-DC Converters	SERB	29,16,200.00	08.01.2021
13.	Dr. B. Bindhu/Professor/ Physics	---	Preparation, Physical Properties and Applications of Biodegradable Polymer Composite Material	SERB	25,89,202.00	27.01.2021
14.	Dr. Shajin Nargunam/ Professor/ CSE	Dr. R. Ganapathi Ramanm Physics	NICHE-iTBI	DST	49,87,660.00	25.06.2021
Total					9,96,18,238.00	

16. Details of the Projects Sponsored by the Management:

Sl. No.	Name of the Incharge	Nature of the Project	Funds Sanctioned	Date of Commissioning	Short Description
1.	Dr. K. Muthuvel	Wind Mill	Rs. 275000.00	10.11.2020	AHS Building
2.	Dr. K. Muthuvel	Solar Plant	Rs. 700000.00	21.01.2020	Marine Hostel
3.	Dr. J.P. Jayan	Bio-Gas Plant	Rs. 200000.00	17.08.2020	Gents Hostel
4.	Dr. J.P. Jayan	Bio-Gas Plant (Society Service Oriented)	Rs. 100000.00	27.08.2020	DM Convent, Kumarakovil
5.	Dr. N. Shanthi	Weather Reporter	Rs. 264000.00	Under Processing	ECE
6.	Dr. N. Abilash	Plastic Crusher	Rs. 5000.00	11.11.2020	Mechanical
7.	Dr. Edwin Raja Dhas	Wheel Alignment	Rs. 182700.00	Under Processing	Auto Mobile
8.	Dr. N. Abilash	Industrial Mask	Rs. 300000.00	10.12.2020	Mechanical
9.	Dr. J. Joseph	Low Sodium Salt	Under Construction	-	Chemistry

Sl. No.	Name of the Incharge	Nature of the Project	Funds Sanctioned	Date of Commissioning	Short Description
10.	Dr. J. Joseph	Sanitizer	Rs. 10000.00	30.03.2020	Chemistry
11.	Dr. M. Murugan	Vermicompost	Rs. 50000.00	17.11.2020	Bio-Medical

17. Research Papers Publications in the SCOPUS / SCI and UGC Approved Journals Data Base in year 2019-20

(a) SCOPUS:

Year	Document Title	Authors	Journal Title	Volume	Issue	Citations		
						1904	1886	10583
2021	Orthogonal learning-based Gray Wolf Optimizer for identifying the uncertain parameters of various photovoltaic models	Xavier F.J., Pradeep A., Premkumar M., Kumar C.	Optik	247		0	0	0
2021	Feedback deer hunting optimization algorithm for intrusion detection in cloud based deep residual network	Sobin Soniya S., Maria Celestin Vigila S.	International Journal of Modeling, Simulation, and Scientific Computing	12	6	0	0	0
2021	LED light sources improved the essential oil components and antioxidant activity of two genotypes of lemon balm (<i>Melissa officinalis</i> L.)	Ahmadi T., Shabani L., Sabzalian M.R.	Botanical Studies	62	1	0	0	0
2021	Factors associated with informal caregiving and its effects on health, work, and social activities of adult informal caregivers in Malaysia: findings from the National Health and Morbidity Survey 2019	Kong Y.-L., Anis-Syakira J., Jawahir S., R'ong Tan Y., Rahman N.H.A., Tan E.H.	BMC Public Health	21	1	0	0	0
2021	A dual autoencoder and singular value decomposition based feature optimization for the segmentation of brain tumor from MRI images	Aswani K., Menaka D.	BMC Medical Imaging	21	1	0	0	0

20 21	Taylor-RNet: An approach for image forgery detection using Taylor-adaptive rag-bull rider-based deep convolutional neural network	Vinolin V., Sucharitha M.	International Journal of Intelligent Systems	36	11	0	0	0
20 21	Biogenesis of ZnO nanoparticles for revolutionizing agriculture: A step towards anti -infection and growth promotion in plants	Keerthana P., Vijayakumar S., Vidhya E., V.N P., Nilavukkara si M., PK P.	Industrial Crops and Products	170		0	0	0
20 21	A fuzzy multi-objective optimization model for a sustainable reverse logistics network design of municipal waste-collecting considering the reduction of emissions	Hashemi S.E.	Journal of Cleaner Production	318		0	0	0
20 21	Enhanced anti-biofilm activity of facile synthesized silver oxide nanoparticles against K. pneumoniae	Rajivgandhi G.N., Chenthis Kanisha C., Vijayakumar S., Alharbi N.S., Kadaikunna n S., Khaled J.M., Alanzi K.F., Li W.- J.	Journal of Inorganic and Organometallic Polymers and Materials	31	10	0	0	0
20 21	Comprehensive analysis with enhanced resolution of hawt blade using cfd	Raveendran A.L., Bala B.	Walailak Journal of Science and Technology	18	17	0	0	0
20 21	Eye health service uptake among people with visual impairment and other functional difficulties in Bangladesh: A cross-sectional study with short-term follow up	Sanders R., Gascoyne B., Appleby P., Rashida S.A., Jolley E.	International Journal of Environmental Research and Public Health	18	17	0	0	0
20 21	Energy conserving relay assistance for reporting users in	Sumi M.S., Ganesh R.S.	Sadhana - Academy Proceeding	46	3	0	0	0

	cognitive radio networks		s in Engineering Sciences					
20 21	Texture and quality analysis for face spoofing detection	Daniel N., Anitha A.	Computers and Electrical Engineering	94		0	0	0
20 21	Anti-bacterial effect of marine sea grasses mediated endophytic actinomycetes against K. pneumoniae	Almaary K.S., Alharbi N.S., Kadaikunnan S., Khaled J.M., Rajivgandhi G., Ramachandran G., Chenthis Kanisha C., Murugan M., Alanzi K.F., Manoharan N.	Journal of King Saud University - Science	33	6	0	0	0
20 21	Synthesis of MgO nanoparticles through green method and evaluation of its antimicrobial activities	Vijayakumar S., Nilavukkara si M., Praseetha P.K.	Vegetos	34	3	0	0	0
20 21	Hierarchical Fractional Quantized Kernel Least mean Square Filter in Wireless Sensor Network for Data Aggregation	Ninisha Nels S., Amar Pratap Singh J.	Wireless Personal Communications	120	2	0	0	0
20 21	Modified Chebyshev polynomial-based access control mechanism for secured data access in cloud computing environment	Benifa J.V.B., Mini G.V.	Service Oriented Computing and Applications	15	3	0	0	0
20 21	Nanocarrier-mediated topical insulin delivery for wound healing	Macedo A.S., Mendes F., Filipe P., Reis S., Fonte P.	Materials	14	15	0	0	0
20 21	Effect of Copper on Ageing Behavior and Breakdown Voltage Properties of	Somasekharan Pillai A., Linsely J.A.	Transactions on Electrical and	22	4	0	0	0

	Transformer Oil		Electronic Materials					
20 21	TAYLOR-MONARCH BUTTERFLY OPTIMIZATION-BASED SUPPORT VECTOR MACHINE for ACUTE LYMPHOBLASTIC LEUKEMIA CLASSIFICATION with BLOOD SMEAR MICROSCOPIC IMAGES	Bai G.M., Venkadesh P.	Journal of Mechanics in Medicine and Biology	21	6	0	0	0
20 21	Investigation on Post-Weld Heat Treated Titanium-Aluminum Dissimilar Laser Welded Joint	Chandran S., Rajesh R., Anand M.D.	Journal of The Institution of Engineers (India): Series C	102	4	0	0	0
20 21	Potential eco-friendly Zinc Oxide nanomaterials through Phyco-nanotechnology –A review	Vijayakumar S., Vidhya E., Nilavukkara si M., Punitha V.N., Praseetha P.K.	Biocatalysis and Agricultural Biotechnology	35		0	0	0
20 21	Improved ammonia vapor sensing properties of Al-doped ZnO nanoparticles prepared by sol-gel process	Poul Raj I.L., Gobalakrishnan S., Praseetha P.K., Chidhambaram N., Saravanakumar S., Ganesh V., Alfaify S., Algarni H., Yahia I.S.	Physica Scripta	96	8	0	3	3
20 21	Fabrication of Cost-Effective Nebulizer Sprayed In2S3 Thin Films for Photodetector Applications	Devi M.D., Juliet A.V., Isaac R.S.R., Ramudu M., Ganesh V., Bitla Y., Yahia I.S.	Journal of Electronic Materials	50	8	0	0	0
20	Comparative	Bello V.E.,	Alexandria	60	4	1	0	1

21	investigation of RSM and ANN for multi-response modeling and optimization studies of derived chitosan from Archachatina marginata shell	Olafadehan O.A.	Engineering Journal					
20 21	Optimization algorithms and intelligent techniques on electrical discharge machining process	Shyn C.S., Rajesh R.	International Journal of Modeling, Simulation, and Scientific Computing	12	4	0	0	0
20 21	Dual adaptive deep convolutional neural network for video forgery detection in 3D lighting environment	Vinolin V., Sucharitha M.	Visual Computer	37	8	0	0	0
20 21	A czezanowski's quantitative indexed fuzzy brown boost data clustering for wind power prediction in smart grid	Jency W.G., Judith J.E.	Journal of Theoretical and Applied Information Technology	99	12	0	0	0
20 21	Edge Computer-Enabled Internet of Vehicle Applications with Secure Computing and Load Balancing	Majumder D., Mohan Kumar S., Ashoka D.V., Shajin Naragunam A.	Journal of Physics: Conference Series	1964	4	0	0	0
20 21	A Symmetrically Diminished Interconnected Database Segmentation Framework Using Data Mining	Mohan Kumar S., Majumder D., Shajin Naragunam A., Ashoka D.V.	Journal of Physics: Conference Series	1964	4	0	0	0
20 21	The Blue Brain Technology using Machine Learning	Shanthi D., Kuncha P., Dhar M.S.M., Jamshed A., Pallathadka H., Anusha Linda Kostka J.E.	Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021			0	0	0

20 21	Nanomedicinary evaluation of calotropis procera mediated silver nanoparticle on skin cancer cell line for microbes-front line analysis	Raj S., Muthu D., Isaac R.S.R., Ramakrishnan S., S A.E., Vallinayagam S.	Journal of Molecular Structure	1235		0	0	0
20 21	Synthesis, characterization and catalytic activity of metal complexes of flavone based schiff bases	Geeth V.S., Joseph J.	Research Journal of Chemistry and Environment	25	7	0	0	0
20 21	An efficient classification framework for breast cancer using hyper parameter tuned Random Decision Forest Classifier and Bayesian Optimization	P P.K., V M.A.B., Nair G.G.	Biomedical Signal Processing and Control	68		0	0	0
20 21	Optimal feature selection with hybrid classification for automatic face shape classification using fitness sorted Grey wolf update	Sukumaran A., Brindha T.	Multimedia Tools and Applications	80	17	0	0	0
20 21	Secret Key Generation by Exploiting Traffic Load for Mobile Adhoc Networks	Shibu K.R., Sujipramila R.	Wireless Personal Communications	119	2	0	0	0
20 21	Enhanced Photocatalytic Decomposition Efficacy of Novel MgO NPs: Impact of Annealing Temperatures	Diana P., Saravanakumar S., Prasad K.H., Sivaganesh D., Chidhambaram N., Isaac R.S.R., Alshahrani T., Shkir M., AlFaify S., Ali K.S.S.	Journal of Inorganic and Organometallic Polymers and Materials	31	7	0	1	1
20 21	Early diagnose breast cancer with PCA-LDA based FER and	Preetha R., Jinny S.V.	Journal of Ambient Intelligence	12	7	0	2	2

	neuro-fuzzy classification system		and Humanized Computing					
20 21	Multi-user energy efficient secured framework with dynamic resource allocation policy for mobile edge network computing	Anoop S., Singh J.A.P.	Journal of Ambient Intelligence and Humanized Computing	12	7	0	1	1
20 21	Development of new isolation and quantification method of piperine from white pepper seeds (Piper Nigrum L) using a validated HPLC	Kusumorini N., Nugroho A.K., Pramono S., Martien R.	Indonesian Journal of Pharmacy	32	2	0	0	0
20 21	Multi-Replica Integrity Verification in Cloud: A Review and A Comparative Study	George A.S., Nargunam A.S.	ICCISc 2021 - 2021 International Conference on Communication, Control and Information Sciences, Proceedings			0	0	0
20 21	A Novel Concept of Analysing Performance of Deaf Students using Neural Networks	Raji N.R., Siva Balan R.V., Biji C.L.	ICCISc 2021 - 2021 International Conference on Communication, Control and Information Sciences, Proceedings			0	0	0
20 21	Superb catalytic activity of as-green synthesized copper ferrite's thermal decomposition of ammonium perchlorate	Manikandanath N.T., Rimal Isaac R.S., Sanjith S., Ramesh Kumar P., Anooj E.S., Vallinayagam S.	Journal of Molecular Structure	1234		0	1	1
20	Association of dental	Athira S.,	Journal of	13	5	0	0	0

21	neglect scale and severity of dental caries among nursing students: A cross-sectional study	Vallabhan C., Sivarajan S., Dithi C., Swathy Anand P., Chandran T.	Pharmacy and Bioallied Sciences					
20 21	Comparison of the efficacy of K-File, canal brush technique, and sonic irrigation technique in the retrievability of calcium hydroxide and metapex intracanal medicaments from root canals: An in vitro cone-beam computed tomography analysis	Chandran A., Gaffoor F., Gopakumar R., Girish S., Soumya S., Nair M.	Journal of Pharmacy and Bioallied Sciences	13	5	0	0	0
20 21	Attention to COVID-19 pandemic among dental experts of Kerala State, India: A knowledge, attitude, and practice study	Aravind A., Nair S., Aparna T., Thomas A., Oommen S., Vijayan A.	Journal of Pharmacy and Bioallied Sciences	13	5	0	0	0
20 21	Relationship between body mass index and dental caries in 13-15-year-old school children of government and private schools in Bengaluru City	Syamkumar V., Thomas A., Oommen S., Aswin S., Swathy Anand P., Mathew V.	Journal of Pharmacy and Bioallied Sciences	13	5	0	0	0
20 21	Impact of terbium inclusion on the photodetection performance of ZnO thin films	Kumar S.S., Chidhambar am N., Deva Arun Kumar K., Isaac R.S.R., Abdeltawab A.A., Mohammady S.Z., Ubaidullah M., Shaik S.F.	Semiconductor Science and Technology	36	6	0	0	0
20 21	Hybrid Cache Management in Ad Hoc Networks	Krishnan C.G., Robinson Y.H., Julie E.G., Bamini	Wireless Personal Communications	118	4	0	0	0

		A.M.A., Kumar R., Thong P.H., Son L.H.						
20 21	Phytochemical mediated synthesis of silver nanoparticles and their antibacterial activity	Dogiparthi L.K., Sana S.S., Shaik S.Z., Kalvapalli M.R., Kurupati G., Kumar G.S., Gangadhar L.	SN Applied Sciences	3	6	0	0	0
20 21	Progress on suspended nanostructured engineering materials powered solar distillation- a review	Akkala S.R., Kaviti A.K., ArunKumar T., Sikarwar V.S.	Renewable and Sustainable Energy Reviews	143		0	2	2
20 21	High clarity speech separation using synchroextracting transform	Abdulla S.M., Jayakumari J.	Internationa I Journal of Electrical and Computer Engineering	11	3	0	0	0
20 21	Spinal cord segmentation and injury detection using a Crow Search-Rider optimization algorithm	Jasim M., Brindha T.	Biomedizini sche Technik	66	3	0	0	0
20 21	A novel melanoma detection model: Adapted K-means clustering-based segmentation process	Sukanya S.T., Jerine	Bio- Algorithms and Med- Systems	17	2	0	0	0
20 21	Triple novelty block detection and classification approach for lung tumor analysis	Rani K.V., Dayana C.T., Therese P.S., Prince M.E.	Internationa I Journal of Imaging Systems and Technology	31	2	0	3	3
20 21	Detection and classification of breast cancer from digital mammograms using hybrid extreme learning machine classifier	Melekoodap pattu J.G., Subbian P.S., Queen M.P.F.	Internationa I Journal of Imaging Systems and Technology	31	2	0	2	2
20 21	Blood vessel segmentation for diabetic retinopathy	Nair A.T., Muthuvel D.K., Haritha K.S.	Journal of Physics: Conference Series	1921	1	0	0	0

20 21	A novel modelling technique for early recognition and classification of Alzheimer's disease	Dinu J.A., Manju R.	2021 3rd International Conference on Signal Processing and Communication, ICPSC 2021			0	0	0
20 21	Bagging and fusion of multiple feature extraction models for early diagnosis of alzheimer's disease	Dinu A.J., Manju R.	Proceedings - 5th International Conference on Intelligent Computing and Control Systems, ICICCS 2021			0	0	0
20 21	Remote cloud data auditing protocols: A comprehensive analysis and comparative study	George A.S., Nargunam A.S.	Proceedings - 5th International Conference on Intelligent Computing and Control Systems, ICICCS 2021			0	0	0
20 21	Pixel prediction-based image steganography by support vector neural network	Reshma V.K., Vinod Kumar R.S.	Computer Journal	64	5	0	0	0
20 21	High energy efficient lifetime management system and trust management framework for manet using self-configurable cluster mechanism	Gopala Krishnan C., Gomathi S., Anusha Bamini A.M.	Peer-to-Peer Networking and Applications	14	3	0	1	1
20 21	Highly Secured Cluster Based WSN Using Novel FCM and Enhanced ECC-ElGamal Encryption in IoT	Reegan A.S., Kabila V.	Wireless Personal Communications	118	2	0	0	0

20 21	Adaptable and Energy Efficacious Routing using Modified Emperor Penguin Colony Optimization Multi-faceted Metaheuristics Algorithm for MANETS	Thebiga M., Pramila S.R.	Wireless Personal Communications	118	2	0	1	1
20 21	Energy Efficient Clustering for Certificate Revocation Scheme in Mobile Ad-Hoc Network	Rajkumar K., Jeyakumar M.K.	Wireless Personal Communications	118	1	0	1	1
20 21	Security-aware authorization and verification based data aggregation model for wireless sensor networks	Nels S.N., Singh J.A.P.	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	34	3	0	0	0
20 21	Green Procurement and Manufacturing, Innovation Orientation and Operational Performance: A Firm Level Panel Data Analysis	Wang L., Guo Y., Zeng X.	2021 IEEE 6th International Conference on Computer and Communication Systems, ICCCS 2021			0	0	0
20 21	Student Performance Prediction Using Atom Search Optimization Based Deep Belief Neural Network	Surenthiran S., Rajalakshmi R., Sujatha S.S.	Optical Memory and Neural Networks (Information Optics)	30	2	0	0	0
20 21	Secure-aware multipath routing using atom search rider optimization algorithm in wireless sensor networks	Shyjith M.B., Maheswaran C.P., Reshma V.K.	International Journal of Mobile Computing and Multimedia Communications	12	2	0	0	0
20 21	Optimized path selection using GWO routing to enhance	Selvalakshmi M., Jeyakumar	International Journal of Engineering	69	4	0	0	0

	the lifetime of sensor node in WSN	M.K.	Trends and Technology					
20 21	Abrasive water jet machining techniques and parameters: a state of the art, open issue challenges and research directions	Anu Kuttan A., Rajesh R., Dev Anand M.	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43	4	0	1	1
20 21	Effect of Ti and Cu doping on the structural, optical, morphological and anti-bacterial properties of nickel ferrite nanoparticles	Rajivgandhi G.N., Ramachandran G., Kanisha C.C., Alharbi N.S., Kadaikunnan S., Khaled J.M., Alanzi K.F., Li W.-J.	Results in Physics	23		0	1	1
20 21	Physiochemical characterization and anti-carbapenemase activity of chitosan nanoparticles loaded Aegle marmelos essential oil against K. pneumoniae through DNA fragmentation assay	Rajivgandhi G., Stalin A., Kanisha C.C., Ramachandran G., Manoharan N., Alharbi N.S., Kadaikunnan S., Khaled J.M., Alanzi K.F., Li W.-J.	Surfaces and Interfaces	23		0	0	0
20 21	Segmentation of Spinal Canal using Active Contour Model	Warrier G.S., Viji K.S.A.	Proceedings of 2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation, ICBSII 2021			0	0	0
20 21	Highly Efficient Speckle Noise Removal in Medical Images Using GSO Optimization	Shabana Sulthana S.L., Sucharitha	2021 7th International Conference on			0	0	0

			Advanced Computing and Communication Systems, ICACCS 2021					
20 21	An Efficient Methodology for Measuring Sentence Similarity Using Combinational Semantics	Wilson P.K., Jeba J.R.	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021			0	0	0
20 21	Thwarting Cyber Crime and Phishing Attacks with Machine Learning: A Study	Arshey M., Angel Viji K.S.	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021			0	0	0
20 21	Synthesis, structural elucidation, pharmacological and molecular docking studies of terpolymer transition metal complexes	Vijayan N., Princess R., Raja S.J., Joseph J.	Journal of Molecular Structure	1227		0	0	0
20 21	A Survey on Data privacy and preservation using Blockchain in Healthcare organization	Balasubramaniam S., Sivasankar K., Rajasekaran M.P.	2021 International Conference on Advance Computing and Innovative Technologies in Engineering , ICACITE			0	0	0

			2021					
20 21	IOT Based Transformer Health Monitoring System: A Survey	Hazarika K., Katiyar G., Islam N.	2021 International Conference on Advance Computing and Innovative Technologies in Engineering , ICACITE 2021			0	0	0
20 21	Optimization of quantum dots for solar cell applications	Gangadhar L., Praseetha P.K.	Songklanakarin Journal of Science and Technology	43	2	0	0	0
20 21	Investigation on the physicochemical properties and antibacterial activity of pure and Zn doped CuO nanoparticles	Prasad L.G., Janeba T., Raman R.G.	Journal of Ovonic Research	17	2	0	0	0
20 21	Cluster head selection algorithm for manets using hybrid particle swarm optimization-genetic algorithm	Hamza F., Vigila S.M.C.	International Journal of Computer Networks and Applications	8	2	0	1	1
20 21	A survey on artificial intelligence in cancer medical and nonmedical datasets	Ajai A.K., Anitha A.	International Journal of Engineering Trends and Technology	69	3	0	2	2
20 21	Monte Carlo calculated detector-specific correction factors for Elekta radiosurgery cones	Renil Mon P.S., Devi V.N.M., Bhasi S., Nair S.S.	Biomedical Physics and Engineering Express	7	2	0	0	0
20 21	Anti-biofilm effect of Nerium oleander essential oils against biofilm forming Pseudomonas aeruginosa on urinary tract infections	Almanaa T.N., Alharbi N.S., Ramachandran G., Kanisha Chelliah C., Rajivgandhi G., Manoharan N.,	Journal of King Saud University - Science	33	2	0	0	0

		Kadaikunna S., Khaled J.M., Alanzi K.F.						
20 21	Phytochemical screening and anti-oxidant activity of Sargassum wightii enhances the anti-bacterial activity against Pseudomonas aeruginosa	Rajivgandhi G.N., Kanisha C.C., Ramachandran G., Manoharan N., Mothana R.A., Siddiqui N.A., Al-Rehaily A.J., Ullah R., Almarfadi O.M.	Saudi Journal of Biological Sciences	28	3	0	0	0
20 21	Non-linear Sorenson's Dice Exemplar Image Inpainting Based Bayes Probability for Occlusion Removal in Remote Traffic Control	Arun P.L., Kumar R.M.S.	Multimedia Tools and Applications	80	8	0	0	0
20 21	Identification of carbapenems resistant genes on biofilm forming K. pneumoniae from urinary tract infection	Rajivgandhi G.N., Alharbi N.S., Kadaikunna S., Khaled J.M., Kanisha C.C., Ramachandran G., Manoharan N., Alanzi K.F.	Saudi Journal of Biological Sciences	28	3	0	1	1
20 21	Injury classification and level detection of the spinal cord based on the optimized recurrent neural network	Munavar Jasim K., Brindha T.	Bio-Algorithms and Med-Systems	17	1	0	0	0
20 21	Detection of Fetal Cardiac Anomaly from Composite Abdominal Electrocardiogram	M A., S Kumar S., E Nithila E., M B.	Biomedical Signal Processing and Control	65		0	0	0
20 21	The cardiac methylome: A hidden	Rajan K.S., Ramasamy	Journal of Molecular	152		0	1	1

	layer of RNA modifications to regulate gene expression	S., Garikipati V.N.S., Suvekbala V.	and Cellular Cardiology					
20 21	Sustainable supply chain management in a global context: a consistency analysis in the textile industry between environmental management practices at company level and sectoral and global environmental challenges	Munoz-Torres M.J., Fernandez-Izquierdo M.A., Rivera-Lirio J.M., Ferrero-Ferrero I., Escrig-Olmedo E.	Environment, Development and Sustainability	23	3	0	0	0
20 21	Localization and segmentation of metal cracks using deep learning	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Journal of Ambient Intelligence and Humanized Computing	12	3	0	5	5
20 21	Monitoring driver's drowsiness status at night based on computer vision	Valsan A V., Mathai P.P., Babu I.	Proceedings - IEEE 2021 International Conference on Computing, Communication, and Intelligent Systems, ICCIS 2021			0	0	0
20 21	Architecture for an efficient MBIST using modified March-y algorithms to achieve optimized communication delay and computational speed	Nisha O.S., Sivasankar K.	International Journal of Pervasive Computing and Communications	17	1	0	0	0
20 21	Performance analysis of optimal cluster selection and intrusion detection by hierarchical K-means clustering with hybrid ABC-DT	Jesuretnam J.B., Rose J.J.	International Journal of Pervasive Computing and Communications	17	1	0	0	0
20	Reversible color	Thomas R.,	Proceeding			0	0	0

21	image watermarking scheme based on contourlet transform and principal component analysis	Sucharitha M.	s of the 7th International Conference on Electrical Energy Systems, ICEES 2021					
20 21	Impact of heat treatment on laser beam welded aluminium (A6061)-titanium (Ti6Al4V) dissimilar sheet metals	Chandran S., Rajesh R., Anand M.D.	AIP Conference Proceedings	2317		0	0	0
20 21	Review of aluminium 6061 metal matrix composites fabricated using stir casting method and applications	Shyn C.S., Rajesh R., Anand M.D.	AIP Conference Proceedings	2317		0	0	0
20 21	Design an area efficient kogge stone adder using pass transistor logic	Daphni S., Vijula Grace K.S.	Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2021			0	0	0
20 21	Transition metal chelates with multifunctional 1,10-phenanthroline derivative towards production of hydrogen as alternative fuel from sea water: Design, synthesis, characterization and catalytic studies	Gladis E.H.E., Nagashri K., Joseph J.	International Journal of Hydrogen Energy	46	9	0	0	0
20 21	Perspectives of polylactic acid from structure to	Sreekumar K., Bindhu B., Veluraja	Polymers from Renewable	12	1-2	0	1	1

	applications	K.	Resources					
20 21	AUTOMATED SCREENING of DIABETIC RETINOPATHY with OPTIMIZED DEEP CONVOLUTIONAL NEURAL NETWORK: ENHANCED MOTH FLAME MODEL	Nair A.T., Muthuvel K.	Journal of Mechanics in Medicine and Biology	21	1	0	0	0
20 21	Physicochemical properties of p-hydroazobenzene: A nonlinear optical crystal	Guru Prasad L., Ganapathi Raman R.	Indian Journal of Pure and Applied Physics	59	2	0	0	0
20 21	Productivity enhancement of the solar still by using water cooled finned condensing pipe	Al-Dabbas M., Alahmer A., Mamkagh A., Gomaa M.R.	Desalination and Water Treatment	213		0	0	0
20 21	Growth and characterization of organic material 3,4-dimethoxybenzaldehyde-2,4-dinitroaniline single crystal	Jebin R.P., Suthan T., Anitha T.R., Rajesh N.P., Vinitha G.	Journal of Materials Science: Materials in Electronics	32	3	0	1	1
20 21	Application of optimization methods in the closed-loop supply chain: a literature review	Oliveira L.S., Machado R.L.	Journal of Combinatorial Optimization	41	2	0	1	1
20 21	Load Based Key Generation for MANETs: A Comparative Study with DSR and AODV	Shibu K.R., Suji Pramila R.	Wireless Personal Communications	116	3	0	1	1
20 21	A6061/B4C MMCs fabrication, experimental investigation and prediction of properties	Shyn C.S., Rajesh R., Dev Anand M.	IOP Conference Series: Materials Science and Engineering	1017	1	0	0	0
20 21	Designing a Hybrid Artificial Intelligent Clinical Decision Support System Using Artificial Neural Network and Artificial Bee Colony for Predicting Heart Failure Rate	Madanan M., Zulkefli N.A.M., Velayudhan N.C.	2021 International Conference on Computer Communication and Informatics,	2021 -		0	0	0

			ICCCI 2021					
20 21	Automatic Segmentation of Colon Using Multilevel Morphology and Thesholding	Shijin K.P., Abhilash S., Ravindran Z., Das N.S.	2021 International Conference on Computer Communication and Informatics, ICCCI 2021			0	0	0
20 21	Recent developments of fiber-reinforced polymer composites in automotive	Sathyaraj S., Dhas J.E.R., Balakrishnan H.K.	Fiber-Reinforced Polymer: Processes and Applications			0	0	0
20 21	Watershed Segmentation with CAFIS and RCNN Classification for Pulmonary Nodule Detection	Albert Jerome S., Vijila Rani K., Mithra K.S., Eugene Prince M.	IETE Journal of Research			0	0	0
20 21	Enriched optoelectronic properties of cobalt-doped ZnO thin films for photodetector applications	Vinoth S., Arulanantham A.M.S., Saravanakumar S., Rimal Isaac R.S., Soundaram N., Chidhambaram N., Alagarasan D., Varadharajaperumal S., Shkir M., AlFaify S.	Journal of Materials Science: Materials in Electronics			0	0	0
20 21	Sybil Attack with RSU Detection and Location Privacy in Urban VANETs: An Efficient EPORP Technique	Velayudhan N.C., Anitha A., Madanan M.	Wireless Personal Communications			0	0	0
20 21	Prevalence Of Perceived Stress, Due To COVID-19 Among Faculties Of Government Dental Colleges In Kerala,	Suresh Babu L., Janarthanan Pillai D.M., Janardhanan D.K.A.	Cogent Psychology	8	1	0	0	0

	India							
20 21	Alteration of CdO Lattice Structure By Cu ²⁺ Doping for Enhanced Photocatalytic Application	Jeejamol D.J., Raj A.M.E., Aultrin K.S.J.	Brazilian Journal of Physics			0	0	0
20 21	A study of greater palatine foramen and its importance in the application of maxillary nerve block in south indian population	Mahesh A., Rajesh S.	International Journal of Anatomy and Research	9	1	0	0	0
20 21	An optimized deep learning model using Mutation-based Atom Search Optimization algorithm for cervical cancer detection	Chitra B., Kumar S.S.	Soft Computing			0	0	0
20 21	A review on application of nanomaterials in heat transfer fluid for parabolic trough concentrator	Bindu M.V., Joselin Herbert G.M.	Materials Today: Proceedings	46		0	0	0
20 21	Mechanical possessions of jute/sisal natural fiber mixture amalgams	Albert Seldon P., Abilash N.	Materials Today: Proceedings	46		0	0	0
20 21	Polyamide based amalgams in marine custom: History and forthcoming leanings	Albert Seldon P., Abilash N.	Materials Today: Proceedings	46		0	0	0
20 21	Multi-response optimization of process parameters for laser beam welding of AA6061-Ti6Al4V by grey relational analysis	Chandran S., Rajesh R., Dev Anand M.	Materials Today: Proceedings	46		0	0	0
20 21	Dynamic forest of random subsets-based one-time signature-based capability enhancing security architecture for named data networking	Babu V.J., Jose M.V.	International Journal of Information Technology (Singapore)			0	0	0
20 21	Harmonic Mitigation in Grid-Connected Distributed Energy Systems using PI and	Zahariah J., Pon Symon V.A.T.	Journal of The Institution of			0	0	0

	Fuzzy Logic Controller		Engineers (India): Series B					
20 21	A review of different techniques in cloud computing	Shiju George S., Suji Pramila R.	Materials Today: Proceedings	46		0	3	3
20 21	Sustainability of operations through disruptive technologies in the petroleum supply chain	Kumar S., Barua M.K.	Benchmarking			0	0	0
20 21	Deterministic functions for measuring human protein structural variations with merit based ensemble learning scheme for native classification	Ponraj T.E., Balan R.V.S., Vignesh K.	International Journal of Systems Assurance Engineering and Management			0	0	0
20 21	Parameter optimisation of a fibre reinforced polymer composite by rsm design matrix	Raj S.S., Pradeep P., Dhas J.E.R.	International Journal of Computer Aided Engineering and Technology	15	2-3	0	0	0
20 21	The remarkable enhancement in the solubility of Bi in the ZnO phase, Zn _{1-x} Bi _x O (0 ≤ x ≤ 0.1), by high energy ball milling technique	Selvamani S., Balamurugan S., Ashika S.A., Fathima T.K.S.	Emergent Materials			0	0	0
20 21	Mechanical Property and Microstructure Analysis of Laser Beam Welded Aluminium (A6061)-Titanium (Ti6Al4V) Dissimilar Sheet Metals	Chandran S., Rajesh R., Dev Anand M.	Lecture Notes in Mechanical Engineering			0	0	0
20 21	Taylor-rider-based deep convolutional neural network for image forgery detection in 3D lighting environment	Vinolin V., Sucharitha M.	Data Technologies and Applications			0	0	0
20 21	Review on various detectors in massive MIMO technology: a performance analysis	V.M M., R.S G.	International Journal of Pervasive Computing			0	0	0

			and Communica tions					
20 21	Challenges and Future Prospective of Alternative Materials to Silica Sand for Green Sand Mould Casting: A Review	Sadarang J., Nayak R.K., Panigrahi I.	Transaction s of the Indian Institute of Metals			0	0	0
20 21	Low power transposed form 4-tap finite impulse response filter using power efficient multiply accumulate unit	Rakesh S., Vijula Grace K.S.	Journal of Circuits, Systems and Computers			0	0	0
20 21	FSSW process parameter optimization for AA2024 and AA7075 alloy	Anton Savio Lewise K., Edwin Raja Dhas J.	Materials and Manufacturi ng Processes			0	0	0
20 21	Watershed based algorithms for the segmentation of spine MRI	Silvester M.L., Mathusooth ana R., Kumar S.	Internationa l Journal of Information Technology (Singapore)			0	0	0
20 21	A new variant of deep belief network assisted with optimal feature selection for heart disease diagnosis using IoT wearable medical devices	Aliyar Vellameeran F., Brindha T.	Computer Methods in Biomechani cs and Biomedical Engineering			0	0	0
20 21	Ensemble learning- based classification on local patches from magnetic resonance images to detect iron depositions in the brain	Wilson B., Dhas J.P.M., Sreedharan R.M., Krish R.P.	Internationa l Journal of Bio-Inspired Computatio n	17	4	0	0	0
20 21	Analysis and Prediction of Adverse Reaction of Drugs with Machine Learning Models for Tracking the Severity	Ponraj T.E., Balan R.V.S., Vignesh K.	Arabian Journal for Science and Engineering			0	0	0
20 21	Oxalic acid-derived combustion synthesis of multifunctional nanostructured copper oxide materials	Shri K.M., Balamuruga n S., Ashika S.A., Sana Fathima T.K.,	Emergent Materials			0	1	1

		Palanisami N.						
20 21	Comprehensive Characterization of Industrially Discarded Cymbopogon Flexuosus Stem Fiber Reinforced Unsaturated Polyester Composites: Effect of Fiber Length and Weight Fraction	Sundaram R.S., Rajamoni R., Suyambulingam I., Isaac R.	Journal of Natural Fibers			0	0	0
20 21	Sybil attack detection and secure data transmission in VANET using CMEHA-DNN and MD5-ECC	Velayudhan N.C., Anitha A., Madanan M.	Journal of Ambient Intelligence and Humanized Computing			0	0	0
20 21	Transfer Learning with CNN for Classification of Weld Defect	Kumaresan S., Aultrin K.S.J., Kumar S.S., Anand M.D.	IEEE Access	9		0	0	0
20 21	Tribological behavior of AZ91D magnesium alloy composite: effect of hybrid WC “ SiO ₂ nanoparticles	Fahad M., B B.	Industrial Lubrication and Tribology	73	5	0	0	0
20 21	An integrated review on machine learning approaches for heart disease prediction: Direction towards future research gaps	Vellameeran F.A., Brindha T.	Bio-Algorithms and Med-Systems			0	0	0
20 21	An analysis of barriers affecting implementation of sustainable supply chain management in electronics industry: a Grey-DEMATEL approach	Menon R.R., Ravi V.	Journal of Modelling in Management			0	0	0
20 21	Partially purified actinomycetes compounds enhance the intracellular damages in multi-drug resistant P. aeruginosa and K. pneumoniae	Kadaikunnan S., Alharbi N.S., Khaled J.M., Alobaidi A.S., Rajivgandhi G.N., Ramachand	Saudi Journal of Biological Sciences			0	0	0

		ran G., Gnanasekar an C., Chelliah C.K., Alanzi K.F., Manoharan N.						
20 21	Resource allocation techniques in Edge/Fog computing	Majumder D., Kumar S.M., Ashoka D.V., Nargunam A.S.	Proceeding s of the 2021 1st Internationa l Conference on Advances in Electrical, Computing, Communica tions and Sustainable Technologi es, ICAECT 2021			0	0	0
20 21	Numerical Simulation of Shock Wave Turbulent Boundary Layer Interaction over Flat Plate at Mach 6	Mehta R.C.	Journal of The Institution of Engineers (India): Series C			0	0	0
20 21	Tribological, Thermal and Corrosive Behaviour of Aluminium Alloy 2219 Reinforced by Si3N4 Nanosized Powder	Manjunatha C.J., Venkata Narayana B., Bino Prince Raja D., Rimal Isaac R.S.	Silicon			0	0	0
20 21	Design of optimized PI controller for 7- level inverter: a new control strategy	Thankachy G.D.K.N.S., Raj S.T.P.	Environmen tal Science and Pollution Research			0	0	0
20 21	A new antidiabetic foot bacteria formula from marine chitosan nanosilver-metal complex	Ghonam H.E.-B., Abu Yousef M.A., Gohar Y.M., Almeer R., Barakat K.M.	Environmen tal Science and Pollution Research			0	0	0
20	Energy conserving	Sumesh	Internationa			0	0	0

21	ring cluster-based routing protocol for wireless sensor network: A hybrid based model	J.J., Maheswaran C.P.	I Journal of Numerical Modelling: Electronic Networks, Devices and Fields					
20 21	An experimental interpretation of high-performance fibre-reinforced polymer concrete with fnn paradigms	Biju C., Stalin Jose Y.	Oxidation Communications	44	1	0	1	1
20 21	Green fabricated MgO nanoparticles as antimicrobial agent: Characterization and evaluation	Vidhya E., Vijayakumar S., Nilavukkars M., Punitha V.N., Snega S., Praseetha P.K.	Materials Today: Proceedings	45		0	3	3
20 21	Determination of ammonia content in various drinking water sources in Malappuram District, Kerala and its removal by adsorption using agricultural waste materials	Joseph J., Sajeesh A.K., Nagashri K., Gladis E.H.E., Sharmila T.M., Dhanaraj C.J.	Materials Today: Proceedings	45		0	1	1
20 21	Regional assessment of groundwater quality for drinking purpose	Princela M.A., Jose J.M.A., Gladis E.H.E., Arthi D., Joseph J.	Materials Today: Proceedings	45		0	0	0
20 21	Preimplantation Genetic Testing - A small walk through - A review	Viswambharan N., Murugan M.	Materials Today: Proceedings	45		0	0	0
20 21	Improved multi-party verification protocol with reduced computational overhead in cloud storage system	George A.S., Nargunam A.S.	Concurrency Computation			0	0	0
20 21	Enhancing the therapeutic efficacy of copper-based	Gladis E.H.E., Nagashri K.,	Materials Today: Proceedings	45		0	0	0

	multifunctional agents by incorporating 1,10-Phenanthroline derivative as chelator	Jose J.M.A., Arthi D., Joseph J.	s					
20 21	Novel synthesised chrysin derivatives offer noteworthy insight into the structural scaffolds required for improved anti-proliferative activity	Ebenezer B., Nagashri K., Suman A., Joseph J.	Materials Today: Proceedings	45		0	0	0
20 21	Theoretical studies on 3-bromo-2-methoxybenzonitrile using density functional theory	Suni N.Y.S., Prasad L.G., Malar C.B., Praveenkuma A.A., Raman R.G.	Materials Today: Proceedings	45		0	0	0
20 21	A brief review on polymer nanocomposites and its applications	Shameem M.M., Sasikanth S.M., Annamalai R., Raman R.G.	Materials Today: Proceedings	45		0	1	1
20 21	ICP-MS assisted heavy metal analysis, phytochemical, proximate and antioxidant activities of Mimosa pudica L	Parvathy P., Murali V.S., Devi V.N.M., Murugan M., Jmaes J.J.	Materials Today: Proceedings	45		0	1	2
20 21	Production and characterization of extracellular pectinase from a newly isolated Bacillus species from fruit waste soil	Murugan T., Deepika P., Kowsalya A., Sivasubramanian K., Rejisha R.P., Murugan M., Wins J.A.	Materials Today: Proceedings	45		0	0	0
20 21	Effect of wash and swim-up and density gradient sperm preparation on sperm DNA fragmentation	Viswambharan N., Murugan M.	Materials Today: Proceedings	45		0	0	0
20 21	Phytochemical screening, FTIR spectral analysis, antioxidant and antibacterial activity of leaf extract of Pimenta dioica Linn	Murali V.S., Devi V.N.M., Parvathy P., Murugan M.	Materials Today: Proceedings	45		0	0	0

20 21	Preliminary assessment for physicochemical quality parameters of groundwater in Tirunelveli district	Jose J.M.A., Shinu P.M.S., Gladis E.H.E., Arthi D., Joseph J.	Materials Today: Proceedings	45		0	0	0
20 21	Alkaline protease production by halophilic <i>Bacillus</i> sp. Strain SP II-4 and characterization with special reference to contact lens cleansing	Rejisha R.P., Murugan M.	Materials Today: Proceedings	45		0	0	1
20 21	Evaluation of antioxidant activity and antimalarial activity of flavone based tetradentate ligand and its metal complexes	Vincent S.G., Joseph J.	Materials Today: Proceedings	45		0	0	0
20 21	Highly conjugative heterocyclic nitrogen base derivative and its metal complexes towards optoelectronic materials: Chemical architecture, synthesis, structural elucidation, catalytic, optoelectronic and pharmacological studies	Gladis E.H.E., Nagashri K., Joseph J.	Materials Today: Proceedings	45		0	0	0
20 21	Synthesis, spectroscopic analysis and NLO properties of 4-(4-N-Hexyloxyphenyl)-2-Methyl-3-Butyn-2-ol (4HP2M3B) by quantum mechanical calculations	Praveenkumar A.A., Subala A.S., Anand K.V., Raman R.G.	Materials Today: Proceedings	45		0	1	1
20 21	Novel metal complexes of flavone Schiff base: Synthesis, characterization, antioxidant and DNA binding studies	Vincent S.G., Jyothi R.R.K., Joseph J.	Materials Today: Proceedings	45		0	0	0
20 21	Synthesis, characterization and	Krishna Jyothi R.R.,	Materials Today:	45		0	0	0

	biochemical studies of redox active metal complexes with flavone derivative	Jose J.M.A., Gladis E.H.E., Nagashri K., Joseph J.	Proceedings					
20 21	Synthesis and characterization of liquid crystal compounds based on azo group	Subala A.S., Anand K.V., Praveenkumar A.A., Raman R.G.	Materials Today: Proceedings	45		0	0	0
20 21	Elemental concentration, phytochemical and antimicrobial activity of <i>Scoparia dulcis</i> Linn	Devi V.N.M., Murugan M.	Materials Today: Proceedings	45		0	0	0
20 21	Synthesis, structural elucidation, catalytic, pharmacological and α -glucosidase inhibitory studies of metal complexes with flavone derivatives as emerging biomaterials	Jyothi R.R.K., Vincent S.G., Joseph J.	Materials Today: Proceedings	45		0	0	0
20 21	Proactive Network Packet Classification Using Artificial Intelligence	Abirami A., Palanikumar S.	Studies in Computational Intelligence	972		0	0	0
20 21	An artificial intelligence approach based on hybrid CNN-XGB model to achieve high prediction accuracy through feature extraction, classification and regression for enhancing drug discovery in biomedicine	Madanan M., Sayed B.T., Zulkefli N.A.M., Velayudhan N.C.	International Journal of Biology and Biomedical Engineering	15		0	0	0
20 21	Removal of fluoride with rice husk derived adsorbent from agro waste materials	Vijila B., Gladis E.H.E., Jose J.M.A., Sharmila T.M., Joseph J.	Materials Today: Proceedings	45		0	1	2
20 21	Tribological and ageing behavior of Az91D magnesium alloy fortified with	Fahad M., B B.	Industrial Lubrication and Tribology	73	4	0	0	0

	nano lanthanum and nanoceria by stir casting for aviation application							
20 21	Maximizing an Organization's Operating Enactment in the Areas of Planning and Management	Mohamed S.A., Devaraj K.	Advances in Intelligent Systems and Computing	1375		0	0	0
20 21	Security challenges for routing protocols in mobile ad hoc network: A systematic review and open research issues	Jose M.R., Singh J.A.P.	International Journal of Electronic Security and Digital Forensics	13	3	0	0	0
20 21	Reason to Expatriation of Construction Company Workers in UAE	Lija P., Radhika D.R.	Webology	18	1	0	0	0
20 21	Recent progress in stimuli-responsive intelligent nano scale drug delivery systems: A special focus towards PH-sensitive systems	Sethuraman V., Janakiraman K., Krishnaswami V., Kandasamy R.	Current Drug Targets	22	8	0	2	2
20 21	An analysis of commitment among college teachers	Auguskani P.L., Sreedevi V., Priya J.	International Journal of Intelligent Enterprise	8	2-3	0	0	0
20 21	Multi-response Optimization of FSW Process Parameters of ZE42 Alloy Using RSM-Based Grey Relational Analysis	Gopalakrishnan R., Kanakaraj D.A., Dennis B.P.R., Rajendran A.R.	Smart Innovation, Systems and Technologies	213		0	0	0
20 21	Effect of maleic anhydride (MA) and glycerol triacetate (GTA) compatibilisers on the properties of compression moulded pineapple leaf fibre reinforced polylactic acid green composite	Darsan R.S., Retnam B.S.J.	Plastics, Rubber and Composites	50	9	0	0	0
20 21	A comparative study of predicting burn off length in continuous drive solid state	Senthilkumar G., Ramakrishnan R.	Journal of Applied Science and	24	3	0	0	0

	friction welding for astm a516 steel by regression analysis, fuzzy logic analysis and finite element analysis		Engineering (Taiwan)					
20 21	Thermal performance of building components insulating by polystyrene material via optimal machine learning	Lekshmi A., Stalin Jose Y.	Oxidation Communica tions	44	1	0	1	1
20 21	Applications of Parabolic Trough Concentrating Technology: A Review	Bindu M.V., Joseline Herbert G.M.	Lecture Notes in Electrical Engineering	700		0	0	0
20 21	PV System with Multimaster Technique Implemented String Inverters	Sreekanth S., Felix Joseph X.	Lecture Notes in Electrical Engineering	700		0	0	0
20 21	Removal of heavy metal ions from water using adsorbents from agro waste materials	Arthi D., Jose J.M.A., Gladis E.H.E., Shinu P.M.S., Joseph J.	Materials Today: Proceedings	45		0	4	4
20 21	Automatic detection of solitary pulmonary nodules using superpixels segmentation based iterative clustering approach	Palanikumar S., Albert Jerome S., Jayan J.P.	Journal of Ambient Intelligence and Humanized Computing			0	1	1
20 21	Assessment of barriers in lead time improvement: An exploratory study of electronics manufacturing companies in Himachal Pradesh (India)	Jamwal A., Towhidul Islam Nayim S.M., Shukla R.K., Agrawal R., Gupta S.	International Journal of Business and Systems Research	15	2	0	0	0
20 21	Low power pulsed flip-flop with clock gating and conditional pulse enhancement	John K., Vinod R.S.K., Kumar S.S.	International Journal of Automation and Control	15	2	0	0	0
20 21	Fabrication and Characterization of Hybrid Natural Fibre-	Antony Vincent V., Kailasanath	Transactions on Electrical			0	2	2

20 21	Early prediction model for coronary heart disease using genetic algorithms, hyper-parameter optimization and machine learning techniques	L P.R., Jinny S.V., Mate Y.V.	Health and Technology	11	1	0	0	0
20 21	Anti-biofilm activity of LC-MS based Solanum nigrum essential oils against multi drug resistant biofilm forming P. mirabilis	Khaled J.M., Alyahya S.A., Chenthis Kanisha C., Alharbi N.S., Kadaikunnan S., Ramachandran G., Alanzi K.F., Rajivgandhi G., Vimala R.T.V., Manoharan N.	Saudi Journal of Biological Sciences	28	1	0	1	1
20 21	Deep Belief Network Based Healthcare Monitoring System in IoMT	Raghavendra B., Sivaprakash C., Gireeshan M.G., Shajahan A., Prasanth S.	Studies in Systems, Decision and Control	311		0	0	0
20 21	Retinal Image Enhancement by Intensity Index Based Histogram Equalization for Diabetic Retinopathy Screening	Pradeep A., Joseph X.F., Sreeja K.A.	EAI/Springer Innovations in Communication and Computing			0	0	0
20 21	Multi-modal image fusion technique for enhancing image quality with multi-scale decomposition algorithm	Sunitha T.O., Rajalakshmi R.	Computer Methods in Biomechanics and Biomedical Engineering : Imaging and Visualization	9	2	0	0	0
20 21	Azimuth tree-based self-organizing protocol for internet of	Anand V., Agrawal P., Varma P.S.,	Advances in Intelligent Systems	1184		0	0	0

	things	Pandey S., Kumar S.	and Computing					
20 21	Spliced image detection in 3d lighting environments using neural networks	Vinolin V., Sucharitha M.	Advances in Intelligent Systems and Computing	1171		0	3	3
20 21	Optimized and Dynamic Selection of Cluster Head Using Energy Efficient Routing Protocol in WSN	Shyjith M.B., Maheswara n C.P., Reshma V.K.	Wireless Personal Communica tions	116	1	1	2	3
20 21	Spectroscopic, SOD, anticancer, antimicrobial, molecular docking and DNA binding properties of bioactive VO(IV), Cu(II), Zn(II), Co(II), Mn(II) and Ni(II) complexes obtained from 3-(2- hydroxy-3- methoxybenzylidene) pentane-2,4-dione	Sakthivel A., Thangagiri B., Raman N., Joseph J., Guda R., Kasula M., Mitu L.	Journal of Biomolecul ar Structure and Dynamics	39	17	0	0	0
20 21	Data security and privacy protection in cloud computing: A review	Anusha Linda Kostka J.E., Vinila Jinny S.	Advances in Intelligent Systems and Computing	1167		1	0	1
20 21	Automated Detection of Retinal Hemorrhage Based on Supervised Classifiers and Implementation in Hardware	Sreeja K.A., Kumar S.S., Pradeep A.	Smart Innovation, Systems and Technologi es	182		0	1	1
20 21	Challenges on machining characteristics of natural fiber- reinforced composites â€“ A review	Raj S.S.R., Dhas J.E.R., Jesuthanam C.P.	Journal of Reinforced Plastics and Composites	40	1-2	1	7	8
20 21	Segmentation of Images Using Watershed and MSER: A State-of- the-Art Review	Leena Silvester M., Kumar R.M.S.	Studies in Systems, Decision and Control	295		0	1	1
20 20	Further results on Radio quotient square sum labeling	Raveendran S., Selvarajan T.M.	Proceeding s of IEEE Internationa l			0	0	0

			Conference on Advent Trends in Multidisciplinary Research and Innovation, ICATMRI 2020					
20 20	A research on strength improvement of clay with mine tailing	Vijayan L.V., Jose J.P.A.	Journal of Physics: Conference Series	1706	1	0	0	0
20 20	Optimised hybrid classifiers for automatic hep-2 cell classification	Chandran M.C., Jose M.V.	IET Image Processing	14	16	0	1	1
20 20	NAVIX: A Wearable Navigation System for Visually Impaired Persons	Bal D., Islam Tusher M.M., Rahman M., Rahman Saymon M.S.	2020 2nd International Conference on Sustainable Technologies for Industry 4.0, STI 2020			0	0	0
20 20	A Hybrid Anomaly Based Intrusion Detection Methodology Using IWD for LSTM Classification	Madanan M., Venugopal A., C. velayudhan N.	International Symposium on Advanced Networks and Telecommunication Systems, ANTS	2020 -		0	0	0
20 20	Segmentation of cervix using minimum spanning superpixel tree detector	Sheela Shiney T.S., Albert Jerome S., Rose J.	IOP Conference Series: Materials Science and Engineering	983	1	0	0	0
20 20	Wireless body area network transmissions for iot-based healthcare network: A review	Mary A.V., Jerine S.	IOP Conference Series: Materials Science and	983	1	0	0	0

			Engineering					
20 20	LOCATION DETERMINATION with ASSIGNMENT METHOD in DESIGN SEAWEED SUPPLY CHAIN	Harits Nu'Man A., Nurwandi L., Orgianus Y., Abdullah G.	Journal of Engineering Science and Technology	15	6	0	0	0
20 20	Avoiding energy holes in E2HRC wireless sensor networks	Sumesh J.J., Maheswara n C.P.	Journal of Green Engineering	10	12	0	0	0
20 20	Anti-biofilm compound of 1, 4- diaz-2, 5-dioxo-3- isobutyl bicyclo[4.3.0]nonane from marine Nocardiosis sp. DMS 2 (MH900226) against biofilm forming K. pneumoniae	Nadar Rajivgandhi G., Ramachand ran G., Chenthis Kanisha C., Li J.-L., Yin L., Manoharan N., Alharbi N.S., Kadaikunna n S., Khaled J.M., Li W.- J.	Journal of King Saud University - Science	32	8	0	2	2
20 20	Design, synthesis, characterization, DNA binding, acetyl and butyryl cholinesterase activities of metal chelates with 1,10- Phenanthroline derivative	Edinsha Gladis E.H., Nagashri K., Joseph J.	Inorganic Chemistry Communica tions	122		0	1	1
20 20	Effects of microplastics and nanoplastics on marine environment and human health	Sana S.S., Dogiparthi L.K., Gangadhar L., Chakravorty A., Abhishek N.	Environmen tal Science and Pollution Research	27	36	1	13	14
20 20	Unraveling the enhanced photocatalytic decomposition efficacy of the Al- doped ZnO nanoparticles@graph ene sheets	Chidhambar am N., Valanarasu S., Ganesh V., Gobalakrish nan S.	Journal of Physics D: Applied Physics	53	46	0	2	2
20 20	Hybrid Outlier Detection in	Thomas R., Judith J.E.	Proceeding s of the 4th			0	0	0

	Healthcare Datasets using DNN and One Class-SVM		International Conference on Electronics, Communication and Aerospace Technology , ICECA 2020					
20 20	Hydroxylation of boron nitride nanosheets	Nair R.M., Bindhu B., Thomas S.A.	AIP Conference Proceedings	2265		0	0	0
20 20	One step synthesis of polyvinylpyrrolidone coated silver nanoparticles for the detection of hydrogen peroxide	Haripriya H., Rimal Isaac R.S.	AIP Conference Proceedings	2270		0	0	0
20 20	Data integrity method for dynamic auditing in cloud environment	Joneston Dhas J.L., Maria Celestin Vigila S.	Indian Journal of Computer Science and Engineering	11	6	0	0	0
20 20	Efficient segmentation of lumbar intervertebral disc from MR images	Silvester L., Kumar R.M.S.	IET Image Processing	14	13	0	1	1
20 20	Expression of Notch 2 and ABCC8 genes in patients with type 2 diabetes mellitus and their association with diabetic kidney disease	Ghanem Y.M., Ismail A.A., Elsharkawy R.M., Fathalla R.M., El-Feky A.Y.	Clinical Diabetology	9	5	0	0	0
20 20	Antibacterial Activity of Halophilic Bacteria Against Drug-Resistant Microbes Associated with Diabetic Foot Infections	Henciya S., Vengateshwaran T.D., Gokul M.S., Dahms H.-U., James R.A.	Current Microbiology	77	11	0	1	1
20 20	Improved Merkle Hash Tree-Based One-Time Signature Scheme for Capability-Enhanced Security Enforcing Architecture for	Babu V.J., Jose M.V.	Wireless Personal Communications	115	1	0	0	0

	Named Data Networking							
20 20	Heneicosane – A novel microbicidal bioactive alkane identified from <i>Plumbago zeylanica</i> L	Vanitha V., Vijayakumar S., Nilavukkara si M., Punitha V.N., Vidhya E., Praseetha P.K.	Industrial Crops and Products	154		1	4	5
20 20	Performance evaluation of pre-processing techniques for historical palm leaf manuscript image restoration	Alexander T.J., Kumar S.S., Muthuvel K.	Proceedings of the 4th International Conference on IoT in Social, Mobile, Analytics and Cloud, ISMAC 2020			0	0	0
20 20	Improved hardness characteristics of Mg-3Zn-1Cu-0.7Mn alloy composites reinforced with Al ₂ O ₃ synthesized by powder metallurgy	Tharakan S.S., Sivapragash M.	IOP Conference Series: Materials Science and Engineering	923	1	0	0	0
20 20	Environmental oriented image retrieval using deep learning in remote sensing	Rose J.B., Santhi N., Ramar K.	Journal of Green Engineering	10	10	0	0	0
20 20	Research Contributions with Algorithmic Comparison on the Diagnosis of Diabetic Retinopathy	Nair A.T., Muthuvel K.	International Journal of Image and Graphics	20	4	0	0	0
20 20	Protection of neuronal cell lines, antimicrobial and photocatalytic behaviours of eco-friendly TiO ₂ nanoparticles	Punitha V.N., Vijayakumar S., Sakthivel B., Praseetha P.K.	Journal of Environmental Chemical Engineering	8	5	0	4	4
20 20	Quantitative analysis of Ag-doped SnS thin films for solar cell applications	Sebastian S., Vinoth S., Prasad K.H.,	Applied Physics A: Materials Science	126	10	0	0	0

		Revathy M.S., Gobalakrishnan S., Praseetha P.K., Ganesh V., AlFaify S.	and Processing					
20 20	Growth and characterization of Catena-(($\frac{1}{4}$ -dihydrogen oxalate)-bis($\frac{1}{4}$ -hydrogen oxalato)-($\frac{1}{2}$ -dihydrogen oxalate)-tetra-aqua-di-rubidium) {Rb(HC ₂ O ₄)(H ₂ C ₂ O ₄)(H ₂ O) ₂ } $\cdot$ 1 $\cdot$ single crystal for nonlinear optical applications	Sudha S., Jayaprakash P., Thaya Kumari C.R., Nageshwari M., Vinitha G., Raman R.G., Caroline M.L.	Chinese Journal of Physics	67		4	1	5
20 20	Neuroanatomical correlates of apathy and disinhibition in behavioural variant frontotemporal dementia	Sheelakumari R., Bineesh C., Varghese T., Kesavadas C., Verghese J., Mathuranath P.S.	Brain Imaging and Behavior	14	5	4	7	11
20 20	Design of different topologies in sdn controller	Noora V.T., Vinila Jinny S.	Indian Journal of Computer Science and Engineering	11	5	0	0	0
20 20	Influence of temperature on mechanical and microstructural properties during fsw of magnesium alloys	Unnikrishnan M.A., Edwin Raja Dhas J.	Journal of Green Engineering	10	9	0	0	0
20 20	Highly accurate bus arrival time prediction using k-nearest neighbor prediction in the Internet of Things (IoT) environment	Jalaney J., Ganesh R.S.	Journal of Green Engineering	10	9	0	0	0
20 20	A comparative analysis of data integration and business intelligence	George J., Jeyakumar M.K.	International Journal of Engineering Trends and	68	9	0	1	1

	tools with an emphasis on healthcare data		Technology					
20 20	Experimental determination of thermal neutron fluence around Elekta Versa HD linear accelerator for various photon energies	Vysakh R., Musthafa M.M., Midhun C.V., Niyas P., Anjana P.T., Arun Krishnan M.P., Ranjith C.P., Irfad M.P., Ganapathi Raman R.	Biomedical Physics and Engineering Express	6	5	0	0	0
20 20	Hybrid dimensionality reduction for outlier detection in high dimensional data	Thomas R., Judith J.E.	International Journal of Emerging Trends in Engineering Research	8	9	0	0	0
20 20	Recent progress in carbon nanotube polymer composites in tissue engineering and regeneration	Lekshmi G., Sana S.S., Nguyen V.-H., Nguyen T.H.C., Nguyen C.C., Le Q.V., Peng W.	International Journal of Molecular Sciences	21	17	0	2	2
20 20	Simultaneous doping of higher ionic state metal and surface plasmon resonance-inducing element with ZnO: an effective approach to improve photocatalytic dye degradation	Shantha Seelan K., Ravichandran K., Kavitha P., Praseetha P.K.	Applied Physics A: Materials Science and Processing	126	9	0	0	0
20 20	Combined effect of Cu and N on bandgap modification of ZnO film towards effective visible light responsive photocatalytic dye degradation	Vasanthi D.S., Ravichandran K., Kavitha P., Sriram S., Praseetha P.K.	Superlattices and Microstructures	145		0	0	0
20 20	Green way biosynthesis: Characterization, antimicrobial and anticancer activity of	Vidhya E., Vijayakumar S., Prathipkumar S.,	Gene Reports	20		1	4	5

	ZnO nanoparticles	Praseetha P.K.						
20 20	A New Mathematical and Correlation Coefficient Based Approach to Recognize and to Obstruct the Black Hole Attacks in Manets Using DSR Routing	Thebiga M., SujiPramila R.	Wireless Personal Communications	114	2	0	3	3
20 20	Factors contributing to the imbalances of cargo flows in Malaysia large-scale minor ports using a fuzzy analytical hierarchy process (FAHP) approach	Othman M.K., Abdul Rahman N.S.F., Ismail A., Saharuddin A.H.	Asian Journal of Shipping and Logistics	36	3	1	1	2
20 20	An optimization-based deep belief network for the detection of phishing e-mails	Arshey M., Angel Viji K.S.	Data Technologies and Applications	54	4	0	0	0
20 20	Nature-inspired hybrid deep learning for race detection by face shape features	Sukumaran A., Brindha T.	International Journal of Intelligent Computing and Cybernetics	13	3	0	0	0
20 20	Excess free-electrons activated photocatalytic ability of ZnO films through co-doping of higher oxidation state transition metals Ta and Mo	Dhanraj C., Ravichandran K., Kavitha P., Praseetha P.K.	Inorganic Chemistry Communications	118		0	2	2
20 20	Comparative evaluation of the surface hardness of different esthetic restorative materials: An in vitro study	Samuel A., Raju R., Sreejith K.B., Kalathil B.M., Nenavath D., Chaitra V.S.	Journal of Pharmacy and Bioallied Sciences	12	5	0	0	0
20 20	Novel trust based ranking for intrusion detection and security using deep learning	Baby J., Jeba J.R.	International Journal of Emerging Trends in Engineering Research	8	8	0	0	0

20 20	Privacy Based Data Publishing Model for Cloud Computing Environment	Bibal Benifa J.V., Venifa Mini G.	Wireless Personal Communications	113	4	0	2	2
20 20	A systematic literature review of closed-loop supply chains	Raza S.A.	Benchmarking	27	6	0	4	4
20 20	Use of a non-rigid, non-unique and moving subgraph as reference and reconstruction	Ramachandran S.	Ars Combinatoria	152		0	0	0
20 20	Hybrid Algorithm based PFOPID Control Design of a Grid-connected PV Inverter for MPPT	Thangam T., Muthuvel K.	Proceedings of the 2nd International Conference on Inventive Research in Computing Applications, ICIRCA 2020			0	0	0
20 20	Power efficient multiply accumulate architectures using modified parallel prefix adders for low power applications	Rakesh S., Vijula K.S.G.	International Journal of Computing and Digital Systems	90	4	0	0	0
20 20	A novel ensemble method for detecting outliers in categorical data	Thomas R., Judith J.E.	International Journal of Advanced Trends in Computer Science and Engineering	9	4	3	0	3
20 20	Combinational semantic approach for efficient data extraction from multiple documents	Wilson P.K., Jeba J.R.	International Journal of Advanced Trends in Computer Science and Engineering	9	4	0	0	0
20 20	Mining of network data for intrusion detection using multi-dimensional hierarchical k means clustering employed	Josemila Baby J., Jeba J.R.	Indian Journal of Computer Science and Engineering	11	4	0	0	0

	with hybrid abc-dt							
20 20	An agile dimensional data mart architecture for clinical laboratory towards the development of an evolving enterprise clinical data warehouse	George J., Jeyakumar M.K.	International Journal of Advanced Trends in Computer Science and Engineering	9	4	0	0	0
20 20	Drag reduction for payload fairing of satellite launch vehicle with aerospike in transonic and low supersonic speeds	Mehta R.C.	Advances in Aircraft and Spacecraft Science	7	4	0	1	1
20 20	Effect of Sintering Temperature on Mechanical Properties of Mg â€“ HA Composites	Durai T.J., Sivapragash M., Vettivel S.C., Aurtherson P.B.	Metal Science and Heat Treatment	62	3-4	0	1	1
20 20	An enhanced back propagation method for change analysis of remote sensing images with adaptive preprocessing	Dalmiya C.P., Santhi N., Sathyabama B.	European Journal of Remote Sensing	53	1	1	0	1
20 20	The circular economy in the textile and apparel industry: A systematic literature review	Jia F., Yin S., Chen L., Chen X.	Journal of Cleaner Production	259		10	47	57
20 20	The Practice of al-Taâ€™awun in the Wedding Expenditure of Malay-Muslims in Malaysia	Husin S.N.M.S., Azahari R., Rahman A.A.	Pertanika Journal of Social Sciences and Humanities	28	2	0	0	0
20 20	Parametric Analysis on Optimized PFoPID control design of a Grid-connected PV inverter for MPPT	Thangam T., Muthuvel K.	Proceedings of the 4th International Conference on Trends in Electronics and Informatics, ICOEI 2020			1	0	1
20 20	Algorithmic Study on Facial Emotion Recognition model with Optimal Feature	Devi B., Jain Preetha M.M.S.	Proceedings of the 4th International			0	0	0

	Selection via Firefly Plus Jaya Algorithm		Conference on Trends in Electronics and Informatics, ICOEI 2020					
20 20	A hybrid approach for intrusion detection using integrated K-Means based ANN with PSO optimization	Baby J.J., Jeba J.R.	Advances in Science, Technology and Engineering Systems	5	3	0	0	0
20 20	Development of molybdenum disulphide reinforced alginic acid composites	Sreekumar K., Bindhu B.	Indian Journal of Biochemistry and Biophysics	57	3	3	1	4
20 20	A polymer blend from Gum Arabic and Sodium Alginate - preparation and characterization	Nair R.M., Bindhu B., V L R.	Journal of Polymer Research	27	6	2	1	3
20 20	Evaluation of antioxidant and neuroprotective activities of <i>Lyngbya majuscula</i> on human neural tissues	Manogar P., Vijayakumar S., Praseetha P.K.	Gene Reports	19		0	1	1
20 20	Binary operation based hard exudate detection and fuzzy based classification in diabetic retinal fundus images for real time diagnosis applications	Pradeep A., Joseph X.F.	International Journal of Electrical and Computer Engineering	10	3	2	2	4
20 20	Hybrid power generation system with Total Harmonic Distortion minimization using improved Rider Optimization Algorithm: Analysis on converters	Ravikumar S., Vennila H., Deepak R.	Journal of Power Sources	459		1	1	2
20 20	Unmet need for presbyopia correction and its associated factors among school teachers in Hawassa city, South Ethiopia	Munaw M.B., Kebede B.N., Adimassu N.F.	BMC Ophthalmology	20	1	0	0	0
20	Comparative analysis	Anantha	Journal of	10	5	0	0	0

20	of thermal comfort in a building using energy efficient material	Lekshmi M.L., Stalin Jose Y.	Green Engineering					
20 20	Foundation steps for a well-defined clinical business intelligence system-an analysis of data warehouse approaches with respect to healthcare data	George J., Jeyakumar M.K.	Indian Journal of Computer Science and Engineering	11	3	0	0	0
20 20	Modified Optimization in 5G Optical Wireless Systems	Mathews A.B., Glan Devadhas G.	Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020			0	0	0
2020	Sustainable supply chain management: A hybrid method to assess the drivers	Saji S.S., Ramasamy N., Chandramana S.B.	International Journal of Advanced Science and Technology	29	8	0	0	0
2020	Kernel-based Bayesian clustering of computed tomography images for lung nodule segmentation	Baby Y.R., Ramayyan Sumathy V.K.	IET Image Processing	14	5	0	2	2
2020	Research perspectives and state-of-the-art methods in photovoltaic microgrids	Thangam T., K M., Kazem H.A.	World Journal of Engineering	17	2	1	0	1
2020	COVID-19 pandemic and safe dental practice: Need of the hour	Kumar G., Mohan R., Prasad Hiremutt D., Vikhran K.	Journal of Indian Academy of Oral Medicine and Radiology	32	2	1	1	2
2020	Design and Implementation of Content-Based Natural Image Retrieval Approach Using Feature Distance	Arunlal S.L., Santhi N., Ramar K.	International Journal of Image and Graphics	20	2	0	0	0
2020	Assessment of aluminium metal matrix composites – review	Push P.B., Bavanish B.	International Journal of Mechanical and Production Engineering Research and Development	10	2	0	0	0
2020	Evaluation of signal intensity for differential diagnosis of brain lesions in magnetic resonance imaging	Smitha H., Meena Devi V.N., Jacob V., Sreekanth K.S.	International Journal of Scientific and Technology Research	9	4	0	0	0
2020	A closed-loop supply chain robust optimization for disposable appliances	Gholizadeh H., Tajdin A., Javadian N.	Neural Computing and Applications	32	8	4	15	19
2020	Secondary metabolites of medicinal plants: Ethnopharmacological properties, biological activity and production strategies	Singh B., Sharma R.V.	Secondary Metabolites of Medicinal Plants: Ethnopharmacological Properties, Biological Activity and Production Strategies			1	5	6
2020	Blood vessel segmentation and diabetic retinopathy recognition: an intelligent approach	Nair A.T., Muthuvel K.	Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization	8	2	0	2	2
2020	Significance of frequency domain features of pcg records for murmur detection - An investigation	Careena P., Mary Synthuja Jain Preetha M., Arun P.	Biomedical and Pharmacology Journal	13	2	0	0	0
2020	Robust power flow control of PV and battery powered electric vehicle with	Jambulingam S., Mary Synthia Regis	Journal of Green Engineering	10	3	1	0	1

	single stage interaction converter	Prabha D.M.						
2020	Automatic Detection of Segmentation and Advanced Classification Algorithm	Mathews A.B., Jeyakumar M.K.	Proceedings of the 4th International Conference on Computing Methodologies and Communication, ICCMC 2020			0	2	2
2020	Selection of best 3PL provider using ism and anp technique	Ashok R., Rajesh R.	International Journal of Scientific and Technology Research	9	3	0	0	0
2020	Moth-flame optimization based radiant thermal pattern controller for continuous stirred tank heater	Kabila V., Glan Devadhas G.	International Journal of Scientific and Technology Research	9	3	0	0	0
2020	A systematic literature review on outlier detection in wireless sensor networks	Safaei M., Asadi S., Driss M., Boullila W., Alsaedi A., Chizari H., Abdullah R., Safaei M.	Symmetry	12	3	1	19	20
2020	Evaluating new strategies for anticancer molecules from ethnic medicinal plants through in silico and biological approach - A review	Vibala B.V., Praseetha P.K., Vijayakumar S.	Gene Reports	18		1	3	5
2020	AQ-Routing: mobility-, stability-aware adaptive routing protocol for data routing in MANETs IoT systems	Serhani A., Naja N., Jamali A.	Cluster Computing	23	1	2	4	6
2020	Analysis of Lung Tumor Detection using Various Segmentation Techniques	Mathews A.B., Jeyakumar M.K.	Proceedings of the 5th International Conference on Inventive Computation Technologies, ICICT 2020			0	1	1
2020	Machine Learning Approach for 5G Hybrid Technologies	Mathews A.B., Glan Devadhas G.	Proceedings of the 5th International Conference on Inventive Computation Technologies, ICICT 2020			1	0	1
2020	Enabling authenticity and integrity with Information Hiding for secure communication in Internet of Things	Jebin Bose S., Dhas J.P.M., Cynthia S.	International Conference on Emerging Trends in Information Technology and Engineering, ic-ETITE 2020			1	0	1
2020	IoT based bus arrival time prediction using Artificial Neural Network (ANN) for smart public transport system (SPTS)	Jabamony J., Shanmugavel G.R.	International Journal of Intelligent Engineering and Systems	13	1	2	1	3
2020	A review analysis of reverse converter based on Rns in signal processing	Daphni S., Vijula Grace K.S.	International Journal of Scientific and Technology Research	9	2	0	1	1
2020	Techniques Tanimoto correlated feature selection system and hybridization of clustering and boosting ensemble classification of remote sensed big data for weather forecasting	Pooja S.B., Siva Balan R.V., Anisha M., Muthukumar M.S., Jothikumar R.	Computer Communications	151		0	2	2
2020	Modified molybdenum disulfide induced beta polymorph phase transition in Polyvinylidene fluoride	Gopika M.S., Bindhu B.	Chemical Physics Letters	740		0	2	2
2020	Lung cancer detection from ct images using salp-elephant optimization-based deep learning	Shanid M., Anitha A.	Biomedical Engineering - Applications, Basis and Communications	32	1	1	0	1
2020	Design of PWM with four transistor comparator for DC-DC boost converters	Rex S.R., Praba D.M.M.S.R.	Microprocessors and Microsystems	72		2	1	3
2020	Detection of pH neutralization technique in multiple tanks using ANFIS controller	Rose T.P., Devadhas G.G.	Microprocessors and Microsystems	72		0	0	0
2020	Design and development of new control technique for standalone PV system	S B.R.V., Devadhas G.G.	Microprocessors and Microsystems	72		1	1	3
2020	Impact of surface-modified molybdenum disulphide on crystallization, thermal and mechanical properties of polyvinylidene fluoride	Gopika M.S., Bindhu B., Sandhya K.Y., Reena V.L.	Polymer Bulletin	77	2	1	0	2
2020	Refined approach for automatic segmentation of spinal canals	Warrier G.S., Viji K.A.	Oxidation Communications	43	4	0	0	0
2020	Gastric cancer detection using isic and srm model	Ravindran Z., Palanikumar S.	Oxidation Communications	43	4	0	0	0

2020	Analysis of mechanical properties and optimization of laser beam welding parameters on dissimilar metal titanium (Ti6Al4V) and aluminium (A6061) by factorial and ANOVA techniques	Chandran S., Rajesh R., Dev Anand M.	Materials Today: Proceedings	42		0	3	3
2020	Modeling and prediction of die sinking EDM process parameters for A6061/6%B4C metal matrix composite material	Shyn C.S., Rajesh R., Dev Anand M.	Materials Today: Proceedings	42		0	0	0
2020	Transparency of good feedback and suggestion from stakeholders for improvement on management, managers and employees	Mohamed S.A., Devaraj K.	Elementary Education Online	19	3	0	0	0
2020	Optimization of horizontal axis wind turbine blade using FEA	Amjith L.R., Bavanish B.	Materials Today: Proceedings	37	2	0	0	0
2020	A brief review on the Gorlov helical turbine and its possible impact on power generation in India	Jayaram V., Bavanish B.	Materials Today: Proceedings	37	2	0	0	0
2020	Automatic text segmentation and recognition in natural scene images using msocr	Samuel S.R.S., Seldev C.C., Vinila S.J.	Current Signal Transduction Therapy	15	3	0	0	0
2020	Sperm abnormalities: In the male partners of infertile couples from Kanyakumari district	Viswambharan N., Manavalan M.	International Journal of Infertility and Fetal Medicine	11	1	0	0	0
2020	Design and analysis of 5 MW horizontal axis wind turbine	Amjith L.R., Bavanish B.	Materials Today: Proceedings	37	2	0	3	3
2020	Gene Expression Analysis to Mine Highly Relevant Gene Data in Chronic Diseases and Annotating its GO Terms	Bell J.B.B., Vigila S.M.C.	EAI Endorsed Transactions on Energy Web	7	30	0	0	0
2020	H-e super magic hamilton decomposition of graphs	Remya J., Sudha M.	Advances in Mathematics: Scientific Journal	9	12	0	0	0
2020	An enhanced DNA sequence table for improved security and reduced computational complexity of DNA cryptography	Imdad M., Ramli S.N., Mahdin H., Mouni B.U., Sahar S.	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST	330		0	0	0
2020	Reliable and Hybridized Trust Based Algorithm to Thwart Blackhole Attacks in MANETs using Network Preponderant Determinants	Thebiga M., Pramila R.S.	International Journal of Interactive Mobile Technologies	14	19	0	1	1
2020	Multifunctional 1,10-phenanthroline derivative and its metal complexes as an anti-Alzheimer's agent: structure-based drug design, synthesis, characterization and pharmacological studies	Gladis E.H.E., Nagashri K., Suman A., Joseph J.	Journal of Coordination Chemistry	73	23	0	1	1
2020	An eco-friendly green biopolymer blend for copper corrosion inhibition	Nair R.M., Bindhu B., Manikandanath N.T., Rimal Isaac R.S.	Polymer Bulletin			0	0	0
2020	A tumour segmentation approach from FLAIR MRI brain images using SVM and genetic algorithm	Aswathy S.U., Glan Devadhas G., Kumar S.S.	International Journal of Biomedical Engineering and Technology	33	4	1	1	2
2020	Study of sustainability issues in an Indian logistics service provider: SAP-LAP approach	Gupta A., Singh R.K.	Qualitative Research in Organizations and Management: An International Journal			0	1	1
2020	Research perceptions on ransomware attack: a complete analysis on conventional authentication protocols in network	Shemitha P.A., Dhas J.P.M.	Evolutionary Intelligence			0	0	0
2020	An exhaustive study on the lung cancer risk models	Shanid M., Anitha A.	International Journal of Bioinformatics Research and Applications	16	2	0	0	0
2020	Geometric decomposition of graph with various common ratio	Remya J., Sudha M.	Advances in Mathematics: Scientific Journal	9	7	1	0	1
2020	Complete cototal domination number of central graphs	Maria Regila Baby J., Uma Samundesvari K.	Advances in Mathematics: Scientific Journal	9	8	0	0	0
2020	Development of Taguchi based grey relational analysis optimization for FSW of AZ31B magnesium alloy	Unnikrishnan M.A., Edwin Raja Dhas J., Shanavas S.	International Journal of Vehicle Structures and Systems	12	3	0	0	0
2020	Computation of base pressure based on to fill-up the growing space applied to reentry capsules	Mehta R.C.	AIAA AVIATION 2020 FORUM	1		0	0	0
2020	Bilateral filter based image enhancement for retinal fundus images	Das N.S., Palanikumar S.	Oxidation Communications	43	3	0	0	0
2020	Epileptic seizure detection in EEG using improved entropy	Gini A.T.P., Queen M.P.F.	International Journal of Biomedical Engineering and	33	4	0	0	0

			Technology					
2020	Laser beam welding: Research state of the art on performance and measures	Chandran S., Rajesh R., Devanand M.	Control and Cybernetics	49	1	0	1	1
2020	Reverse wiener index of unitary addition cayley graphs	Thilaga C., Sarasija P.B.	Advances in Mathematics: Scientific Journal	9	8	0	0	0
2020	A Review on Various Clustering Approaches for Image Segmentation	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Proceedings of the 4th International Conference on Inventive Systems and Control, ICISC 2020			0	0	0
2020	Categorization and comparison of various tracking algorithm for photovoltaic application	Sree Devi I.S., Mary Synthia Regis Prabha D.M.	Journal of Advanced Research in Dynamical and Control Systems	12	5	0	0	0
2020	A novel integrated point detection based feature extraction technique for early diagnosis of alzheimer's disease from mri brain images	Dinu A.J., Ganesan R., Manju R.	International Journal of Current Research and Review	12	15	1	2	3
2020	Visible active TiO ₂ -CdS-rGO ternary nanocomposite for enhanced photodecomposition of methylene blue	Raja A., Rajasekaran P., Selvakumar K., Ganapathi Raman R., Swaminathan M.	Materials Today: Proceedings	29		0	2	2
2020	Intelligent particle swarm optimization for quality machining in advanced manufacturing process	Ramanan G., Bino Prince Raja D., Samuel K.	Materials Today: Proceedings	24		0	0	0
2020	Trust-Based Chaos Access Control Framework by Neural Network for Cloud Computing Environment	Benifa J.V.B., Mini G.V.	EAI/Springer Innovations in Communication and Computing			0	0	0
2020	Wiener polynomial and degree distance polynomial of some graphs	Jeyanthi D.A., Selvarajan T.M.	Advances in Mathematics: Scientific Journal	9	9	0	0	0
2020	Unitary divisor addition cayley graphs	Thilaga C., Sarasija P.B.	Advances in Mathematics: Scientific Journal	9	9	0	0	0
2020	Nanoscale imaging technique for accurate identification of brain tumor contour using NBDS method	Vijila Rani K., Joseph Jawhar S., Palanikumar S.	Journal of Ambient Intelligence and Humanized Computing			0	2	2
2020	A report on behavior-based implicit continuous biometric authentication for smart phone	P. R V., A A., Gopalakrishnan U.	Advances in Intelligent Systems and Computing	1155		0	0	0
2020	A short analysis on the morphological characterization of colloidal quantum dots for photovoltaic applications	Najeeb M.A., Ahmad Z., Balamurugan S., Sulaiman K., Shakoar R.A.	Current Nanoscience	16	4	0	1	1
2020	Tensile strength comparison of friction stir welded magnesium alloys using ASTM / ASME standards	Unnikrishnan M.A., Edwin Raja Dhas J.	Journal of Advanced Research in Dynamical and Control Systems	12	7	0	0	0
2020	Chicken-moth search optimization-based deep convolutional neural network for image steganography	Reshma V.K., Od Kumar. R.S., Shahi D., Shyji M.B.	Scalable Computing	21	2	0	0	0
2020	Forecasting the impact of social media advertising among college students using higher order statistical functions	Zenith.N. M., Radhika R.	Scalable Computing	21	2	0	0	0
2020	Optimization based routing model for the dynamic path planning of emergency vehicles	Jose C., Vijula Grace K.S.	Evolutionary Intelligence			0	0	0
2020	A novel method for mapping plaintext characters to elliptic curve affine points over prime field and pseudorandom number generation	Varghese S., Vigila S.M.C.	International Journal of Computer Information Systems and Industrial Management Applications	12		0	0	0
2020	Complete cototal edge domination number of certain graphs	Maria Regila Baby J., Uma Samundesvari K.	Advances in Mathematics: Scientific Journal	9	6	0	0	0
2020	A comparative analysis of energy efficient mobile offloading mechanisms	Anoop S., Amar Pratap Singh J.	International Journal of Advanced Trends in Computer Science and Engineering	9	1	0	0	0
2020	Mechanical and Microstructural Characterization of Friction Stir-Welded AA2219: TiCp-Reinforced Composites	Edwin Raja Dhas J., Dhas J.H.	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering			0	1	1
2020	Strength characterization of caryota urens fibre and aluminium 2024-T3 foil multi-stacking sequenced SiC-toughened epoxy structural composite	Vincent V.A., Kailasanathan C., Shanmuganathan V.K., Kumar J.V.S.P., Arun Prakash V.R.	Biomass Conversion and Biorefinery			4	7	11
2020	A novel combined point detection and feature extraction method for early	Dinu A.J., Manju R., Ganesan R.	Journal of Critical Reviews	7	13	0	2	2

	detection of alzheimer's disease							
2020	Restoration of compressed image using hard thresholding method	Sujithra M.S., Sugitha N.	International Journal on Emerging Technologies	11	3	0	0	0
2020	Real-time traffic signal management system for emergency vehicles using embedded systems	Jose C., Vijula Grace K.S.	Lecture Notes in Electrical Engineering	656		0	1	1
2020	Voting-based ensemble of unsupervised outlier detectors	Thomas R., Judith J.E.	Lecture Notes in Electrical Engineering	656		4	1	5
2020	Effectiveness of wilson amplitude for the detection of murmur from the pcg records	Careena P., Mary Synthuja Jain Preetha M., Arun P.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	An efficient multiauthority attribute-based encryption technique for storing personal health record by compressing the attributes	Sammy F., Vigila S.M.C.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	Multiband-loaded compact antenna design for wimax/wlan/uwb applications	Sreeja T.K., Jayakumari J., Chandrakala K., Nair R.M., Vasu A.S.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	Energy-conserving cluster method with distance criteria for cognitive radio networks	Sumi M.S., Ganesh R.S.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	Hep-2 specimen image segmentation and classification using glcm and dct based feature extraction with cnn classifier	Manju C.C., Victor Jose M.	Lecture Notes in Electrical Engineering	656		0	1	1
2020	A robust tamil text to speech synthesizer using support vector machine (svm)	Femina Jalin A., Jayakumari J.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	A comparative study on data cleaning approaches in sentiment analysis	Mohamed Zakir H., Vinila Jinny S.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	Robust adaptable segmentation-based copy move forgery detection method	Dhanya R., KalaiSelvi R.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	Sybil attack in vanet operating in an urban environment: an overview	Velayudhan N.C., Anitha A.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	A comparative performance analysis of different denoising techniques in sputum smear images	Shafeen Nagoor M., Vinila Jinny S.	Lecture Notes in Electrical Engineering	656		0	0	0
2020	Enhanced Cluster Head Selection Approach for small scale and large scale network in WSN for improving energy efficiency	Selvalakshmi M., Jeyakumar M.K.	International Journal of Engineering Trends and Technology	68	2	0	1	1
2020	A dimensional data model for healthcare revenue cycle analytics and business intelligence	George J., Jeyakumar M.K.	International Journal on Emerging Technologies	11	3	0	0	0
2020	A novel classification approach to detect the presence of foetal cardiac anomaly from foetal electrocardiogram	Anisha M., Kumar S.S., Benisha M.	International Journal of Biomedical Engineering and Technology	33	1	0	0	0
2020	Influence of Cylindrical Threaded Tool Pin Profile on the Mechanical and Metallurgical Properties of FSW of ZE42 Magnesium Alloy	Darwins A.K., Satheesh M., Ramanan G.	Lecture Notes in Mechanical Engineering			0	1	1
2020	Genetic Algorithm and Particle Swarm Optimization in Minimizing MakeSpan Time in Job Shop Scheduling	Anil Kumar K.R., Das E.R.	Lecture Notes in Mechanical Engineering			0	0	0
2020	A novel secret key generation scheme for manets using traffic load to avoid active attackers	Shibu K.R., Suji Pramila R.	International Journal of Emerging Trends in Engineering Research	8	5	3	0	3
2020	Protecting big data in public cloud by enhanced RBAC	Dhas J.L.J., Maria Celestin Vigila S.	Indian Journal of Computer Science and Engineering	11	2	0	0	0
2020	An approach for reduce distortion and improve system performance of MIMO-OFDM using wiener hammerstein equalizer	Shamna A.R., Amala Shanthi S.	Journal of Advanced Research in Dynamical and Control Systems	12	4	0	0	0
2020	A Machine Learning Approach in Medical Image Analysis for Brain Tumor Detection	Aswani K., Menaka D., Manoj M.K.	Lecture Notes in Networks and Systems	118		0	0	0
2020	Facebook: A medium in enhancing communication skills in L2 learners	Vivekha S., Rakesh Babu M.	Journal of Critical Reviews	7	6	0	0	0
2020	Performance comparison of MIMO-OFDM using wiener hammerstein and CNN equalizers	Shamna A.R., Shanthi S.A.	Journal of Critical Reviews	7	6	0	0	0
2020	An analysis on feature selection methods, clustering and classification used in heart disease prediction - A machine learning approach	Romalt A.A., Kumar R.M.S.	Journal of Critical Reviews	7	6	1	0	1
2020	Socio feminist issues in the select novels of Chetan Bhagat	Titus Livingston E., Rakesh Babu M.	Journal of Critical Reviews	7	6	0	0	0
2020	The smashed selfhood: Toni Morrison's Sula as an abandoned	Abigail V., Rakesh Babu M.	Journal of Critical Reviews	7	7	0	0	0

	Black lady							
2020	De-Tumbling Controller of NIUSAT: Design, Simulation and On-Orbit Performance	Aaron Raphael Raja F., Diwan V., Samuel K.	Lecture Notes in Mechanical Engineering			0	0	0
2020	An improved detector to reduce the complexity in higher order Hierarchical modulated system	Chandra Kala K., Jaya Kumari J.	Journal of Applied Science and Engineering	23	2	0	0	0
2020	Conflict and compromise in Bhabani Bhattacharya's shadow from Ladakh	Ahalya T., Bindhu V.S.	Journal of Critical Reviews	7	6	0	0	0
2020	Debasement, and resurgence of culture, tradition and nature: A tribal perspective of Rajam Krishnan's when the Kurinji blooms	Suganth R.S., Jinu R.	Journal of Critical Reviews	7	6	0	0	0
2020	A study on segmentation algorithms for liver disorder analysis in medical images	Joel Dickson A., Arul Linsely J., Justin Diraviam A.	International Journal of Advanced Trends in Computer Science and Engineering	9	2	3	0	3
2020	Content-based image retrieval for mobile devices using multi-stage autoencoders	Aiswarya K.S., Santhi N., Ramar K.	Journal of Critical Reviews	7	6	0	1	1
2020	Context-dependent regulation of NRF2/ARE axis on vascular cell function during hyperglycemic condition	Ramprasath T., Freddy A.J., Velmurugan G., Tomar D., Rekha B., Suvekbala V., Ramasamy S.	Current Diabetes Reviews	16	8	1	4	5
2020	A Comparative Study of Thresholding Based Defect Detection Techniques	Aslam Y., Santhi N.	Lecture Notes on Data Engineering and Communications Technologies	38		0	1	1
2020	Tissue engineering applications of bacterial cellulose based nanofibers	Unal S., Gunduz O., Uzun M.	Advanced Structured Materials	126		0	1	1
2020	Optimized support vector neural network and contourlet transform for image steganography	Reshma V.K., Vinod Kumar R.S., Shahi D., Shyji M.B.	Evolutionary Intelligence			0	0	0
2020	A content based remote sensing image retrieval using a modified local color descriptors	Binisha Rose J., Santhi N., Ramar K.	Journal of Advanced Research in Dynamical and Control Systems	12	3	1	0	1
2020	Image retrieval in mobile by using position scale orientation SIFT and contextual saliency	Aiswarya K.S., Santhi N., Ramar K.	Journal of Advanced Research in Dynamical and Control Systems	12	3	1	0	1
2020	Forgotten polynomial of subdivision graphs	Ahila Jeyanthi D., Selvarajan T.M.	Journal of Advanced Research in Dynamical and Control Systems	12	3	0	0	0
2020	Feature extraction and performance evaluation of classification algorithms for liver tumor diagnosis of abdominal computed tomography images	Shanila N., Vinod Kumar R.S., Abin N.A.	Journal of Advanced Research in Dynamical and Control Systems	12	3	0	0	0
2020	Dominating sets and domination polynomial of fan related graphs	Selvarajan T.M., Ahila Jeyanthi D.	Journal of Advanced Research in Dynamical and Control Systems	12	3	0	0	0
2020	Validation of PRIMO monte carlo model of clinac@IX 6mv photon beam	Sarin B., Bindhu B., Saju B., Nair R.	Journal of Medical Physics	45	1	1	0	1
2020	Reversible steganography for RGB images using image interpolation	Shahi D., Vinod Kumar R.S., Reshma V.K.	Journal of Advanced Research in Dynamical and Control Systems	12	3	0	0	0
2020	Gravitational search algorithm based rnfl segmentation for early stage alzheimer's detection	Das N.S., Palanikumar S.	Journal of Critical Reviews	7	4	0	0	0
2020	A novel method for classification using multi class-SVM classifier with multi features	Jeslin T., Linsely J.A.	Journal of Critical Reviews	7	4	0	0	0
2020	Organization culture and employee performance in it industry in India	Shamsudin S., Velmurugan V.P.	International Journal of Psychosocial Rehabilitation	24	4	0	0	0
2020	Preparation of Poly(L-lactic acid)/Hydroxyapatite composite scaffolds by fused deposit modeling 3D printing	Dubinenko G.E., Zinoviev A.L., Bolbasov E.N., Novikov V.T., Tverdokhlebov S.I.	Materials Today: Proceedings	22		5	5	10
2020	Mapping the barriers for implementing halal logistics in Indonesian food, beverage and ingredient companies	Susanty A., Puspitasari N.B., Caterina A.D., Jati S.	Journal of Islamic Marketing	12	4	0	2	2
2020	Performance evaluation of various active contour models for liver boundary detection in abdomen computed tomography images	Shanila N., Vinod Kumar R.S.	Journal of Critical Reviews	7	3	0	0	0
2020	Empirical study on gastric cancer diagnosis using gastroenterology images	Ravindran Z., Kumar S.P.	Journal of Critical Reviews	7	3	0	0	0

2020	An analysis of third-party logistics market in the United Arab Emirates	Ashok R., Rajesh R.	International Journal of Supply Chain Management	9	1	0	0	0
2020	Employee morale (EM) and its impact on employee attitude (EA) in self financing colleges of Kerala	Kumar A., Velmurugan V.P.	Journal of Critical Reviews	7	2	0	0	0
2020	Perception towards the problems of e-banking among the new users at Thiruvananthapuram district	Dhanya B.K., Velmurugan V.P.	Journal of Critical Reviews	7	1	0	1	1
2020	Security issue in implantable medical device: A comprehensive survey	Ameer A.M., Jose M.V.	Journal of Critical Reviews	7	1	0	0	0
2020	Model of implanted electrocardiogram (ECG) monitoring	Ameer A.M., Jose M.V.	Journal of Critical Reviews	7	1	0	0	0
2020	Fusion of underwater images based on tetrolet transform & color correction algorithms	Sarath D., Sucharitha M.	Journal of Advanced Research in Dynamical and Control Systems	12	1	0	0	0
2020	Retrieving mobile based scalable images using position scale orientation-scale invariant feature transform algorithm	Aiswarya K.S., Santhi N., Ramar K.	Journal of Engineering Science and Technology	15	1	0	0	0
2020	Comparative study on the effect of lightweight aggregates on the properties of high performance concrete	Pradeep P., Beena M.O.L.	Journal of Engineering Science and Technology	15	1	0	0	0
2020	Prediction of process parameters in electrical discharge machining using response surface methodology and ANN: An experimental study	Chentil Jegan T.M., Chitra R., Thangarasu V.S.	International Journal of Business Intelligence and Data Mining	16	2	0	0	0
2020	The sustainability of nautical sports tourism in terengganu using a cost benefit analysis	Rahman N.S.F.A., Bazaruddin N.H., Shah S.F.S.S.J., Said M.H., Othman M.K.	Journal of Sustainability Science and Management	15	1	0	0	0
2020	A survey on assorted subsisting approaches to recognize and preclude black hole attacks in mobile Adhoc networks	Thebiga M., Suji Pramila R.	International Journal of Interactive Mobile Technologies	14	1	2	0	2
2020	Studies on new material: Carbon dot-graphene oxide-zinc oxide nanocomplex	Ajinsundar S., Rimal Issac R.S., Gopalakrishnan S., Joseph John N.	Materials Science-Poland			0	0	0
2020	A passive method for absolute dose evaluation of photoneutrons in radiotherapy	Rajesh K.R., Ganapathi Raman R., Musthafa M.M., Midhun C.V., Joseph N.	International Journal of Radiation Research	18	1	1	0	1

(b) SCI/SCIE

Sl. No.	Name of the Authors	Title of the Papers	Journal Name	Volume	Issue	Pages	Year (2015)	Year (2016)	Year (2017)	Year (2018)	Year (2019)	Year (2020)	Year (2021)	Impact Factor
1	Raja, T. S. Gokul; Balamurugan, S.; Reshma, A.	Synthesis, Different Characterizations and Pigment Application of Nanoceramic Zirconate Powder	Journal of nanoscience and nanotechnology	21	4	221-2220							Apr-21	1.354
2	Vijayan, N.; Princess, R.; Raja, S. Johnson; et al.	Synthesis, structural elucidation, pharmacological and molecular docking studies of terpolymer transition metal complexes	Journal of molecular structure	1227									MAR 5 2021	
3	Anisha, M.; Kumar, S. S.; Nithila, Ezhil E.	Detection of Fetal Cardiac Anomaly from Composite Abdominal Electrocardiogram	Biomedical signal processing and control	65									Mar-21	
4	Chitra, B.; Kumar, S. S.	Recent advancement in cervical cancer diagnosis for automated screening: a detailed review	Journal of ambient intelligence and humanized computing										Feb-21	
5	Diana, P.; Saravanakumar, S.; Prasad, K. Hari	Enhanced Photocatalytic Decomposition Efficacy of Novel MgO NPs: Impact of Annealing Temperatures	Journal of inorganic and organometallic polymers and materials										Feb-21	
6	Gladis, E. H. Edinsha; Nagashri, K.; Joseph, J.	Transition metal chelates with multifunctional 1,10-phenanthroline derivative towards production of hydrogen as alternative fuel from sea water: Design, synthesis, characterization and catalytic studies	International journal of hydrogen energy	46	9	6573-6587							FEB 3 2021	
7	Reegan, A. Selva; Kabila, V.	Highly Secured Cluster Based WSN Using Novel FCM and	Wireless personal communications										FEB 2021	

		Enhanced ECC-EIGamal Encryption in IoT												
8	Cyriac, Swapna Lilly; Bindhu, B.; Midhun, C. V	Emerging Trends in Nano Structured Silicon Detectors for Neutron Spectroscopy	Silicon										JAN 2021	
9	Thebiga, M.; Pramila, Suji R.	Adaptable and Energy Efficacious Routing using Modified Emperor Penguin Colony Optimization Multi faceted Metaheuristics Algorithm for MANETS	Wireless personal communications										Jan-21	
10	Balamurugan, S.; Ragasree, R.; Brightlin, B. C.	Magnetic Properties of Mechano-Thermally Processed Nanocrystalline MgFe ₂ O ₄ Spinel Materials	Journal of cluster science										Jan-21	
11	Jebin, R. P.; Suthan, T.; Anitha, T. R.	Growth and characterization of organic material 3,4-dimethoxybenzaldehyde-2,4-dinitroaniline single crystal	Journal of materials science-materials in electronics										Jan-21	
12	Arun, P. L.; Kumar, R. Mathusoothan a S.	Non-linear Sorenson-Dice Exemplar Image Inpainting Based Bayes Probability for Occlusion Removal in Remote Traffic Control	Multimedia tools and applications										JAN 2021	
13	Rajkumar, K.; Jeyakumar, M. K	Energy Efficient Clustering for Certificate Revocation Scheme in Mobile Ad-Hoc Network	Wireless personal communications										JAN 2021	
14	Gayathri Devi, K. S.; Sujatha Therese, P	Optimized PI controller for 7-level inverter to aid grid interactive RES controller	Journal of central south university	28	1	153-167							Jan-21	
15	Ma, Dongyang; Chelliah, Chenthis Kanisha; Alharbi, Naiyf S	Chrysanthemum morifolium extract mediated Ag NPs improved the cytotoxicity effect in A549 lung cancer cells	Journal of king saud university science	33	1								JAN 2021	
16	Khaled, Jamal M.; Alyahya, Sami A.; Kanisha, C. Chenthis	Anti-biofilm activity of LC-MS based Solanum nigrum essential oils against multi drug resistant biofilm forming P. mirabilis	Saudi journal of biological sciences	28	1	302-309							JAN 2022	
17	Nels, S. Ninisha; Singh, J. Amar Pratap	Security-aware authorization and verification based data aggregation model for wireless sensor networks	International journal of numerical modelling electronic networks devices and fiel										DEC 2020	
18	Gladis, E. H. Edinsha; Nagashri, K.; Joseph, J.	Design, synthesis, characterization, DNA binding, acetyl and butyryl cholinesterase activities of metal chelates with 1,10-Phenanthroline derivative	Inorganic chemistry communications	122									DEC 2020	
19	Rajivgandhi, Govindan Nadar; Ramachandran, Govindan; Kanisha, C. Chenthis	Anti-biofilm compound of 1,4-diaza-2,5-dioxo-3-isobutyl bicyclo[4.3.0] nonane from marine Nocardiopsis sp. DMS 2 (MH900226) against biofilm forming K. pneumoniae	Journal of king saud university science	32	8	349 5-350 2							Dec-20	
20	Vinolin, V.; Sucharitha	Dual adaptive deep convolutional neural network for video forgery detection in 3D lighting environment	Visual computer										Nov-20	
21	Nair, Renjini M.; Bindhu, B.; Manikandanath, N. T.	An eco-friendly green biopolymer blend for copper corrosion inhibition	Polymer bulletin										Nov-20	

22	Gladis, E. H. Edinsha; Nagashri, K.; Suman, A.	Multifunctional 1,10-phenanthroline derivative and its metal complexes as an anti-Alzheimer's agent: structure-based drug design, synthesis, characterization and pharmacological studies	Journal of coordination chemistry	73	23	3267-3290							NOV 20 2020		
23	Chidhambaram, N.; Valanarasu, S.; Ganesh, V;	Unraveling the enhanced photocatalytic decomposition efficacy of the Al-doped ZnO nanoparticles@graphene sheets	Journal of physics d-applied physics	53	46								NOV 11 2020		
24	Silvester, Leena M.; Kumar, Retnaswami Mathusoothan a S.	Efficient segmentation of lumbar intervertebral disc from MR images	let image processing	14	13	3076-3083							Nov-20		
25	Rani, K. Vijila; Dayana, C. Thinkal; Therese, P. Sujatha	Triple novelty block detection and classification approach for lung tumor analysis	International journal of imaging systems and technology										Oct-20		
26	Vanitha, V.; Vijayakumar, S.; Nilavukkarasi, M.	Heneicosane-A novel microbicidal bioactive alkane identified from Plumbago zeylanica L	Industrial crops and products	154									OCT 15 2020		
27	Sheelakumari, Raghavan; Bineesh, Cheminnikara; Varghese, Tinu;	Neuroanatomical correlates of apathy and disinhibition in behavioural variant frontotemporal dementia By: et al. Volume: 14 Issue: 5 Pages: Published:	Brain imaging and behavior	14	5	2004-2011							Oct-20		
28	Punitha, V. N.; Vijayakumar, S.; Sakthivel, B.	Protection of neuronal cell lines, antimicrobial and photocatalytic behaviours of eco-friendly TiO2 nanoparticles	Journal of environmental chemical engineering	8	5								Oct-20		
29	Sudha, S.; Jayaprakash, P.; Kumari, C. Rathika Thaya;	Growth and characterization of Catena-((mu(4)- dihydrogen oxalate)-bis(mu(3)-hydrogen oxalato)- (mu(2)-dihydrogen oxalate)-tetra-aqua-di-rubidium) {Rb(HC2O4)(H2C2O4)(H2O)(2)}(1)(infinity) single crystal for nonlinear optical applications	Chinese journal of physics	67		37-51							Oct-20		
30	Sebastian, S.; Vinoth, S.; Prasad, K. Hari	Quantitative analysis of Ag-doped SnS thin films for solar cell applications	Applied physics a-materials science & processing	126	10								SEP 12 2020		
31	Melekoodappa ttu, Jayesh George; Subbian, Perumal Sankar; Queen, M. P. Flower	Detection and classification of breast cancer from digital mammograms using hybrid extreme learning machine classifier	International journal of imaging systems and technology										SEP 2020		

32	Sana, Siva Sankar; Dogiparthi, Lakshman Kumar; Gangadhar, Lekshmi	Effects of microplastics and nanoplastics on marine environment and human health	Environmental science and pollution research	27	36	447-43-447-56						SEP 2020		
33	Lekshmi, Gangadhar; Sana, Siva Sankar; Van-Huy Nguyen	Recent Progress in Carbon Nanotube Polymer Composites in Tissue Engineering and Regeneration	International journal of molecular sciences	21	17							Sep-20		
34	Vasanthi, D. S.; Ravichandran, K.; Kavitha, P	Combined effect of Cu and N on bandgap modification of ZnO film towards effective visible light responsive photocatalytic dye degradation	Superlattices and microstructures	145								Sep-20		
35	Seelan, K. Shantha; Ravichandran, K.; Kavitha, P.	Simultaneous doping of higher ionic state metal and surface plasmon resonance-inducing element with ZnO: an effective approach to improve photocatalytic dye degradation	Applied physics a-materials science & processing	126	9							AUG 30 2020		
36	Rani, K. Vijila; Jawhar, S. Joseph; Palanikumar, S.	Nanoscale imaging technique for accurate identification of brain tumor contour using NBDS method	Journal of ambient intelligence and humanized computing early									Aug-20		
37	Shyji, M. B.; Maheswaran, C. P.; Reshma, V. K.	Optimized and Dynamic Selection of Cluster Head Using Energy Efficient Routing Protocol in WSN	Wireless personal communications	116	1	577-599						Aug-20		
38	Sakthivel, A.; Thangagiri, B.; Raman, N	Spectroscopic, SOD, anticancer, antimicrobial, molecular docking and DNA binding properties of bioactive VO(IV), Cu(II), Zn(II), Co(II), Mn(II) and Ni(II) complexes obtained from 3-(2-hydroxy-3-methoxybenzylidene)pentane-2,4-dione	Journal of biomolecular structure & dynamics									Aug-20		
39	Preetha, R.; Jinny, S. Vinila	Early diagnose breast cancer with PCA-LDA based FER and neuro-fuzzy classification system	Current science	119	5	734-735						SEP 10 2020		
40	Anoop, S.; Singh, J. Amar Pratap	Multi-user energy efficient secured framework with dynamic resource allocation policy for mobile edge network computing	Journal of ambient intelligence and humanized computing									AUG 2020		
41	Bibal Benifa, J. V.; Venifa Mini G	Privacy Based Data Publishing Model for Cloud Computing Environment	Wireless personal communications	113	4	221-5-224-1						Aug-20		
42	Dhanraj, C.; Ravichandran, K.; Kavitha, P.	Excess free-electrons activated photocatalytic ability of ZnO films through co-doping of higher oxidation state transition metals Ta and Mo	Inorganic chemistry communications	118								Aug-20		
43	Durai, T. Judson; Sivapragash, M.; Vettivel, S. C.	Effect of Sintering Temperature on Mechanical Properties of Mg - HA Composites	Metal science and heat treatment	62	3-4	285-291						Jul-20		

44	Raj, Sonia S. Raj; Dhas, J. Edwin Raja; Jesuthanam, C. P.	Challenges on machining characteristics of natural fiber-reinforced composites - A review	Journal of reinforced plastics and composites	40	1-2	41-69							JAN 2021	
45	Arshey, M.; Viji, Angel K. S.	An optimization-based deep belief network for the detection of phishing e-mails	Data technologies and applications	54	4	529-549							SEP 7 2020	
46	Dhas, J. Edwin Raja; Dhas, Jenkins Hexley	Mechanical and Microstructural Characterization of Friction Stir-Welded AA2219: TiCp-Reinforced Composites	Iranian journal of science and technology transactions of mechanical engineering										JUL 2020	
47	Vincent, V. Antony; Kailasanathan, C.; Shanmuganathan, V. K.	Strength characterization of caryota urens fibre and aluminium 2024-T3 foil multi-stacking sequenced SiCtoughened epoxy structural composite	Biomass conversion and biorefinery										Jun-20	
48	Babu, Varghese Jensy; Jose, M. Victor	Improved Merkle Hash Tree-Based One-Time Signature Scheme for Capability-Enhanced Security Enforcing Architecture for Named Data Networking	Wireless personal communications	115	1	557-574							Nov-20	
49	Sreekumar, Kalyani; Bindhu, B	Development of molybdenum disulphide reinforced alginate acid composites	Indian journal of biochemistry & biophysics	57	3	312-316							Jun-20	
50	Balamurugan, S.; Resmi, S. P.; Brightlin, B. C.	Impact of Different Set of Precipitants on the Formation of BaFe ₁₂ O ₁₉ Phase Nanomaterials	Journal of nanoscience and nanotechnology	20	6	3486-3495							Jun-20	
51	Ravikumar, S.; Vennila, H.; Deepak, R	Hybrid power generation system with Total Harmonic Distortion minimization using improved Rider Optimization Algorithm: Analysis on converters	Journal of power sources	459									MAY 31 2020	
52	Nair, Renjini M.; Bindhu, B.; Reena, V. L.	A polymer blend from Gum Arabic and Sodium Alginate preparation and characterization	Journal of polymer research	27	6								MAY 16 2020	
53	Thebiga, M.; SujiPramila, R.	A New Mathematical and Correlation Coefficient Based Approach to Recognize and to Obstruct the Black Hole Attacks in Manets Using DSR Routing	Wireless personal communications	114	2	975-993							SEP 202	
54	Baby, Yadhu; Sumathy, Vinod Kumar Ramayyan	Kernel-based Bayesian clustering of computed tomography images for lung nodule segmentation	let image processing	14	5	890-900							APR 17 2020	
55	Raja, T. S. Gokul; Dheebikha, K.; Balamurugan, S	Enhanced Band Gap, Optical and Near-Infra-Red Reflecting Properties of Environmentally Benign Synthesized Nanocrystalline Gd ₂ Ti ₂ O ₇ Pyrochlore Materials	Journal of nanoscience and nanotechnology	20	4	2277-2285							Apr-20	

56	Aslam, Yasir; Santhi, N.; Ramasamy, N.	Localization and segmentation of metal cracks using deep learning	Journal of ambient intelligence and humanized computing									FEB 2020		
57	Pooja, S. B.; Balan, R. V. Siva; Anisha, M.	Techniques Tanimoto correlated feature selection system and hybridization of clustering and boosting ensemble classification of remote sensed big data for weather forecasting	Computer communications	151	266- 274							FEB 1 2020		
58	Gopika, M. S.; Bindhu, B.; Sandhya, K. Y.	Impact of surface-modified molybdenum disulphide on crystallization, thermal and mechanical properties of polyvinylidene fluoride	Polymer bulletin	77	2	757- 773						FEB 2020		
59	Raj, Bibin V. S.; Devadhas, G. Glan	Design and development of new control technique for standalone PV system	Microprocessors and microsystems	72								Feb- 20		
60	Rex, S. Reeba; Praba, D. M. Mary Synthia Regis	Design of PWM with four transistor comparator for DCDC boost converters	Microprocessors and microsystems	72								Feb- 20		
61	Rose, T. Pravin; Devadhas, G. Glan	Detection of pH neutralization technique in multiple tanks using ANFIS controller	Microprocessors and microsystems	72								FEB 2020		
62	Gopika, M. S.; Bindhu, B.	Modified molybdenum disulfide induced beta polymorph phase transition in Polyvinylidene fluoride	Chemical physics letters	740								Feb- 20		
63	Gopika, M. S.; Bindhu, B.	Modified molybdenum disulfide induced beta polymorph phase transition in Polyvinylidene fluoride	Chemical physics letters	740								FEB 2020		
64	Najeeb, Mansoor Ani; Ahmad, Zubair; Balamurugan, Sarkarainadar	A Short Analysis on the Morphological Characterization of Colloidal Quantum Dots for Photovoltaic Applications	Current nanoscience	16	4	544- 555						Jul-05		
65	Rajesh, K. R.; Raman, R. Ganapathi; Musthafa, M. M	A passive method for absolute dose evaluation of photoneutrons in radiotherapy	International journal of radiation research	18	1	173- 178						Jan- 20		
66	Balamurugan, S.; Brightlin, B. C.; Jainshaa, J.	Physical Properties of BaFe12O19 Materials Obtained Under Different pH Using Hexamine as Novel Fuel by Auto Combustion Followed by Annealing Route	Journal of nanoscience and nanotechnology	20	1	87- 95						Jan- 20		
67	Khanna, Deepak; Chaubal, Tanay; Bapat, Ranjeet	Carcinoma ex pleomorphic adenoma: a case report and review of literature	African health sciences	19	4	325 3- 326 3						Dec- 19		
68	Muthuvel, K.; Anto, S.; Alexander, T. Jerry	GABC based neuro-fuzzy classifier with hybrid features for ECG Beat classification	Multimedia tools and applications	78	24	353 51- 353 72						Dec- 19		

69	Aswathy, S. U.; Devadhas, G. Glan; Kumar, S. S.	Brain tumor detection and segmentation using a wrapper based genetic algorithm for optimized feature set	Cluster computing-the journal of networks software tools and applications	22	6	133 69-133 80					Nov-19			
70	Anshad, P. Y. Muhammed; Kumar, S. S.; Shahudheen, Shajeem	Segmentation of chondroblastoma from medical images using modified region growing algorithm	Cluster computing-the journal of networks software tools and applications	22	6	134 37-134 44					Nov-19			
71	Sumi, M. S.; Ganesh, R. S.	Improved EGC method for increasing detection in cognitive radio networks	Computer communications	147		127-137					Nov-19			
72	Beulah, S.; Dhanaseelan, F. Ramesh	Detection of duplicated data with minimum overhead and secure data transmission for sensor big data	Cluster computing-the journal of networks software tools and applications	22	5	104 67-104 79					Sep-19			
73	Bindhu, B.; Veluraja, K.	Medicinal Implication of Syzygium Cumini Nut on the Growth of Brushite Crystals	Proceedings of the national academy of sciences india section a-physical sciences	89	3	587-592					Sep-19			
74	Mathews, Asish B.; Devadhas, G. Glan	Non linearity mitigation and dispersion reduction using Bussgang theorem, modified MSE and improved MLE equalizers	Microprocessors and microsystems	69		35-42					Sep-19			
75	Godwin, M. Anto; Mahithashri, K.; Shiney, O. Jeba;	Metal Incorporated g-C3N4 Nanosheets as Potential Cytotoxic Agents for Promoting Free Radical Scavenging in Cancer Cell Lines	Journal of nanoscience and nanotechnology	19	9	544 8-545 5					SEP 2019			
76	Balamurugan, S.; Brightlin, B. C.; Arun, T.	Morphological Structure, Optical and Microbial Findings of Ferrites	Journal of nanoscience and nanotechnology	19	9	566 7-567 3					SEP 2019			
77	Shibu, K. R.; Pramila, R. Suji	Random Bit Extraction for Secret Key Generation in MANETs	Wireless personal communications	107	4	224 7-226 1					Aug-19			
78	Shaji, Ramaswamy Swarnammal; Dev, V. Sachin; Brindha, Thomas	A methodological review on attack and defense strategies in cyber warfare	Wireless networks volume	25	6	332 3-333 4					Aug-19			

79	Jebin, R. P.; Suthan, T.; Rajesh, N. P.	Growth and characterization of organic material 3,4,5- trimethoxybenzaldehyde single crystal for optical applications	Optics and laser technology	115		500- 507					Jul- 19			
80	Jinju, Joy; Santhi, N.; Ramar, K.;	Spatial frequency discrete wavelet transform image fusion technique for remote sensing applications	Engineering science and technology-an international journal-jestech	22	3	715- 726					Jun- 19			
81	Raja, D. Bino Prince; Retnam, B. Stanly Jones	Effect of short fibre orientation on the mechanical characterization of a composite material-hybrid fibre reinforced polymer matrix	Bulletin of materials science	42	3						JUN 201 9			
82	Ramanan, G.; Suresh, S.; Prabha, N. Rajesh;	Characterization, wear surface roughness and tensile failure analysis of Al7075- TiC-MoS2 hybrid composites using online acoustic emission	Materials research express	6	6						Jun- 19			
83	Arulmozhi, P.; Vijayakumar, S.; Praseetha, P. K.	Extraction methods and computational approaches for evaluation of antimicrobial compounds from Capparis zeylanica L	Analytical biochemistry	572		33- 44					MAY 1 201 9			
84	Kumar, R. Mathusoothan a S.	Robust multi-view videos face recognition based on particle filter with immune genetic algorithm	let image processing	13	4	600- 606					MA R 28 201 9			
85	Kunhambu, Dileep Varapravathu; Balan, Rathnamani	Efficient multi-objective particle swarm optimisation based ranking system for cloud service selection	let communications	13	3	297- 304					FEB 19 201 9			
86	Vijayakumar, S.; Manogar, P.; Prabhu, S.;	A pharmacoinformatic approach on Cannabinoid receptor 2 (CB2) and different small molecules: Homology modelling, molecular docking, MD simulations, drug designing and ADME analysis	Computational biology and chemistry	78		95- 107					Feb- 19			
87	Divya, S. V.; Shaji, R. S.; Venkadesh, P.	A COMBINED DATA STORAGE WITH ENCRYPTION AND KEYWORD BASED DATA RETRIEVAL USING SCDS-TM MODEL IN CLOUD	Malaysian journal of computer science	32	3	163- 185					201 9			
88	Raj, J. Saji Soundara; Christopher, T.; Kalaichelvan, K	Process Parameter Correlation in Low Pressure Hydro Forming of 6063-O Aluminium Tubes	Mechanika	25	1	64- 72					201 9			

89	Gharat, Poojan Milan; Chethodil, Jiddhu M.; Srivastava, Amit P	An insight into the molecular and surface state photoluminescence of carbon dots revealed through solvent-induced modulations in their excitation wavelength dependent emission properties	Photochemical & photobiological sciences	18	1	110-119					JAN 1 2019			
90	Pillai, Kanakasabha pathi; Jeyakumar, Muthayyan	A Real Time Extreme Learning Machine for Software development effort estimation	International arab journal of information technology	16	1	17-22					Jan-19			
91	Nithila, Ezhil E.; Kumar, S. S.	Segmentation of lung from CT using various active contour models	Biomedical signal processing and control	47		57-62					Jan-19			
92	Pradeep, P.; Dhas, J. Edwin Raja	Effect of alkali treatment and nano filler addition on properties of palm/glass fiber reinforced polymer composite	Indian journal of engineering and materials sciences	25	6	459-464				DEC 2018				
93	Ramachandran, S.	SUFFICIENT CONDITIONS FOR THE NDA RECONSTRUCTIBILITY OF ALL DIGRAPHS	Utilitas mathematica	109		291-302				NOV 2018				
94	Ibrahim, S.; Mehta, R. C.	An Investigation of Air Flow and Thermal Comfort of Modified Conventional Car Cabin using Computational Fluid Dynamics	Journal of applied fluid mechanics	11		141-150				Oct-18				
95	Vijayakumar, S.; Yabesh, J. E. Morvin; Arulmozhi, P	Identification and isolation of antimicrobial compounds from the flower extract of Hibiscus rosa-sinensis L: In silico and in vitro approaches	Microbial pathogenesis	123		527-535				Oct-18				
96	Ramachandran, S.	NEIGHBORHOOD DEGREES ASSOCIATED RECONSTRUCTION OF DIGRAPHS FOR ULAM'S CONJECTURE	Utilitas mathematica	108		133-148				Sep-18				
97	Benita, J.; Jayaparvathy, R.	Block Allocation Strategy for Multiple Input Multiple Output (MIMO)-Orthogonal Frequency Division Multiple Access (OFDMA) System	Wireless personal communications	101	3	1201-1219				Aug-18				
98	Tom, Greeshma; Philip, Sheena; Isaac, Rimal	Preparation of an efficient and safe polymeric-magnetic nanoparticle delivery system for sorafenib in hepatocellular carcinoma	Life sciences	206		21-Oct				AUG 1 2018				
99	Vijayakumar, S.; Mahadevan, S.; Arulmozhi, P	Green synthesis of zinc oxide nanoparticles using Atalantia monophylla leaf extracts: Characterization and antimicrobial analysis	Materials science in semiconductor processing	82		39-45				AUG 1 2018				

100	Kumari, C. Rathika Thaya; Nageshwari, M.; Raman, R. Ganapathi	Crystal growth, spectroscopic, DFT computational and third harmonic generation studies of nicotinic acid	Journal of molecular structure	1163		137-146				JUL 5 2018				
101	Eacherath, Suneesh; Murugesan, Sivapragash	Synthesis and characterization of magnesium-based hybrid composites - A review	International journal of materials research	109	7	661-672				JUL 2018				
102	Sivapragash, M.; Kumaradhas, P.; Vettivel, S. C	Optimization of PVD process parameter for coating AZ91D magnesium alloy by Taguchi grey approach	Journal of magnesium and alloys	6	2	171-179				Jun-18				
103	Raja, A.; Ashokkumar, S.; Marthandam, R. Pavithra	Eco-friendly preparation of zinc oxide nanoparticles using Tabernaemontana divaricata and its photocatalytic and antimicrobial activity	Journal of photochemistry and photobiology b-biology	181		53-58				APR 2018				
104	Bindhu, B.; Renisha, R.; Roberts, Libin	Boron Nitride reinforced polylactic acid composites film for packaging: Preparation and properties	Polymer testing	66		172-177				APR 2018				
105	Balamurugan, S.; Fathima, T. K. Sana; Veluraja, K	Comment on "Microwave dielectric properties of AWO(4) (A = Ca, Ba, Sr) ceramics synthesized via high energy ball milling method" by Lin Cheng, Peng Liu, Shi Xian Qu, Huai-Wu Zhang, J. Alloys Compd. 581 (2013) 553-557	Journal of alloys and compounds	735		1227-1231				FEB 25 2018				
106	Brindha, Thomas; Shaji, Ramaswamy Swarnammal	A secure transaction of cloud data using conditional source trust attributes encryption mechanism	Soft computing	22	3	1013-1022				Feb-18				
107	Shamsudeen, Shtutavas; Dhas, John Edwin Raja	Optimization of Multiple Performance Characteristics of Friction Stir Welded Joint with Grey Relational Analysis	Materials research-ibero-american journal of materials	21	6					2018				
108	Suneesh, E.; Sivapragash, M.	Comprehensive studies on processing and characterization of hybrid magnesium composites	Materials and manufacturing processes	33	12	1324-1345				2018				
109	Ramachandran, S.; Bhanumathy, P.	DIGRAPH ISOMORPHISM USING SUBDIGRAPH EQUIVALENT VERTICES AND DEGREE PAIR ASSOCIATION	Ars combinatoria	137		373-394				JAN 2018				
110	John, J.; Samundesvari, K. Uma	Total and forcing total edge-to-vertex monophonic number of a graph	Journal of combinatorial optimization	35	1	134-147				Jan-18				

111	Sekhar, R.; Shaji, R. S.	An Investigation on the Use of MSER and SIFT for Image Forgery Detection	Journal of scientific & industrial research	76	12	751-755			DEC 2017					
112	Shanavas, S.; Dhas, J. Edwin Raja	Parametric optimization of friction stir welding parameters of marine grade aluminium alloy using response surface methodology	Transactions of nonferrous metals society of china	27	11	2334-2344			NOV 2017					
113	Kalimuthu, R.; Mehta, R. C.; Rathakrishnan, E	Investigation of aerodynamic coefficients at Mach 6 over conical, hemispherical and flat-face spiked body	Aeronautical journal	121	1245	1711-1732			NOV 2017					
114	Arun, E.; Reji, Alwin; Shameem, P. Mohammed;	A Novel Algorithm for Load Balancing in Mobile Cloud Networks: Multi-objective Optimization Approach	Wireless personal communications	97	2	3125-3140			NOV 2017					
115	Sasi, B. S. Arun; Jebin, R. P.; Suthan, T	Perspective on quantifying electron localization/delocalization, non-linear optical response and vibrational analysis of 4-(dimethylamino) benzaldehyde-2,4-dinitroaniline	Journal of molecular structure	1146		797-807			OCT 15 2017					
116	Gouri, M. S.; Balan, R. V. Siva	Enhancement of multimedia security using random permutation with wavelet function	Computers & electrical engineering	63		41-52			OCT 2017					
117	Ramachandran, S.	PROPERTIES OF NON-RECONSTRUCTIBLE GRAPHS AND DIGRAPHS	Utilitas mathematica	104		243-254			Sep-17					
118	Brightlin, B. C.; Balamurugan, S.	The effect of different alkali metal chloride fluxes on the phase formation and properties of Sr-based hexaferrite, SrFe ₁₂ O ₁₉ materials	Journal of materials science-materials in electronics	28	16	11907-11914			Aug-17					
119	Balamurugan, S.; Ragasree, R.; Fathima, T. K. Sana	Novel Single-Step Combustion Synthesis of Nanocrystalline MgFe ₂ O ₄ Materials Using Hexamethylenetetramine as a Fuel: Properties and Features	Journal of superconductivity and novel magnetism	30	8	2211-2218			Aug-17					
120	Peter, Smitha Elsa; Raglend, I. Jacob	Sequential wavelet-ANN with embedded ANN-PSO hybrid electricity price forecasting model for Indian energy exchange	Neural computing & applications	28	8	2277-2292			Aug-17					

121	Joseph, J.; Suman, A.; Nagashri, K	Synthesis, characterization and biological studies of copper(II) complexes with 2-aminobenzimidazole derivatives	Journal of molecular structure	1137		17-26			JUN 5 2017					
122	Nithila, Ezhil E.; Kumar, S. S.	Automatic detection of solitary pulmonary nodules using swarm intelligence optimized neural networks on CT images	Engineering science and technology-an international journal-jestech	20	3	119 2-120 2			Jun-17					
123	Devapal, Devi; Kumar, S. S.; Joji, Christy	A Novel Approach of Despeckling SAR Images Using Nonlocal Means Filtering	Journal of the indian society of remote sensing	45	3	443-450			Jun-17					
124	Brightlin, B. C.; Balamurugan, S.; Arun, T.	Microstructural and Magnetic Features of SrFe ₁₂ O ₁₉ Materials Synthesized from Different Fuels by Sol-Gel Auto-Combustion Method	Journal of superconductivity and novel magnetism	30	6	142 7-143 7			JUN 2017					
125	Mohamed, Mohamed Shameem Peer; Swarnammal, Shaji Ramaswamy	An efficient framework to handle integrated VM workloads in heterogeneous cloud infrastructure	Soft computing	21	12	336 7-337 6			JUN 2017					
126	Shiju, C.; Arish, D.; Kumaresan, S.	Synthesis, characterization, cytotoxicity, DNA cleavage, and antimicrobial activity of lanthanide(III) complexes of a Schiff base ligand derived from glycylglycine and 4-nitrobenzaldehyde	Arabian journal of chemistry	10	2	S25 84-S25 91			May -17					
127	Joseph, J.; Rani, G. Ayisha Bibin	Metal based SOD mimetic therapeutic agents: Synthesis, characterization and biochemical studies of metal complexes	Arabian journal of chemistry	10		S19 63-S19 72			May -17					
128	Choudhury, Sharmistha Dutta; Chethodil, Jiddhu M.; Gharat, Poojan Milan	pH-Elicited Luminescence Functionalities of Carbon Dots: Mechanistic Insights By: ; et al. Volume: 8 Issue: 7 Pages: Published:	Journal of physical chemistry letters	8	7	138 9-139 5			APR 6 2017					
129	Joseph, J.; Suman, A.; Balakrishnan, Nisha	Design, synthesis, characterization and biological studies of copper(II) complexes with 2-aminobenzimidazole derivatives as biomimetic agents	Applied organometallic chemistry	31	4				Apr-17					
130	Judith, J. E.; Jayakumari, J.	Distributed Document Clustering Analysis Based on a Hybrid Method	China communications	14	2	131-142			Feb-17					

131	Kumar, Shijin P. S.; Dharun, V. S	Combination of fuzzy c-means clustering and texture pattern matrix for brain MRI segmentation.	Biomedical research-india	28	5	2046-2049		Jul-05						
132	Ramachandran, S.; Bhanumathy, P.	SUBGRAPHS AND SIMILARITY OF VERTICES	Ars combinatoria	130		381-393		Jan-17						
133	Joseph, J.; Janaki, G. Boomadevi; Nagashri, K.	Antimicrobial, antioxidant and SOD activities of copper(II) complexes derived from 2-aminobenzothiazole derivatives	Journal of coordination chemistry	70	2	242-260		Jul-05						
134	Brightlin, B. C.; Balamurugan, S.	Magnetic, Micro-structural, and Optical Properties of Hexaferrite, BaFe ₁₂ O ₁₉ Materials Synthesized by Salt Flux-Assisted Method	Journal of superconductivity and novel magnetism	30	1	215-225		Jan-17						
135	Brightlin, B. C.; Balamurugan, S	The effect of post annealing treatment on the citrate sol-gel derived nanocrystalline BaFe ₁₂ O ₁₉ powder: structural, morphological, optical and magnetic properties	Applied nanoscience	6	8	1199-1210		NOV 2016						
136	Mol, M. Beena; Mohanalin, J.; Prabavathy, S	A novel wavelet seismic denoising method using type II fuzzy	Applied soft computing	48		507-521		NOV 2016						
137	Muneera, M. Sirajul; Joseph, J	Design, synthesis, structural elucidation, pharmacological evaluation of metal complexes with pyrazoline derivatives	Journal of photochemistry and photobiology b-biology	163		57-68		OCT 2016						
138	Nagashri, K.; Joseph, J.; Dhanaraj, C. Justin	Pharmacological and spectral studies of synthetic biomimetic copper complexes derived from 3-hydroxyflavone derivatives as anti-inflammatory agents	Arabian journal of chemistry	9		S548-S556		SEP 2016						
139	Pillai, M. Sankaranarayana; Latha, S. Pushpa	Designing of some novel metallo antibiotics tuning biochemical behaviour towards therapeutics: Synthesis, characterisation and pharmacological studies of metal complexes of cefixime	Journal of saudi chemical society	20		S60-S66		Sep-16						
140	Nithila, Ezhil E.; Kumar, S. S	Segmentation of lung nodule in CT data using active contour model and Fuzzy C-mean clustering	Alexandria engineering journal	55	3	2583-2588		Sep-16						
141	Prabu, M.; Jeniffa, R.; Gobalakrishnan, S	Dielectric Properties of Lanthanum Doped Pb(Zr _{0.52} Ti _{0.48})O ₃ Ferroelectric Nanoceramics	Nanoscience and nanotechnology letters	8	9	723-728		Sep-16						
142	Brindha, Thomas; Shaji, Ramaswamy	An Instance Communication Channel Key Organizer Model for Enhancing Security in Cloud Computing	International arab journal of information technology	13	5	509-516		Sep-16						

143	Joseph, J.; Janaki, G. Boomadevi	Copper complexes bearing 2-aminobenzothiazole derivatives as potential antioxidant: Synthesis, characterization	Journal of photochemistry and photobiology b-biology	162		86-92		Sep-16						
144	Dhanaraj, C. Justin; Hassan, Israr Ul; Johnson, Jijo	Synthesis, spectral characterization, DNA interaction, anticancer and molecular docking studies on some transition metal complexes with bidentate ligand	Journal of photochemistry and photobiology b-biology	162		115-124		SEP - 2016						
145	Joseph, J.; Nagashri, K.; Suman, A.	Synthesis, characterization and pharmacological studies of copper complexes of flavone derivatives as potential anti-tuberculosis agents	Journal of photochemistry and photobiology b-biology	162		125-145		SEP 2016						
146	Balamurugan, S.; Philip, A. J. Linda; Vidya, R. S.	A Versatile Combustion Synthesis and Properties of Nickel Oxide (NiO) Nanoparticles	Journal of superconductivity and novel magnetism	29	8	2207-2212		AUG 2016						
147	Jebin, R. P.; Suthan, T.; Rajesh, N. P	Studies on crystal growth and physical properties of 4-(dimethylamino)benzaldehyde-2,4-dinitroaniline single crystal	Optical materials	57		163-168		Jul-16						
148	Herbert, G. M. Joselin; Krishnan, A. Unni	Quantifying environmental performance of biomass energy	Renewable & sustainable energy reviews	59		292-308		JUN 2016						
149	Ravichandran, K.; Chidhambaram, N.; Gobalakrishnan, S.	Copper and Graphene activated ZnO nanopowders for enhanced photocatalytic and antibacterial activities	Journal of physics and chemistry of solids	93		82-90		Jun-16						
150	Sahayaraj, M. Edwin; Jappes, J. T. Winowlin; Siva, I.	Investigation on corrosion performance of multilayer Ni-P/TiO ₂ composite coating on steel	Science and engineering of composite materials	23	3	309-314		May -16						
151	Prabu, M.; Shameem Banu, I. B.; Gobalakrishnan, S.	Structural studies and electrical properties of PZT (52/48) electroceramics synthesized by sol-gel route	Journal of materials science-materials in electronics	27	5	5	5351-5356	May -16						
152	Dhas, J. Edwin Raja; Kumanan, Somasundaram	Evolutionary fuzzy SVR modeling of weld residual stress	Applied soft computing	42			423-430	May -16						
153	Thekkedath, Siji Cyriac; Raman, R. Ganapathi; Musthafa, M. M.	Study on the measurement of photo-neutron for 15 MV photon beam from medical linear accelerator under different irradiation geometries using passive detectors	Journal of cancer research and therapeutics	12	2	1060-1064		APR - JUN 2016						

154	Ravikumar, S.; Uma, G.; Gokulakrishnan, R.	Antibacterial Property of Halobacterial Carotenoids against Human Bacterial Pathogens	Journal of scientific & industrial research	75	4	253-257		Apr-16						
155	Rathika, A.; Prasad, L. Guru; Raman, R. Ganapathi	Physicochemical properties of dimethylammonium p-nitrophenolate-p-nitrophenol: A nonlinear optical crystal	Physica b-condensed matter	485		29-34		MAR 15 2016						
156	Ravichandran, K.; Uma, R.; Sakthivel, B	Influence of Co plus F doping on the physical and antibacterial properties of ZnO nanopowders prepared by a simple soft chemical method	Journal of materials science-materials in electronics	27	2	1609-1615		Feb-16						
157	Babu, K. Vinoth; Jappes, J. T. Winowlin; Rajan, T. P. D.	Dry sliding wear studies on SiC reinforced functionally graded aluminium matrix composites	Proceedings of the institution of mechanical engineers part I-journal of materials-design and applications	230	1	182-189		FEB 2016						
158	Kumar, T. Annil; Inayathullah, J.; Nagarajan, V. A.	Development of hybrid composite radar wave absorbing structure for stealth applications	Bulletin of materials science	39	1	279-284		FEB 2016						
159	Jebasingh, V. K.; Herbert, G. M. Joselin	A review of solar parabolic trough collector	Renewable & sustainable energy reviews	54		1085-1091		FEB 2016						
160	Sivapragash, M.; Kumaradhas, P.; Retnam, B. Stanly Jones	Taguchi based genetic approach for optimizing the PVD process parameter for coating Zn on AZ91D magnesium alloy	Materials & design	90		713-722		JAN 15 2016						
161	Viji, Angel; Jayaraj, Jayakumari	Modified Texture, Intensity and Orientation Constraint Based Region Growing Segmentation of 2D MR Brain Tumor Images	International arab journal of information technology	13	6	723-731		2016						
162	Viji, Angel; Jayaraj, Jayakumari	A Brain Abnormality Detection and Tissue Segmentation Technique by Using Dual Mode Classifier	International arab journal of information technology	13	6	740-747		2016						
163	Mary, Muthiah; Padma, Lekshmi; John, Maria	Modified Image Segmentation Method based on Region Growing and Region Merging	International arab journal of information technology	13	6	899-907		2016						
164	Jothikumar, R.; Balan, Sivar, V	C4.5 classification algorithm with back-track pruning for accurate prediction of heart disease	Biomedical research-india	27	SI	S107-S111		2016						
165	Ravichandran, K.; Nithiyadevi, K.; Gobalakrishnan, S.	Enhancement of photocatalytic efficiency of ZnO nanopowders through Ag plus graphene addition	Materials technology	31	14	865-871		2016						

166	Mariapushpam, Chenthil Jegan Thankaraj; Ravindran, Durairaj Anand, Manaharan Dev	MACHINING PARAMETERS INFLUENCING IN ELECTRO CHEMICAL MACHINING ON AA6061 MMC	Materiali in tehnologije	50	6	951- 960		201 6							
167	Ravichandran, K.; Chidhambaram, N.; Arun, T.; et	Realizing cost-effective ZnO:Sr nanoparticles@graphene nanospreads for improved photocatalytic and antibacterial activities	Rsc advances	6	72	675 75- 675 85		201 6							
168	Shanthi, S. Amala; Sulochana, C. Helen; Jerome, S. Albert	Image denoising using bilateral filter in subsampling pyramid and nonsubsampling directional filter bank domain	Journal of intelligent & fuzzy systems	31	1	237- 247		201 6							
169	Seenivasagam, V.; Chitra, R.	MYOCARDIAL INFARCTION DETECTION USING INTELLIGENT ALGORITHMS	Neural network world	26	1	91- 110		201 6							
170	Balamurugan, S.; Dheebikha, K.; Raja, T. S. Gokul	Nanocrystalline Gd ₂ Ti ₂ O ₇ Pyrochlore Material for NIR Reflective Pigment Application: Micro- Structural and Optical Studies	Journal of nanoscience and nanotechnology	16	1	677- 688		JAN 201 6							
171	Bindhu, B.; Sharu, B. K.; Gopika, M. S	Molybdenum disulfide nanoflakes through Li-AHA assisted exfoliation in an aqueous medium	Rsc advances	6	26	220 26- 220 33		201 6							
172	Balamurugan, S.; Brightlin, B. C.; Kiruba, V. Shirly Arputha	Synthesis of BaFe ₁₂ O ₁₉ Materials by Mechano- Thermal Route: Novel Inorganic Pigment with High Near-Infrared Reflectance	Journal of nanoscience and nanotechnology	15	12	949 4- 949 9	Dec- 15								
173	Jaya, T.; Dheeba, J.; Singh, N. Albert	Detection of Hard Exudates in Colour Fundus Images Using Fuzzy Support Vector Machine- Based Expert System	Journal of digital imaging	28	6	761- 768	Dec- 15								
174	Suja, K. R.; Raglend, Jacob	Cuckoo search (CS)-NFC- based UPQC for compensating voltage sag of nonlinear load	Journal of experimental & theoretical artificial intelligence	27	6	703- 720	NOV 2 201 5								
175	Isaac, Rimal; Praseetha, P. K.	Response Surface Optimization of MWCNT modified Carbon Paste Electrode for Zn(II) Determination	International journal of electrochemical science	10	9	730 3- 731 9	Sep- 15								
176	Shanthi, S. Arnala; Sulochana, C. Helen; Latha, T.	Image denoising in hybrid wavelet and quincunx diamond filter bank domain based on Gaussian scale mixture model	Computers & electrical engineering	46		384- 393	AUG 201 5								
177	Balamurugan, S.; Mini, K. S. Asha; Raja, T. S. Gokul	Mechano-Thermal Synthesis and Characterization of BaMnO ₃ Nano-Needles	Journal of nanoscience and nanotechnology	15	8	597 8- 598 6	AUG 201 5								

178	Balamurugan, S.; Melba, K.	Zn1-xCuxO (0.02 ≤ x ≤ 0.1) Nanomaterials Prepared by Ball Milling, Citrate Sol Gel, and Molten Salt Flux Methods	Journal of nanoscience and nanotechnology	15	6	463 2-464 0	Jun-15								
179	Arivazhagan, S.; Sugitha, N.; Vijay, A	A novel image denoising scheme based on fusing multiresolution and spatial filters	Signal image and video processing	9	4	885-892	MAY 2015								
180	Cyriac, T. Siji; Musthafa, M. M.; Raman, R. Ganapathi	Out-of-field photon dosimetry study between 3-D conformal and intensity modulated radiation therapy in the management of prostate cancer	International journal of radiation research	13	2	127-134	Apr-15								
181	Rathika, A.; Raman, R. Ganapathi	Investigations on growth and characterisation of 2-hydroxyanilinium 3,5-dinitrobenzoate single crystal	Materials research innovations	19	3	182-186	Apr-15								
182	Vigila, Soosai Antony Maria Celestin; Muneeswaran, Karuppiyah; Antony, William Thomas Berkin Albert	Biometric security system over finite field for mobile applications	Information security	9	2	119-126	Mar-15								
183	Balamurugan, S.; Philip, A. J. Linda; Kiruba, V. Sherly Arputha	Simple and Efficient Way of Synthesizing NiO Nanoparticles by Combustion Followed by Ball Milling Method	Nanoscience and nanotechnology letters	7	2	89-93	Feb-15								
184	Jebin, R. P.; Suthan, T.; Rajesh, N. P.	Growth and characterization of organic material 4-dimethylaminobenzaldehyde single crystal	Spectrochimica acta part a-molecular and biomolecular spectroscopy	135		959-964	JAN 25 2015								
185	Sucharitha, M.; Geetha, K. Parimala	Brain tissue segmentation using fuzzy clustering techniques	Technology and health care	23	5	571-580	2015								
186	Kumar, C. Agees; Nair, N. Kesavan	Multiobjective robust PID controller design for various industrial processes	AI communications	28	3	567-578	2015								
187	Kumar, R. S. Vinod; Arivazhagan, S.	Adaptive patch based texture synthesis using contourlet transform	Journal of intelligent & fuzzy systems	28	3	106 1-107 0	2015								
188	Ahilan, C.; Dhas, J. Edwin Raja; Somasundaram, Kumanan	Performance assessment of heat exchanger using intelligent decision making tools	Applied soft computing	26		474-482	Jan-15								

(c) UGC Care

1. R. Abilasha, Dr. M. Ilankumaran, 'Trends in Teaching Based on Emerging Technologies– A New Perspective', International Journal of Development Research with Global IF 0.471 (Calculated IF 1.120), Volume 4, Issue 12, December, 2014, PP 2832–2834, ISSN: 2230-9926 (Online)
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3. R. Abilasha, Dr. M. Ilankumaran, 'The Need of Professional Communication in English for Engineering Students', Research Scholar: An International Refereed e-Journal of Literary Explorations with IF 0.998 (Indexed & Open Access), Volume 3, Issue 1, February, 2015, PP 153 -159, ISSN: 2320-6101
4. Dr. M. Ilankumaran, 'K. Balachander – The Champion of Radical Feminism, A Critical Review of KB's Select Films', The International Research Journal of Social Sciences And Humanities with IF 0.989, Volume 3, Issue 12, December, 2014, PP 39 -44, ISSN: 2320-4702
5. P. Deepa, Dr. M. Ilankumaran, 'Teaching Poetry – An Innovative Method of Developing Speaking Skills in English, International Journal of Multidisciplinary Researches – A Peer Reviewed Refereed Journal with IF 3.487, Volume: 3 Special Issue: 6, Feb. 2017, 5-7, ISSN: 2349-8634
6. P. Deepa Dr. M. Ilankumaran 'Enhancing Speaking skills through Learning Poetry – An Analytic Perception', International Journal of Multidisciplinary Researches – A Peer Reviewed Refereed Journal with IF 3.487, Volume: 3 Special Issue: 1, July 2017, 51-54, ISSN: 2349-8684
7. Dr. R. Abilasha Dr. M. Ilankumaran 'Teaching of English for Specific and Various Purposes – A Pedagogical Assessment', International Journal of Multidisciplinary Researches – A Peer Reviewed Refereed Journal with IF 3.487, Volume: 4 Special Issue: 7, Oct 2017, 44-48, ISSN: 2349-8684
8. P. Deepa Dr. M. Ilankumaran 'Teaching English as a Second Language for Communication by Using a Selected Poem', International Journal of Multidisciplinary Researches – A Peer Reviewed Refereed Journal with IF 3.487, Volume: 4 Special Issue: 7, Oct 2017, 26-29, ISSN: 2349-8684
9. S. Sreena Dr. M. Ilankumaran 'Developmental Speaking as a Technique to Acquire Communication Skills – A Cognitive Perception on Children from their Birth to Age 5', International Journal of Multidisciplinary Researches – A Peer Reviewed Refereed Journal with IF 3.487, Volume: 4 Special Issue: 6, Oct 2017, 62-65, ISSN: 2349-8684
10. A. Delbio Dr. M. Ilankumaran 'The Role of Psychological Aspects in Second Language Acquisition', International Journal of Multidisciplinary Researches – A Peer Reviewed Refereed Journal with IF 3.487, Volume: 4 Special Issue: 6, Oct 2017, 66-69, ISSN: 2349-8684
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12. Angel J C Bemisha Dr. M. Ilankumaran 'Teaching English as a Language for Communication through Different Genres of Literature', International Journal of Multidisciplinary Researches – A Peer Reviewed Refereed Journal with IF 3.487, Volume: 4 Special Issue: 6, Oct 2017, 73-76, ISSN: 2349-8684
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 18. V. Micah, Dr. M. Ilankumaran, 'Configuring Theories and Techniques to Minimize Mother Tongue Influence (MTI) in Second Language Classrooms' International Journal of English Language and Literature in Humanities (IJELLH) with IF 5.7, vol.6 no.4, 6th April 2018, pp.17-29, ISSN-2321-7065 (Online)
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 36. Vinothees Anthony Pillai, Dr. M. Ilankumaran, 'Attaining Accuracy Over Fluency through Activities' International Journal of English Language and Literature in Humanities (IJELLH) vol.7 no.3, March 2019, pp.349-359, ISSN-2321-7065 (Online)
 37. R. Daffiny Rishma, Dr. M. Ilankumaran, 'Socio-Cultural Effects on Second Language Acquisition: A Study' International Journal of English Language, Literature in Humanities (IJELLH) vol.7 no.3, March 2019, pp.10-23, ISSN-2321-7065 (Online)
 38. A. S. Libisha, Dr. M. Ilankumaran, 'Role of 3 Is in Second Language Acquisition An Analytical Study' International Journal of English Language, Literature in Humanities (IJELLH) vol.7 no.3, March 2019, pp.61-73, ISSN-2321-7065 (Online)
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(d) Book/Book Chapters

1. A. Delbio, Dr. M. Ilankumaran 'A Neurolinguistic Perspective of L2 Acquisition: An Overview' Arts & Social Research, Book Publisher International, UK, Vol. 1 Chapter – 6, April, 2020, PP: 74-83, ISBN: 978-93-89816-78-5
2. A. Delbio, Dr. R. Abilasha, Dr. M. Ilankumaran 'Enriching Second Language Skills through Cognitive Aspects' Arts & Social Research, Book Publisher International, UK, Vol. 1 Chapter – 7, April, 2020, PP: 84-95, ISBN: 978-93-8981678-5
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 5. S. Sreena, Dr. M. Ilankumaran 'Teaching and Learning Strategies to Enrich the Oral Communication Skills in L2: New Perspective' Arts & Social Research, Book Publisher International, UK, Vol. 1 Chapter – 11, April, 2020, PP: 127-137, ISBN: 978-93-89816-78-5
 6. S. Sreena, Dr. M. Ilankumaran 'Principles of Designing Speaking Strategies in a Second Language Classroom' Arts & Social Research, Book Publisher International, UK, Vol. 1 Chapter – 9, April, 2020, PP: 106-116, ISBN: 978-93-89816-78-5
 7. V. J. Vinita, Dr. M. Ilankumaran 'Integrating Content-based Instruction in Language Teaching to Secondary Level Students' Arts & Social Research, Book Publisher International, UK, Vol. 1 Chapter – 8, April, 2020, PP: 96-105, ISBN: 978-93-89816-78-5
 8. V.J. Vinita, Dr. M. Ilankumaran 'Realizing Student Centred Pedagogic Learning through Content-Based Instruction' Social Media in Teaching and Learning, ESN PUBLICATIONS, CHENNAI, I Ed. Chapter – 2, June, 2020, PP: 1019, ISBN: 978-93-90188-02-4
 9. A. Delbio, Dr. M. Ilankumaran 'Strategies of Modern Teaching Methods in ESL Classroom' Social Media in Teaching and Learning, ESN PUBLICATIONS, CHENNAI, I Ed. Chapter – 4, June, 2020, PP: 29-37, ISBN: 978-93-90188-02-4
 10. R. Catherine Shaniha, Dr. M. Ilankumaran 'Mirroring Teachers' Professional Development through Curriculum Transaction' Social Media in Teaching and Learning, ESN PUBLICATIONS, CHENNAI, I Ed. Chapter – 5, June, 2020, PP: 3846, ISBN: 978-93-90188-02-4
 11. G. Alamelu, Dr. M. Ilankumaran 'Building Employability Skills of Engineering Graduates through English in India' Social Media in Teaching and Learning, ESN PUBLICATIONS, CHENNAI, I Ed. Chapter – 6, June, 2020, PP: 47-55, ISBN: 978-93-90188-02-4
 12. S. Sreena, Dr. M. Ilankumaran 'Methods, Ways and Challenges of Acquiring Speaking Skills in Second Language' Social Media in Teaching and Learning, ESN PUBLICATIONS, CHENNAI, I Ed. Chapter – 7, June, 2020, PP: 56-64, ISBN: 978-93-90188-02-4
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18. Consultancy:

Name of the Consultant	Name of Consultancy Project	Consulting/Sponsoring Agency with Contact Details	Year	Revenue Generated (INR in Lakhs)
Nano	UV-Visible,	1) Dr.M.Murugan, NICHE,	July	Rs. 6,600/-

Technology	Electro Chemical Work Station, XRD	2) Mr.Venses Infant Jesus College of Engineering, 3) Mr.Beniyel Infant Jesus College of Engineering 4) Dr.Judson NICHE, 5) Mr.Beniyal Infant Jesus College of Engineering	2020	
Nano Technology	TGDTA, TGDTA& FTIR	1) Dr.Rajesh Kannan Thoothukudi, 2) Dr.Darwins, NICHE	August 2020	Rs. 2,400/-
Nano Technology	FTIR & UV, Raman,UV,XRD	1) Ms.D.Hemalatha, Scott Christian College 2) Ms.Devinamerin Udaya College of Engg 1) Mr.A.Jerold Antony St.Xaviers College 1) Mr.T.Allwin Neyyoor 1) Mr.G.Venses Infant Jesus College of Engineering 2) Ms.Devinamerin Udaya College of Engineering	September 2020	Rs.12,900/-
Nano Technology	TG/DTA & Raman TG/DTA XRD	1) Ms.A.AngelinJoice, Scott Christian College 2) Mr.A.Muller Scott Christian College 1) Mr.Kumar NICHE 1) Mr.A.S.ShalfiaJudit, Holy Cross College 2) Mr.K.Eqbert NICHE 3) Ms.R.Riyani, Holy Cross College 4) The Registrar Gandhigram Rural Institute	October 2020	Rs.14,000/-
Nano Technology	TG/DTA , Raman, XRD	1) Ms.T.Shining Vinil Priya, NICAS 2) Ms.T.R.Anitha S.T.Hindu College 3) Ms.P.P.Abirami Priya, Womens Christian College 5) Ms.C.S.Juliet Brintha, NMCC 6) Ms.M.Subitha NICHE 7) Ms.P.P.AbiramiPriya,	November 2020	Rs. 17,900/-

		Womens Christian College 8) Ms. S. Anitha Janet Mary, NICHE 9) Ms.J.Beena, NMCC 10) Ms.J.JoseHepzinAlis, NICHE 1) Mr.Jude Fernandez, NICHE 1) Ms.T.Shining Vinil Priya, NICAS 2) Mr.K.Eqbert, NICHE 3) Ms.M.Subitha, NICHE 4) Mr.U.RajeshKannan, Kamaraj College		
Nano Technology	XRD TG/DTA TG/DTA& Raman	1) Ms.P.Ashya Augustini, Trivandrum 2) Mr.K.Eqbert, NICHE 3) Ms.Aswathy Chandra, NICHE 4) Mr.R.Dharmaraj, NICHE 5) Mr.T.Hudson Janathan, SMIDS 1) Mr.M.A.Unnikrishnan, NICHE 2) Mr.T.Hudson Janathan, SMIDS	December 2020	Rs.14,100/-
Nano Technology	TG/DTA Raman XRD	1) Mr.VishnuSurendran, NICHE 2) Mr.Jude Fernandez, NICHE 1) Mr.Jude Fernandez, NICHE 1) Mr.VishnuSurendran, NICHE 2) Ms.JoeSherin, St.Judes College 3) Ms.Annie Evangelin, NMCC 4) Mr.JohnIrudaya Raj, Marthandam College 5) Mr.K.Eqbert, NICHE	January 2021	Rs.7,250/-
Nano Technology	UV TG/DTA TG/DTA & UV XRD	1)Mr.VishnuSurendran, NICHE 2) Mr.T.MohamedIrshath, NICAS 3) Ms.Aswathy Chandra, NICHE 1) Ms.P.R.Nithya, S.T,Hindu College 2) Ms.R.Jeba, W.C. College 3) Ms.N.K.Cinsy, NMCC 1) Mr.K.Eqbert, NICHE	February 2021	Rs. 22,100/-

		2) Mr.N.Joslin Ananth, Malankarai Catholic College 3) Ms.N.K.Cinsy, NMCC 4) Ms.J.F.JoeSherin, St.Jude College 5) Matrics Technological Solution		
Nano Technology	Raman TG/DTA UV BallMill XRD	1) Mr.A.Jerold Antony, St.Xavier`s College 2) Ms.C.S.JulietBrintha, NMCC 3) Mr.T.David Willington, NMCC 4) Mr.A.Jerold Antony, St.Xavier`s College 5) Ms.S.Shabna, Mariya College of Arts and Science 6) Mr.A.Jerold Antony, St.Xavier`s College 7) Mr.A.Nirmal Paul Raj, St.John`s College 8) Mr.S.Albert Jerome, NICHE 9) Ms.S.Shabna, MalankaraCatholic College 1) Ms.N.Ramjeyanthi, PSN College of Engineering 2) Mr.T.David Willington, NMCC 3) Ms.C.S.Juliet Brintha, NMCC 4) Mr.R.Subash Chandra Bose, MDT Hindu College 5) Ms.J.Jose Hepzin Alis, NICAS 6) Ms.T.Shining Vinil Priya, NICAS 7) Ms.M.Summi, NMCC 1) Ms.Kavya K Nair, CMST 2) Mr.S.M.Sasikanth, NICHE 3) Mr.M.Murugan, NICHE 1) Mr.S.Albert Jerome, NICHE 1) Mr.Murali, NICHE 2) Ms.S.Shabna, Malankara Catholic College 3) Mr.Vishnu Surendran, NICHE 4) Ms.V.Joslm Ananth, NMCC 5) Ms.R.Aparna, Nanjil Catholic College	March 2021	Rs. 47,350/-

		6) Ms.R.S.Amritha, Nanjil Catholic College 7) Mr.K.Anto Savio Lewis, NICHE 8) Mr.S.Nijan, Nanjil Catholic College 9) Mr.R.Subash Chandra Bose, MDT Hindu College 10) Ms.R.Shivani Balu, NICHE 11) Ms.S.Shabna, Malankara Catholic College 12) Mr.M.Murugan, NICHE 13) Ms.J.Jose Hepzin Alis, NICAS 14) Ms.T.Shining Vinil Priya, NICAS 15) Ms.M.Summi, NMCC 16) Mr.S.Albert Jerome, NICHE 17) Mr.U.Rajesh, Kamaraj College 18) Mr.S.Albert Jerome, NICHE 19) Ms.S.Shabna, Malankara Catholic College 20) Ms.S.Subisha, NICHE 21) Matrics Technological Solution		
Nano Technology	UV UV & Raman TG/DTA & Raman TG/DTA Raman XRD	1) Ms.T.Shining Vinil Priya, NICAS 2) Mr.Vishnu Surendran, NICHE 3) Ms.S.Shabna, Malankara Catholic College 4) Ms.S.Asha, St.Jude College 5) Ms.Abino Vincy, NMCC 6) Ms.Alin Jenifa, NICHE 7) Ms.Monisha, WCC 1) Mr.C.Jones, NICHE 2) Ms.P.Subaja, NICHE 3) Ms.J.Agnes, St.Xavier's College 4) Ms.Abino Vincy, NMCC 1) Mr.C.Joel, St.John's College 2) Mr.A.Nirmal Paul Raj, St.John's College 1) Ms.Santhiya, Holy Cross College 2) Mr.Vishnu Surendran, NICHE	April 2021	Rs. 25,175/-

		3) Ms.Aswathy Chandra, NICHE 4) Ms.T.ShiningVinilPriya, NICAS 5) Mr.C.Jones, NICHE 6) Ms.Vanitha, Sivaji College of Engineering 7) Mr.Arun Vijay, Inbiotics 8) Mr.VishnuSurendran, NICHE 9) Ms.P.Subaja, NICHE 10) Mr.Vishnu Surendran, NICHE 11) Mr.Anton Savio Lewice, NICHE 12) Ms.Sherlin Vinita, Malankara Catholic College 13) Ms.Sherly Flora, NICHE 14) Ms.AlinJenifa, NICHE 15) Mr.Prasanth, NICHE 16) Mr.Michael Ahitha Jose NICHE		
Nano Technology	Raman UV & TG/DTA XRD	1) Ms.C.L.Shiny, Malankara Catholic College 2) Mr.Arun R Nair, SKHMC 3) Mr.P.R.Anu Radha, SKHMC 4) Ms.K.Srinidhi, SKHMC 5) Ms.P.K.FathimaShakunaj, SKHMC 6) Ms.C.L.Shiny, Malankara Catholic College 1) Ms.C.Kumari Archana, NICHE 1) Ms.S.Sabeena, NICHE 2) Mr.C.Jones, NICHE 3) Ms.C.Kumari Archana, NICHE 4) Ms.M.Mary Anne, Stella Marys Engineering College	May 2021	Rs.10,200/-
Nano Technology	TG/DTA Raman UV XRD	1) Ms.P.Reena, NMCC 1) Ms.P.Reena, NMCC 1) Ms.P.Reena, NMCC 1) Ms.R.Shivani Babu, NICHE 2) Ms.D. Abila Darling, NMCC 3) The Registrar, Gandigram Rural Institute 4) Matrics Technological Solution	June 2021	Rs. 8,600/-

Dr. P. K. Praseetha	Synthesis and Characterization of Silver, Gold and ZnO Nanoparticles	Xcellogen Biotech India Pvt Ltd., 3 rd Floor Rash Towers, Court Road, Nagercoil, TamilNadu, India, Phone: +(91) 9488461637	2019-2020	0.4
Dr. R.S. Rimal Isaac	Testing and Analysis	St. Johns College Anchal, JNN institute of Technology Chennai, Holy Cross College Nagercoil, Anna University Chennai, ST Hindu College Nagercoil, Rajas Dental College Tirunelveli, JNN institute of Engineering Tirunelveli, NICAS, SMIDS Kulashekaram, Kamaraj College Tuticorin, VV College of Engineering Tisayanvilai, Sathiyam College of Engineering Aralvoimozhy, SMIDS Kulashekaram CMST Nagercoil, SMIDS Kulashekaram, University Collehe of Engineering Nagercoil, VV College of Engineering Tisayanvilai, Govt. College for Women Trivandrum, Nanjil Catholic College, WCC Nagercoil, CMST Nagercoil, ST Hindu College Nagercoil, VV College of Engineering Tisayanvilai, Goverenment College for Women Trivandrum, Lekshmi puram Arts and Science, University College of Engineering Nagercoil, NMCC Marthandom, Sree Butha College of Engineering, St. Johns College Tirunelveli, Bishop Moore College Kerala, Infant Jesus College of Engineering	2019-2020	1.72
Dr. S. Gobalakrishnan	Testing and Analysis	Industry & Academia (NICAS, SadakathullaAppa College, St. Johns College, VOC College)	2016-2017	0.6
Puthalam Salt Factory Pvt Ltd	salt analysis	Puthalam Salt Factory Pvt Ltd, Nagercoil, Kanyakumari Dist, Tamil Nadu, India	2019	0.23 Lakhs
Bajaj Service centre	Resource utilization and	Bajaj Service Centre, JJ Plaza Kurumpanai Road,	Nov-19	0.01

	training	Karungal, K.K.Dist		
Jeni Engineering Equipments	Servicing and repairing pneumatic comparator	Jeni Engineering Equipments, Padayachi street, Marthal, Bhuthapandy P.O, K.K.Dist.	Dec-19	0.012
Civil Department	Beam Testing	N. NithyaGovt. Engineering, College,M.E Student	2019	500
Civil Department	Training Programme	Providing Training to the NIMS Staff of the Maintenance Department for the Past 3 Months NIMS Hospital, Neyyattinkara.	2019	19750
Civil Department	Material Test	P.A. Adlin Pratheebea, Bethalaheem Engineering College, M.E student	2020	3000
Dr. Julia Punitha Malar Dhas, Ms. Sinciya P.O. S. Vinila Jinny	Training on Computer Education	Noorul Islam Civil Service Academy (NICS)	2019-2020	21,400
The Head, Department of Biomedical Engineering, NICHE, Kumaracoil	Training to NIMS Biomedical Staff	Noorul Islam Institute of Medical Science & Research Foundation	2019	0.195
The Head, Department of Biomedical Engineering, NICHE, Kumaracoil	Consultancy Service	Vijaya Hospital ,Mainroad,Paraicode,Thuckalay	2019	0.6
The Head, Department of Biomedical Engineering, NICHE, Kumaracoil	Consultancy Service	Rathna Memorial Hospital Pvt. Ltd.	2019	1.2
BIOMEITEZ	Invoice Detail	Biomeitez Research and Development Pvt. Ltd, Nagercoil	2019	0.156

19. Others:

(a) Research Incentive for SCOPUS/SCI Publications:

Sl. No.	Name of the Faculty	Incentive Amount in Rs.
1.	Dr. Jeyakumar M. K.	1,800/-
2.	Dr. Santhi N.	3,300/-
3.	Dr. Ramasamy N.	900/-
4.	Dr. Arul Linsely J.	600/-
5.	Dr. J. Edwin Raja Dhas	2,500/-
6.	Dr. Rimil Isaac R.	300/-
7.	Dr. K. Uma Samundesvari	600/-
8.	Dr. Brindha T.	600/-

9.	Dr. S. Vinila Jinny	1,500/-
10.	Dr. J. E. Judith	1,200/-
11.	Dr. K. S. Vijula Grace	1,200/-
12.	Dr. R. Kalaiselvi	300/-
13.	Dr. R. S. Ganesh	600/-
14.	Dr. M. Dev Anand	200/-
15.	Dr. S. S. Kumar	800/-
16.	Dr. Maria Celestin Vigila S.	1,500/-
17.	Dr. B. P. Sarasija	600/-
18.	Dr. T. M. Selvarajan	1,100/-
19.	Dr. Palani Kumar S.	1,600/-
20.	Dr. R. Suji Pramila	1,500/-
21.	Dr. Ganapathi Raman R.	600/-
22.	Dr. T. K. Sreeja	500/-
23.	Dr. R. S. Vinod Kumar	1,800/-
24.	Dr. D. Mary Synthia Regis Prabha	1,200/-
25.	Dr. B. Bindhu	3,600/-
26.	Dr. S. AmalaShanthi	600/-
27.	Dr. A. Anitha	900/-
28.	Dr. Praseetha P. K.	500/-
29.	Dr. R. V. Siva Balan	600/-
30.	Dr. Jinu R.	300/-
31.	Dr. Radhika R.	300/-
32.	Dr. Rajesh R. (Mechanical)	300/-
33.	Dr. Mary Synthuja Jain Preetha M.	900/-
34.	Dr. R. MathuSoothana S. Kumar	900/-
35.	Dr. M. Victor Jose	1,500/-
36.	Dr. K. Muthuvel	1,400/-
37.	Dr. Julia Punitha Malar Dhas	600/-
38.	Dr. Menaka D.	300/-
39.	Dr. Sugitha N.	300/-
40.	Dr. P. Sujatha Theresa	500/-
41.	Dr. Albert Jerome S.	300/-
42.	Dr. Jerine S.	600/-
43.	Dr. C. P. Maheswaran	600/-
44.	Dr. Joseph J.	400/-
45.	Dr. Rimal Isaac R. S.	300/-
46.	Dr. J. R. Jeba	1,200/-
47.	Dr. H. Vennila	600/-
48.	Dr. Bavanish B.	300/-
49.	Dr. V. N. Meena Devi	300/-
50.	Dr. Sudha M.	600/-
51.	Dr. Velmurugan V. P.	900/-
52.	Dr. R. Manju	500/-
53.	Dr. M. P. Flower Queen	700/-
54.	Dr. J. Amar Pratap Singh	1,500/-
55.	Dr. R. Chitra	300/-
56.	Dr. Venifa Mini G.	1,400/-
57.	Dr. Gopalakrishnan S.	200/-
58.	Dr. Balamurugan S.	1,600/-
59.	Dr. Judson Durai T.	500/-
60.	Dr. Jenkins Hexley Dhas S.	600/-

61.	Dr. Chandrakala K.	700/-
62.	Dr. Darwins A. K.	500/-
63.	Dr. M. Murugan	300/-
64.	Ms. Shahi D.	900/-
65.	Edinisha Gladis E. H.	1,500/-

(b) Research Collaborations/ MoU/ Recognitions/Awards:

i. At present we have collaboration agreements with the following Industries.

1. Nihongo Sochi, Pune
2. IBM India (P) Ltd, Bangalore
3. ICT Academy of Tamilnadu
4. AISER Workforce Development Company, Chennai
5. Technical Development & Manufacturing Company, Trivandrum
6. Bulhead Aerodesign, Cochin
7. i-Nurture Education Solution Pvt. Ltd., Bangalore
8. APM Wind Energy Plantation Pvt. Ltd., Muppandal
9. Yokogawa India Limited, Bangalore
10. CANEUS, Italy
11. Data Patterns, Chennai
12. Dhruva Space, Bangalore
13. ISRO, Trivananthapuram
14. Renewal of Infosys Technologies Limited, Bangalore
15. ADROIT CAD Solution Pvt. Ltd. Chennai
16. Future Eco- Friendly Technologies (India) Pvt. Ltd.
17. Springer (India) Pvt. Ltd.
18. Vi Microsystems Pvt. Ltd., Chennai
19. Space Application Centre, India Space Research Organization, Ahmedabad
20. Infosys Technologies Ltd., Bangalore
21. Aiser Employability Solutions, Chennai
22. Bulkhead Aero design, Idukki
23. Wide Angel, Sivakasi
24. Alpha Mary Educational Trust , Thiruvananthapuram
25. Lines and Circles Educational Institutions (P) Ltd., Thiruvananthapuram
26. KLMEE, Kota
27. Department of Biomedical Engineering, NIMS medicity, Aralumoodu, Neyyattinkara, Thiruvananthapuram
28. Department of Radiology NIMS Medicity, Aralumoodu, Neyyattinkara, Thiruvananthapuram
29. Alagappa University, Karaikudi
30. The National University, Khartoum, Sudan
31. AMET Deemed to be University, Chennai
32. Rajas Dental College & Hospital
33. M/S Casablanka Shipping Pvt. Ltd., Mumbai 400 053
34. Indian Technology Congress Association (ITCA), Bengaluru

ii. At present we have MoUs Signed with the following Intuitions.

1. Liverpool John Moores University, United Kingdom
2. Providence University, Taiwan
3. University Teknologi MARA, Malaysia
4. University of Medicine and Dentistry of New Jersey, United states of America
5. Vistula University, Warsaw, Poland
6. Doctors Academy, United Kingdom
7. Indo-European Centre, Vistula University

8. Department of Physical & Life Science, AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur District and Department of Nano Technology, NICHE
9. National Institute of Advanced Industrial Science and Technology, Japan
10. Indo- European Education Foundation (IEEF), Poland
11. Sunway University, Malaysia
12. DMI St. John the Baptist University, Malawi, Central Africa

(c) Recognitions:

Sl. No.	Name of the Body	Details	Date
1.	DSIR-SIRO	Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial research Organizations (SIROs) 1988	From Upto 01.04.2018 upto 31.03.2021

(d) Research Seed Money Grants 2020 – 201:

Sl.No.	Name of the Faculty	Designation	Department	Amount of Seed Money (in Rs)
1.	Dr.T.M.Sharmila	Assistant Professor	Chemistry	20,000/-
2.	Dr.S.Gobalakrishnan	Assistant Professor	Physics	20,000/-
3.	Dr. M.B.Jayalakshmi	Assistant Professor	IT	20,000/-
4.	Dr. Venkadesh P	Assistant Professor	CSE	20,000/-
5.	Dr. S.V. Diviya	Assistant Professor	ECE	20,000/-

(e) RESEARCH AND DEVELOPMENT ESTIMATED BUDGET 2020 – 2021

Research Projects & Stipend:

Particulars	During the Year 2020-2021(in Lakhs)
Research Projects (Seed Money)	Rs. 2,00,000/-
Full Time Scholar Stipend	Rs. 35,28,000/-
Research Grant	Rs. 1,00,000/-

Infrastructure & Development Utility:

Particulars	During the Year 2020-2021(in
Centre for Advanced Material in Engineering and	Rs. 1,00,000/-
Centre for Networking	Rs. 1,00,000/-
Centre for Power and Energy	Rs. 1,00,000/-
Centre for Communication Systems	Rs. 1,00,000/-
Centre for Advanced Computing	Rs. 1,00,000/-
Centre for Biological Sciences	Rs. 1,00,000/-
Centre for Nano Satellite and Technology	Rs. 1,00,000/-
Centre for Interdisciplinary Studies in Engineering	Rs. 1,00,000/-
Plagiarism Cross Checker Software	Rs. 1,00,000/-

Stationaries

Particulars	During the Year 2020-2021 (in Lakhs)
A4 Paper, CD, DVD, Cover, File, Cello Tape, Stapler Pin, Revenue Stamp, Printer Cartridge and Etc.	Rs. 0.50/-

DC Meeting & Other:

Particulars	During the Year 2020-2021 (in Lakhs)
DC Meetings (July & January)	Rs. 25,00,000/-
Research Forum	Rs. 0.24/-

Achievements & Awards:

Particulars	During the Year 2020-2021 (in Lakhs)
Incentives	R.s. 1.50/-

Books and Periodicals:

Particulars	During the Year 2020-2021 (in Lakhs)
e-Journals	E, Resource, IEEE, Science Direct, Emerald
	Rs. 30,00,000/-

Training Programmes/ Seminar/ Symposium / workshop Etc., Proposed

Particulars	During the Year 2020-2021 (in Lakhs)
Research Methodology Workshop (December Session)	Rs. 1,00,000/-
Research Methodology Workshop (July Session)	Rs. 1,00,000/-

Miscellaneous:

Particulars	During the Year 2020-2021 (in Lakhs)
Hospitality	Rs. 0.50/-
Refreshment	Rs. 0.50 /-

(g) Research Centres:

In order to promote inter disciplinary research; the NICHE has established the following Research Centres that receive financial support from the University and from external sources. The University has established EIGHT research centres in order to meet the challenges and to develop interdisciplinary research.

- ***Centre for Advanced Material Science & Technology***

Noorul Islam Centre for Higher Education (NICHE) has updated research facilities for the promotion Research& Development in the institute with the inclusion of more sophisticated research equipment, software's and other accessories. **NIUSAT** is a Nano Satellite designed and developed by Noorul Islam Centre for Higher Education under NICHE with a Miniature Wide Field Sensor (MWiFS) for agriculture and disaster management support applications. The 15 kg NIUSAT features a RGP camera with a ground resolution of 25 m and a frame size of 50 km × 50 km. The imagery from the NIUSAT is used for identifying potential agricultural diseases of the crops around KanyaKumari District and providing timely assistance to the Disaster Management Support (DMS) programme to address disasters due to flood, cyclone, drought, forest fire, landslide and earthquakes. The NIUSAT project is a NICHE program, involving students and staff of the university, making use of the state-of-the art proven technologies and modules. NIUSAT, developed by NICHE in Kanyakumari district, is riding piggyback with 29 other satellites of various countries in the 40th mission of PSLV, lifted off at 9.29 AM from Sriharikota on June 23, 2017. The total cost of the research facility is around Rs 15 crore. We have filed patent (Indian Patent at Chennai) related to the outcome of satellite technological processes. We have also signed a MoU between NICHE and TMISAT, Israel on 28th May 2019 to accelerate innovation and technology cooperation. Our Institute

has taken important measures to strengthen research and development in the satellite sectors, based on its expertise in the field of satellite technology.

- **Centre for Satellite Technology**

The Powder X-ray Diffractometer was added to the existing instruments at NICHE to strengthen interdisciplinary collaboration between various faculty members and research scholars, as well as to facilitate research and education in the interdisciplinary field of Centre for Advanced Materials Science and Technology. The Department of Nanotechnology was recognized as FIST sponsored Department by the Department of Science & Technology, Government of India, with a mandate to be an enabler of cutting-edge life science research and innovation and we have also offered testing and analytical services to the benefit of outside users. Our faculty members have published papers in the international reputed journals such as “International Journal of Hydrogen Energy (Impact Factor:5.862)” (highlighting the production of hydrogen energy from sea water using metal complexes as electrocatalyst). Our faculty members also performed well in the areas of biological Sciences using different biological assays (Paper published in reputed international Journals).

- **Centre for Networking**
- **Centre for Power & Energy**
- **Centre for Communication Systems**
- **Centre for Advanced Computing**
- **Centre for Biological Sciences**
- **Centre for Interdisciplinary Studies in Engineering, Technology and Management**

Activities of each Centre are available in the separate NICHE R&D files.

(h) Innovation:

Following the guidelines of MHRD, Government of India, an Innovation Cell was formed in November 2018. This Cell has given a formal shape to the hitherto loosely knit efforts to inculcate the spirit of innovation in the minds of students and members of the faculty.

In the Smart India Hackathon (SIH)-19 organized by the MHRD, AICTE and Persistent Systems in January 2019, 15 teams of NICHE participated and submitted one hundred and five innovative ideas. Two of these ideas have been shortlisted for second round evaluation. Appreciating the participation of 15 teams of NICHE in SIH-19, MIC (Ministry of Human Resource Development Innovation Cell) has granted *Two Star Status* to IIC (Institution Innovation Cell) of NICHE. In the second quarter of 19-20 the cell earned a score of 45/50.

A student member of IIC of NICHE, J. Nancy Mary, Pre-final year M.Sc. Software Engineering, has submitted a project proposal entitled “HealMI Applications” to InnoHEALTH Conference held at New Delhi during October 4-5, 2019, organized by InnovatioCuris in collaboration with IIM Lucknow and Canada as the partner country.

This project proposal has been accepted for presentation in the ‘Company Pitching Session’ that will be attended by influencers, investors, startups, young Innovators and Media in Healthcare Innovation. The organizers have invited the student-author of the proposal J. Nancy Mary, her Guide Prof. J. P. Jayan, Head of Department of Software Engineering and the Coordinator of the Incubation Centre of NICHE Mr. Allan Bridjith to make the presentation. The registration fee of Rs. 29,500 and the travel expenses will be met by NICHE.

Faculty and students have participated in 20 programmes. Two prototypes have been submitted to DST for COVID 19 challenges and one for Samadhan.

Constitution of NICHE Innovation Cell

(IC201810911)

(Approved by MHRD and AICTE)

President	:	Dr. A. Shajin Nargunam, Director Academic Affairs, NICHE
Vice President	:	Dr. Janardhanan Pillai. M Professor and Head, Faculty of Management Studies, NICHE
Convenor	:	Dr. R. Ganapathi Raman, Associate Professor, Department of Physics, NICHE
IPR Activity coordinator	:	1. Mr.I. J. Rohith, Assistant Professor, Department of Aeronautical, NICHE 2. Dr. Albert Jerome S, Associate Professor, Department of BMST, NICHE 3. Dr. Rimal Isaac. R. S, Assistant Professor, Department of Nanotechnology
Innovation Activity Coordinator	:	1. Dr. S. Gobalakrishnan Assistant Professor, Department of Nanotech, NICHE 2. Mr.Mathankumar, Assistant Professor, Department of Civil Engineering, NICHE
Internship Activity Coordinator	:	1. Dr. K. Siva Sankar, Associate Professor, Department of IT, NICHE 2. Dr. B. Stanly Jones Retnam, Associate Professor, Department of Automobile Engg., NICHE 3. Dr. Sindia. T.V, Assistant Professor, Department of IT, NICHE
Social Media Coordinator	:	1. Mr. K. P. Rajesh, Assistant Professor, Department of ECE, NICHE 2. Mr. K. Anto Savio Lewis, Assistant Professor, Department of Aeronautical Engineering
Start-up Activity Coordinator	:	1. Mr.Unni Krishnan. A Assistant Professor, Department of Mechanical Engg., NICHE 3. Dr. R. Rajesh, Assistant Professor, Department of FTSE, NICHE
ARIIA Coordinator	:	1. Dr. R. Chitra, Associate Professor, Department of CSE, NICHE 2. Ms.Shafreena Assistant Professor, Department of English
NIRF Coordinator:	:	1. Dr. P.V. Samuel Blessed Nayagam, Deputy Director, Academic Affairs, NICHE
Entrepreneurship Coordinator	:	1. Dr. N C J Packia Lekshmi, Assistant Professor, Department of Allied Health Science, NICHE 2. Mr. Danny Solomon, Assistant Professor, Faculty of Management Studies, NICHE
Representative from Nearby Incubation Centre	:	Mr.Allan Bridjith, Managing Director, Antobel Services, Incubation Cell, Noorul Islam Centre for Higher Education, Kumaracoil
Bank Investor	:	Mr Ramesh Babu, Senior Manager, Canara Bank, Padmanabapuram Branch
Expert from	:	Mr. B. Vidyasekar, Consultant, Consordium Construction

Nearby Industry		Ltd, Nagercoil Mr.MuraliDharan, Managing Director, Connect Training Solutions Pvt Ltd, Tirunelveli
Start-up Alumni Entrepreneur	:	Mr. K. S. Shibi, Managing Director, PPK Group, Marthandam
Patent Expert	:	Dr. J. Joseph, Professor of Chemistry, Noorul Islam Centre for Higher Education
Members	:	Faculty: 20 Students: 46

Programmes Attended/Participated

Sl. No.	Event Name	Venue & Date	Attendees/ Participants
1.	National Innovation Contest Final Pitch organized by Ministry of Education's Innovation Cell (MIC), Govt of India.	5.10.2021	Karthikeyan, S5 B.E AME
2.	Final Pitch for Tamil Nadu Student Innovators-2020 – organized by EDII (Entrepreneurship Development Institute of India, Govt of Tamilnadu)& Anna University Regional Campus- Tirunelveli-IEDP Hub. Venue: Online	10.8.2021	Karthikeyan, S5 B.E AME
3.	Boot Camp for Tamil Nadu Student Innovators-2020 – organized by EDII (Entrepreneurship Development Institute of India)-TN & Anna University Regional Campus-Tirunelveli-IEDP Hub. Venue: Kalasalingam Academy of Research and Education, Srivilliputhur	25 th Feb 2021- 27 th Feb 2021	Karthikeyan, S4 B.E AME
4.	Ideation Camp for Tamil Nadu Student Innovators-2020 – organized by EDII (Entrepreneurship Development Institute of India)-TN & Anna University Regional Campus-Tirunelveli-IEDP Hub.	15 th Dec 2020	Karthikeyan, S4 B.E AME Kalki Raja P B.Sc Human Genetics Leo Binoy, S6 B.E Mechanical Engineering
5.	Idea Submitted to Tamil Nadu Student Innovators-2020 – organized by EDII (Entrepreneurship Development Institute of India)-TN & Anna University Regional Campus-Tirunelveli-	15 th Oct 2020	Idea: 5 Karthikeyan, S3 B.E AME Kalki Raja P B.Sc Human Genetics Leo Binoy, S6 B.E Mechanical Engineering Anjalay Thomas S7 B.E

	IEDP Hub.		Aerospace
6.	IIC National Innovation Contest (shortlisted for second level)-Idea/ PoC Submission Contest organized by MHRD's Innovation Cell	8 th Feb 2021	KARTHIKEYAN C – 1 PoC
7.	IIC National Innovation Contest-Idea/ PoC Submission Contest organized by MHRD's Innovation Cell	June/July 2020	Prototype – 6 PoC- 8 Idea - 13 Vineeth Jacob Antony & Team – 5 Ideas SajnaStanly& Team – 4 Ideas Reshma.R.D – 1 Idea Anjaly Thomas -3 Ideas Nancy Mary J – 1 PoC KARTHIKEYAN C – 1 PoC
8.	Mega online challenge "SAMADHAN" (www.mic.gov.in/samadhan) organized by(MHRD Innovation Cell) MIC and AICTE in collaboration with Forge and InnovatioCuris	14 th April 2020.	Ancy Jose S6, Human Genetics and Molecular Biology, Department of Allied Health Science 1 Idea Submitted
9.	Mega online challenge "SAMADHAN" (www.mic.gov.in/samadhan) organized by(MHRD Innovation Cell) MIC and AICTE in collaboration with Forge and InnovatioCuris	14 th April 2020.	Ashith Spurgeon. B Rajadurai. D S4 EEE 1 Idea Submitted
10.	Mega online challenge "SAMADHAN" (www.mic.gov.in/samadhan) organized by(MHRD Innovation Cell) MIC and AICTE in collaboration with Forge and InnovatioCuris	14 th April 2020.	Shiju K J, S4, M.Sc Mathematics 1 Idea Submitted
11.	Mega online challenge "SAMADHAN" (www.mic.gov.in/samadhan) organized by(MHRD Innovation Cell) MIC and AICTE in collaboration with Forge and InnovatioCuris	14 th April 2020.	Nancy Mary, S8, Department of Software Engineering 1 Idea Submitted
12.	Mega online challenge "SAMADHAN" (www.mic.gov.in/samadhan) organized by(MHRD Innovation Cell) MIC and AICTE in collaboration with	14 th April 2020.	Karthikeyan C S2 B.E AME 1 Idea Submitted

	Forge and InnovatioCuris		
13.	Mega online challenge "SAMADHAN" (www.mic.gov.in/samadhan) organized by(MHRD Innovation Cell) MIC and AICTE in collaboration with Forge and InnovatioCuris	14 th April 2020.	RD Reshma S6, Human Genetics and Molecular Biology, Department of Allied Health Science 1 Idea Submitted
14.	DST Science and Technology Submission of Prototype for COVID-19 Title: "Telemedicine Plantform-HealMi"	12.4.2020 (Submitted Proposal)	Nancy Mary J, Jebisha J A, Alston Joe. I, S8, Department of Software Engineering, Dr. J.P.Jayan Associate Professor and Head, Department of Software Engineering Dr. R. Ganapathi Raman, Convener, IIC Mr. A. Allan Bridjith, Incubation Cell - NICHE & Co-founder – Director - ANTOBEL Services Pvt. Ltd.
15.	DST Science and Technology Submission of Prototype for COVID-19 Title: "Autonomous Sanitization Using Drone For Human Safety"	2.4.2020 (Submitted Proposal)	Vineeth Jacob Antony S8 B.E Aerospace Pooja Raj M S8 B.E Aerospace
16.	"COVID-19 Solution Challenge" competition organized by Ministry of Health and Family Welfare, Govt. of India through http://innovate.mygov.in platform. Title: Solution for the Vaccine for Covid -19	21.3.2020 (Submitted Proposal)	Vineeth Jacob Antony S8 B.E Aerospace
17.	"COVID-19 Solution Challenge" competition organized by Ministry of Health and Family Welfare, Govt. of India through http://innovate.mygov.in platform. Title: Autonomous Sanitizing Using Drone for Human Safety	27.3.2020 (Submitted Proposal)	Pooja Raj M S8 B.E Aerospace

18.	“COVID-19 Solution Challenge” competition organized by Ministry of Health and Family Welfare, Govt. of India through http://innovate.mygov.in platform. Title: Installing of Automated Electronic Hand Hygiene Monitoring and Alarming System in Every Hospital and Public Places in COVID 19 Prone Region	28.3.2020 (Submitted Proposal)	Aditya Rajmohan, S8 BE Biomedical Engineering
19.	“COVID-19 Solution Challenge” competition organized by Ministry of Health and Family Welfare, Govt. of India through http://innovate.mygov.in platform. Title: Coronavirus mobile testing centers	30.3.2020 (Submitted Proposal)	Gokul B, S8 Aerospace

Achievements Details

Award	Vineeth Jacob Antony, Pooja Raj M, Nithya Krishnan from S7 B.E Aerospace received Tamil Nadu Student Innovators Award -2019 with cash prize of 1 lakhs organized by EDII (Entrepreneurship Development Institute of India)-TN
Award	Vineeth Jacob Antony, S8 B.E Aerospace received Young Entrepreneur Award -2020 from CAPE Skill Development Forum, Kanyakumari Dt on 28 th July 2020.
Star Status	Institution Innovation Council (IIC) Received Four and Half Stars (★★★★★) for all quarters I, II, III & IV with the score of 95.83 and reward point 20 from MoE IIC for the academic year 2019-20. Result is published on 15 th Oct 2020.
Innovation Ambassador	Dr. Rimal Isaac R S, Department of Nano Technology Dr. Chitra R, Department of CSE Dr. S. Gobalakrishnan, Department of Nano Technology Stanly Jones Retnam. B, Department of Automobile Unnikrishnan, Department of Mechanical Engineering Dr. M. Murugan, Department of Biomedical Engineering Rohith I J, Department of Aeronautical Engineering K Eqbert, Department of Mechanical Engineering Allan bridjith, Incubation/ External Expert A total of 9 members have undergone Innovation Ambassador training (Beginner Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June – 30th July 2021 in online mode. Dr. R. Ganapathi Raman, Department of Physics

	Dr. N.C.J. PACKIA LEKSHMI, Department of Allied Health Sciences Dr.KMuthuvel, Department of EEE Dr. S.Albert Jerome, Department of Biomedical Engineering Dr J Joseph, Department of Chemistry E.H.EdinshaGladis, Department of Chemistry J.MichaelAhitha Jose, Department of Chemistry A total of 7 members have undergone Innovation Ambassador training (Advanced Level) conducted by MoE's Innovation Cell & AICTE during the period from 30 th June – 30 th July 2021 in online mode.
Award	Karthikeyan, S5 B.E AME Tamil Nadu Student Innovators Award -2020with Seed Grant of 1 lakhs organized by EDII (Entrepreneurship Development Institute of India)-TN.
Award	Karthikeyan, S4 B.E AME Idea got selected for National Innovation Contest organized by Ministry of Education's Innovation Cell (MIC) during Prototype ID: 63995 Multipurpose of agriculture machine (Agrover)
Recognition	Karthikeyan S5 B.E AME Recognised for his outstanding contribution in innovation and developing innovative prototype name "Agrover" by Noorul Islam Centre for Higher Education with Cash Award Rs. 15,000 on 15 th Aug 2021. Cheque No: 01218147 Dated 14.8.2021 TMB Thalakulam
Recognition	Institution's Innovation council of NICHE got selected as Mentor Institute by Ministry of Education's Innovation Cell. Selection was based high performance in IIC2.0. NICHE IIC can be the mentor for any Institute for promoting Innovation Eco System in Mentee Institute. Across the country 205 Institute got selected as Mentor Institute NICHE-IIC one among them.

(i) Incubation Centre:

An Incubation Centre was inaugurated at NICHE in collaboration with Anna Robotics, Tirunelveli, on 22nd May 2019. The major objective of the Centre is to provide opportunities to the students to develop their innovative ideas for commercial exploitation. By bringing together students and field professionals, the centre intends to showcase students' innovative thinking, processes and products for viable commercialization. In addition, the Centre will provide practical internships relevant to the development of projects undertaken by the students. The tangible outcomes could be reflected in the higher employability potential of our graduates. 26 students of various departments have worked and developed 6 Web projects generating a revenue of the Rs. 66,500/-.

(j) R&D Extension Activities:

- The NICHE's ultimate aim is to transform the lives of the people and serve the society/ humanity in a better way. The NICHE is committed to achieve this objective by way of various schemes and programmes conducted by different Departments/Offices/Centres/Units.

- The NICHE has promoted the engagement of faculty, students and staff with neighborhood community for their holistic and sustained development through various activities.
- The following activities were conducted to achieve the objectives:
- The Center for Advanced Studies conducted visits to nearby villages to interact with villagers including functionaries of Panchayats. During demonetization, University students trained the villagers regarding cashless transactions and disseminated information about various government programmes.
- In order to maintain cleanliness in and around the Campus and to create awareness about the role of clean environment in human health, voluntary activities were organized by students under the National Swachh Bharat Abhiyan.
- Various programmes like Blood Donation Camps, Health Checkup Camps, Eye Check Up Camps, Awareness among masses for prevention from HIV/AIDS, Dental Checkup Camps were organized to sensitize people on health issues.
- Promotion of the social welfare schemes of the Government like Swachh Bharat Abhiyan, Run for Unity, Go Green Day, was carried out .under outreach programmes of the NICHE.
- Awareness programme regarding Human Rights, Traffic Rules, Digital India, Women Empowerment, Tree Plantation, Youth Leadership Camps, etc were organized through NSS.
- Farmers Training on sustainable agricultural practices.
- Workshops on gender sensitization and women safety were organized regularly by the committee to check sexual harassment and violence against women.

List of Faculty who attended Seminars,Webinars,FDP,PDP during 2020-21

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
I.James Dhinakaran Williams	Training	05-11-2020.	Green World Group
I.James Dhinakaran Williams	Training	06-11-2020.	Green World Group
I.James Dhinakaran Williams	Training	16-11-2020	Green World Group
I.James Dhinakaran Williams	Training	25-11-2020	Green World Group
I.James Dhinakaran Williams	Training	03-07-2020 to 05-07-2020	NICHE
I.James Dhinakaran Williams	FDP	06-07-2020 to 10-07-2020	PSNCET
I.James Dhinakaran Williams	FDP	15-07- 2020 to 19-07-2020	NICHE

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
I.James Dhinakaran Williams	FDP	18-07-2020	NICHE
I.James Dhinakaran Williams	FDP	20-08-2020	NICHE
I.James Dhinakaran Williams	FDP	22-01-2021	Knight Academy, UK
I.James Dhinakaran Williams	Training	21-09-2020 to 15-10-2021	NEBOSH, UK
Dr.R.S.Ganesh	FDP	03-07-2020 to 05-07-2020	NICHE
Dr.R.S.Ganesh	FDP	10-08-2020 to 14-08-2020	Kumaraguru College of Tech
Dr.R.S.Ganesh	FDP	06-07-2020 to 10-07-2020	C DAC
Dr.R.S.Ganesh	FDP	27-07-2020 to 31-07-2020	NICHE
Dr.R.S.Ganesh	FDP	16-11-2020 to 20-11-2020	ATAL
Dr.R.S.Ganesh	FDP	31-7-2020	Machine Intelligence Research Lab
Dr.R.S.Ganesh	FDP	31-7-2020	Machine Intelligence Research Lab
Dr. B. Bavanish	Workshop	27 -07 -2020 to 01-08 -2020	Saradar Vallabai Patel Institute of Tech
Dr. B. Bavanish	Workshop	12 – 07 – 2020	NICHE
Dr. B. Bavanish	FDP	15-07- 2020 to 19-07-2020	NICHE
Dr. B. Bavanish	FDP	03-07-2020 to 05-07-2020	NICHE
Dr. B. Bavanish	FDP	14.07.2020	NICHE
Dr. Rajesh.R	FDP	15-07- 2020 to 19 -07- 2020	NICHE
Bindhu V.S	FDP	03-07-2020 to 07-07-2020	NOORUL ISLAM CENTRE FOR THIGHER EDUCATION
Bindhu V.S	FDP	06-07-2020 to 10-07-2020	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Bindhu V.S	FDP	15-07-2020 to 19-07-2020	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
Bindhu V.S	FDP	23-09-2020 to 29-09-2020	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
Bindhu V.S	FDP	14-06-2021 to 19-06-2021	EESWARI ENGG COLLEGE
Dr.Tibbie Pon Symon.V.A	FDP	14-06-2021 to 19-06-2021	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
Dr.Tibbie Pon Symon.V.A	FDP	07-12-2020 to 12-12-2020	RMD ENGG COLLEGE
Sujatha Therese.P	FDP	29-06-2020 to 04-07-2020	KOMMURU Prthabh reddy college of engineering
Sujatha Therese.P	FDP	15-07-2020 to 19-07-2020	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
Sujatha Therese.P	FDP	23-09-2020 to 29-09-2020	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
Dr.J Arul Linsely	FDP	23-09-2020 to 29-09-2020	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
Dr. S. Anitha Janet Mary	FDP	01-07-2020 to 08-07-2020	holy cross college
Dr. Flower Queen M P	FDP	23-09-2020 to 29-09-2021	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
Muthuvel K	FDP	23-09-2020 to 29-09-2022	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr. D. Mary Synthia Regis Prabha,	FDP	23-09-2020 to 29-09-2023	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
S. MATHAN KUMAR	FDP	6.7.2020 to 11-07-2020	Balaji Institute of Technology & Science
S. MATHAN KUMAR	FDP	13-7-2020 to 17-07-2020	Satya Institute of Technology and Management
Dr. P. Maheswaran	FDP	18-01-2021 to 22-01-2021	IILM Academy
Dr. P. Maheswaran	FDP	1-02-2021 to 05-02-2021	Ambedkar Institute of Technology
Dr. P. Maheswaran	FDP	14-06-2021 to 27-06-2021	Francis Xavier Engineering college
Dr. J. E. Judith	FDP	18-01-2021 to 22-01-2021	IILM Academy
Dr. J. E. Judith	FDP	7-06-2021 to 12-06-2021	IT Kanpur
Dr. J. E. Judith	FDP	14-06-2021 to 27-06-2021	Francis Xavier Engineering college
Dr. R. Suji Pramila	STTP	7-12-2020 to 12-12-2020	R. M. D Engineering college
Dr.M.Murugan	FDP	24-08-2020 to 28-08-2020	NATIONAL POWER TRAINING INSTITUTE
Dr. S Albert Jerome	FDP	14-07-2020 to 18-07-2020.	Balaji Institute of Technology & Science, Warangal
Dr. S Albert Jerome	FDP	28-06-2020 to 29-06-2020	St. Joseph's Institute of Technology, Chennai
Dr. S Albert Jerome	FDP	22-06-2020 to 26-06-2020	TKR College of Engineering and Technology, Chennai

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr. S Albert Jerome	FDP	01-06-2020 to 05-06-2020.	Vikas Group of Institutions, Vijayawada, Chennai
Dr. S Albert Jerome	FDP	02-06-2020 to 06-06-2020.	Vaagdevi College of Engineering ,Telengana
Dr. S Albert Jerome	FDP	18-07-2020 to 25-07-2020	Eswari Engineering College, Chennai
Dr. S Albert Jerome	FDP	06-07-2020 to 10-07-2020	NICHE and C-DAC Thiruvananthapuram
Mrs.Lisha Daniel	FDP	01-06-2020 to 05-06-2020	Department of Computer Science and Engineering, Vikas Group of Institutions
Dr. K S Vijula grace	FDP	20-07-2024 to 25-07-2020	RMKCET
Dr T GopalaKrishnan	FDP	14-12-2020 to 19-12-2020	Sai Ram College of Engoneering
Dr.B.Stanly Jones Retnam	FDP	15-07-2020 to 19-07-2020	Noorul Islam Centre for Higher Education
Dr J. Edwin Raja Dhas	FDP	15-07-2020 to 19-07-2020	Noorul Islam Centre for Higher Education
Dr.B.Bindhu	FDP	05-10-2020 to 09-10-2020	AICTE Training And Learning (ATAL) Academy
Dr.B.Bindhu	FDP	21-09-2020 to 25-09-2020	Department of Mechanical Engineering,
Dr. V N Meena Devi	FDP	22-02-2021 to 26-02-2021	Teaching Learning Centre, Central University of Rajasthan.
Dr.R. Ganapathi Raman	FDP	17-05-2021 to 21-05-2021	AICTE Training And Learning (ATAL) Academy

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr.C.Sagi Rani	FDP	27-07-2020 to 31-07-2020	Department of Computer Science and Engineering, NICHE.
Dr.C.Sagi Rani	FDP	06-07-2020 to 11-07-2020	Department of Electrical & Electronics Engineering.
Dr.C.Sagi Rani	FDP	29-06-2020 to 03-07-2020.	Department of Electronics and Communication Engineering, Saveetha Engineering College.
Dr.N.Y.Sugirtha Suni	FDP	27-07-2020 to 08-08-2020	Department of Physics, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.
Dr.N.Y.Sugirtha Suni	FDP	15-07-2020 to 19-07-2020	Department of Fire Technology and Safety Engineering, NICHE.
Dr.R.Mathusoothana.S.Kumar	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.S.Maria Celestin Vigila	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.S.Palanikumar	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.V.Mary Amala Bai	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.V.Mary Amala Bai	FDP	08.02.2021 to 12.02.2021	Mepco Schlenk Engineering College , Sivakasi

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr.T.Brindha	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.D.R.Denslin Braja	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.Y.Jeyasheela	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.Y.Jeyasheela	FDP	07-06-2021 to 12-06-2021	Malla Reddy Engineering College, Secunderabad
Dr.Y.Jeyasheela	FDP	14-06-2021 to 27-06-2021	Francis Xavier Engineering College , Tirunelveli
Dr.Melbin.J.Reena	FDP	31-05-2021 to 04-06-2021	Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai
Dr.M.B.Jayalekshmi	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.M.B.Jayalekshmi	FDP	08.02.2021 to 12.02.2021	Mepco Schlenk Engineering College , Sivakasi
Dr.T.V.Sindia	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
Dr.S.V.Divya	FDP	06-07-2020 to 10-07-2020	C-DAC Thiruvananthapuram
	FDP	27-7-2020 to 31-07-2020	NICHE
Dr. R. S. Rimal Isaac	FDP	2020-8-17 to 2020-8-21	St.Joseph's Institute of Technology.
Dr.R.R.Neela Rajan	FDP	15-7- 2020 to 19-7- 2020	Balaji Insititute of Technology & Science
Dr.R.R.Neela Rajan	FDP	6-7- 2020 to 11-7- 2021	NICHE

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr.R.R.Neela Rajan	FDP	27- 7- 2024 to 31- 07-2020	NICHE
Dr.R.R.Neela Rajan	FDP	17-08- 2020 to 21- 08-2020	Government College of Engineering Kalahandi
Dr. K. Asha	FDP	January – March, 2021	NPTEL
Dr. K. Asha	FDP	January – March, 2021	Swayam, NPTEL
Dr. M. Immaculate Mary	FDP	02-09-2020 to 06- 09-2020	Vignan's Institute of Management and Technology for Women,Hyderab ad
Dr.P.B.Sarasija	FDP	03-06-2020 to 07- 06-2020	Noorul Islam Centre for Higher Education,Kumar acoil
Dr.P.B.Sarasija	FDP	08-06-2020 to 13- 06-2020	St.Vincent Palloti College of Engineering and Technology,Nagp ur
Dr.P.B.Sarasija	FDP	10-06-2020 to 16- 06-2020	Hindustan College of Arts and Science,
Dr.T.M.Selvarajan	FDP	02-09-2020 to 06- 09-2020	Vignan's Institute of Management and Technology for Women,Hyderab ad
Dr.S.Kumaresan	FDP	02-09-2020 to 06- 09-2020	Vignan's Institute of Management and Technology for Women,Hyderab ad
Dr.K.Uma Samundeswari	FDP	03-06-2020 to 07- 06-2020	Noorul Islam Centre for Higher Education,Kumar acoil

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr.K.Uma Samundeswari	FDP	08-06-2020 to 15-06-2020	SNMV College of Arts and Science,Coimbatore
Dr.R.Binithiya	FDP	08-06-2020 to 15-06-2020	SNMV College of Arts and Science,Coimbatore
Dr.P.Nageswari	FDP	10-06-2020 to 16-06-2020	Hindustan College of Arts and Science,
Dr.P.Nageswari	FDP	08-06-2020 to 13-06-2020	St.Vincent Palloti College of Engineering and Technology,Nagpur
Dr.K.Uma Devi	FDP	10-06-2020 to 16-06-2020	Hindustan College of Arts and Science, Coimbatore
Dr.K.Uma Devi	FDP	08-06-2020 to 13-06-2020	St.Vincent Palloti College of Engineering and Technology, Nagpur
Dr.D.Sheeba Singh	FDP	08-06-2020 to 15-06-2020	SNMV College of Arts and Science, Coimbatore
Dr.D.Sheeba Singh	FDP	01-06-2020 to 05-06-2020	Hindustan College of Arts and Science, Coimbatore
Dr.M.Sudha	FDP	10-06-2020 to 16-06-2020	Hindustan College of Arts and Science, Coimbatore
Dr.M.Sudha	FDP	08-06-2020 to 13-06-2020	St.Vincent Palloti College of Engineering and Technology, Nagpur

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Mr.G.Victor Jeya Chandra	FDP	08-06-2020 to 13-06-2020	St.Vincent Palloti College of Engineering and Technology, Nagpur
MrsP.Jeba Sheeja	FDP	10-06-2020 to 16-06-2020	Hindustan College of Arts and Science, Coimbatore
MrsP.Jeba Sheeja	FDP	03-06-2020 to 07-06-2020	Noorul Islam Centre for Higher Education,Kumaracoil
MrsP.Jeba Sheeja	FDP	08-06-2020 to 13-06-2020	St.Vincent Palloti College of Engineering and Technology, Nagpur
Dr.J.John Arul Singh	FDP	20-08-2020 to 25-08-2020	Sri Venkadeswara Institute of Science and Technology, Kadapa
Mrs.C.Saranya	FDP	20-08-2020 to 25-08-2020	Sri Venkadeswara Institute of Science and Technology, Kadapa
Dr.N.Ramasamy	FDP	6-07-2020 to 11-07-2020	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
Dr.N.Ramasamy	FDP	6-07-2020 to 11-07-2020	Sri Ramakrishna Institute of Technology - Coimbatore
Dr.N.Ramasamy	FDP	10-07-2020 to 14-07-2020	stella Marys College of Engineering and Technology - Azhikal

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr.G.M.Joselin Herbert	FDP	3-08-2020 to 8-8-2020	St Joseph College of Engineering and Technology - Chennai
Dr.G.M.Joselin Herbert	FDP	13-07-2020 to 18-07-2020	Sthyabhma Institute of technology - Chennai
Dr.G.M.Joselin Herbert	FDP	15-07-2020 - 19-07-2020	NICHE
Dr.N.Abilash	FDP	6-7-2020 to 10-07-2020	SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY-BENGALURU
Dr.N.Abilash	FDP	15-07-2020 to 19-07-2020	NICHE
Raja.S	FDP	6-7-2020 to 10-07-2020	SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY-BENGALURU
Raja.S	FDP	02-07-2020 to 07-07-2020	SNS College of Engineering and Technology
Dr.P.Jerold Jose	FDP	15-07-2020 to 19-07-2020	NICHE
Dr.P.Jerold Jose	FDP	6-7-2020 to 10-07-2020	SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY-BENGALURU
S.Selvan Nambi	FDP	13-07-2020 to 17-07-2020	SAS Institute of Engineering and Technology
Dr. M. Ilankumaran	FDP	17-06-2020 to 19-06-2020	Amity University, Patna
Dr. M. Ilankumaran	FDP	8-06-2020 to 12-06-2021	Dr. NGP Institute of Technology, Coimbatore
Dr.T.M.Sharmila	FDP	31-08-2020 to 04-09-2020	Eswari Engineering College.

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr.T.M.Sharmila	FDP	25-01-2021 to 5-02-2021	MNIT, Jaipur
Dr.T.M.Sharmila	FDP	14-06-2021 to 18-06-2021	CIPET
Dr.T.M.Sharmila	FDP	10-07-2020 to 14-07-2020	Stella Marys College of Engineering.
Dr.T.M.Sharmila	FDP	01-09-2020 to 07-09-2020	Kumaraguru College of Technology.
Dr.T.M.Sharmila	FDP	14-09-2020 to 18-09-2020	Eswari Engineering College.
Dr.T.M.Sharmila	FDP	28-09-2020 to 02-10-2020	IFET College of Engineering
Dr.T.M.Sharmila	FDP	05-10-2020 to 09-10-2020	Bharathiar University.
Dr.T.M.Sharmila	FDP	23-11-2020 to 27-11-2020	National Institute of Engineering Mysuru.
Dr.T.M.Sharmila	FDP	22-01-2021 to 26-01-2021	College of Engineering and Management
Dr.T.M.Sharmila	FDP	21-06-2021 to 25-06-2021	Government Polytechnic Daman.
Dr.T.M.Sharmila	FDP	26-07-2021 to 31-07-2021	KL University
Dr.T.M.Sharmila	FDP	23-08-2021 to 27 -08-2021	Eswari Engineering College.
Dr.T.M.Sharmila	Refresher Course	08-02-2021 to 13-02-2021	AVC College of Engineering
Dr.T.M.Sharmila	STTP	17-05-2021 to 22-05-2021	Swarnandhra College of Engineering and Technology
Ms.J. Michael Ahitha Jose	FDP	28-09-2020 to 02-10-2020	IFET College of Engineering
Ms.J. Michael Ahitha Jose	FDP	26-04-2021 to 01-05-2021	Amar Sewa Mandal's Kamala Nehru Mahavidyalaya
D. Arthi	FDP	26-04-2021 to 01-	Amar Sewa

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
		05-2021	Mandal's Kamala Nehru Mahavidayala
Ms.J. Michael Ahitha Jose	FDP	24-05-2021 to 06-06-2021	AMET
Dr.T.M.Sharmila	FDP	11-06-2020 to 14-06-2020	NIFTEM
Dr.T.M.Sharmila	FDP	15-06-2020 to 20-06-2020	Suresh Gyan Vihar University
Dr.T.M.Sharmila	FDP	17-06-2020 to 22-06-2020	KDK College of Engineering Nagpur.
Dr.T.M.Sharmila	FDP	22-06-2020 to 26-02-2020	PERI Institute of Technology
Dr.T.M.Sharmila	FDP	02-06-2020 to 07-06-2020	Gokaraju Rangaraju Institute Engineering & Technology
Dr.T.M.Sharmila	FDP	03-06-2020 to 07-06-2020	Noorul Islam Centre for Higher Education
E.H.Edinsha Gladis	FDP	03-06-2020 to 07-06-2020	Noorul Islam Centre for Higher Education
D. Arthi	FDP	03-06-2020 to 07-06-2020	Noorul Islam Centre for Higher Education
D. Arthi	FDP	15-06-2020 to 20-06-2020	Suresh Gyan Vihar University
E.H.Edinsha Gladis	FDP	15-06-2020 to 19-06-2020	Godavari Institute of Engg and Technology
Dr.T.M.Sharmila	FDP	02-06-2020 to 07-06-2020	Pragati Engineering College
Dr.T.M.Sharmila	FDP	15-06-2020 to 19-06-2020	Godavari Institute of Engg and Technology
Dr.T.M.Sharmila	FDP	15-06-2020 to 19-06-2020	Godavari Institute of Engg and Technology

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr.T.M.Sharmila	FDP	02-06-2020 to 07-06-2020	Godavari Institute of Engg and Technology
Dr.T.M.Sharmila	FDP	03-06-2020 to 07-06-2020	Noorul Islam Centre for Higher Education
Dr.T.M.Sharmila	FDP	15-06-2020 to 20-06-2020	Suresh Gyan Vihar University
D. Arthi	FDP	02-06-2020 to 07-06-2020	Godavari Institute of Engg and Technology
Dr.J.R.Jeba	FDP	29-06-2020 to 04-07-2020	NICHE
Dr. M.Victor Jose	FDP	1-2-2021 to 5-2-2021	Noorul Islam Centre For Higher Education
M. Merlin Johnsy	FDP	24-05-2021 to 29-05-2021	Dr.N A S M FIRST GRADE COLLEGE
M. Merlin Johnsy	FDP	31-05-2021 to 04-06-2021	DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
Mrs. Arya Shankari.S	FDP	06-07-2020 to 10-07-2020	DEPT of IT NICHE
Ms.B.S.Deepa Priya	FDP	06-07-2020 to 10-07-2020	DEPT of IT NICHE
Mrs. J. P. Janu	FDP	07-06-2021 to 12-06-2021	DEPT of AHS NICHE
Mrs. Monic Leka. G	FDP	02-07-2020 to 03-07-2020	PG and Reasearch dept of Holly cross college
Mrs. Monic Leka. G	FDP	30-07-2021 to 31-07-2021	A2Z Edu LearningHub
Dr.J.Raja Brindha	FDP	06-07-2020 to 10-07-2020	DEPT of IT NICHE
Dr.J.Raja Brindha	FDP	15-07-2020 to 19-07-2020	DEPT Of Microbiology Kr college of arts and science

Name of the Faculty	Type of Program (FDP/ PDP, Orientation/ Induction Programmes, Refresher Course, Short Term Course)	Date	Name of the Organising Institution
Dr.J.Raja Brindha	FDP	30-07-2020 to 01-08-2020	DEPT Of Microbiology Kr college of arts and science
Dr.J.Raja Brindha	FDP	07-06-2021 to 12-06-2021	Institute of science and research Indore
Dr.N.C.J.Packia Lekshmi	FDP	07-06-2020 -	PG dept of chemistry at APCian research Forum
Dr.N.C.J.Packia Lekshmi	FDP	30-07-2020 to 01-08-2021	DEPT of Microbiology KR college of Arts and Science
Dr.N.C.J.Packia Lekshmi	FDP	07-06-2021 to 12-06-2021	Institute of science and research Indore
Mrs. Ashline Jeba T	FDP	06-07-2020 to 10-07-2020	DEPT of IT NICHE

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