

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Universities)

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution Noorul Islam Centre for Higher Education

- Name of the Head of the institution: Dr. V. Kumaraguru
- Designation: Vice Chancellor
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no. 04651-250566
- Mobile no. 09486856113
- Registered Email info@niuniv.com
- Alternate Email shajin@niuniv.com
- Address : Noorul Islam Centre for Higher Education, Kumaracoil
- City/Town : Thuckalay
- State/UT : Tamilnadu
- Pin Code : 629180

2. Institutional status:

- University: State/Central/Deemed/Private: Deemed
(Tick appropriate)
- Type of Institution: Co-education/Men/Women: Co-education
- Location : Rural/Semi-urban/Urban: Rural
- Financial Status: Centrally funded/state funded/Private: Private
(please specify)
- Name of the IQAC Co-ordinator/Director: Dr. R. Mathusoothana S Kumar
- Phone no. /Alternate phone no. : 04651-250566

- Mobile: 9486856119, 9344016058
- IQAC e-mail address: iqac@niuniv.com
- Alternate Email address:rmssk@niuniv.com

3. Website address: www.niuniv.com

Web-link of the AQAR: (Previous Academic Year):
<http://www.niuniv.com/old/iqac/reports/iqac-2018.pdf>

4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: Yes

Weblink: <http://www.niuniv.com/page.php?data=academic-schedule>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.06	2015	from.16-11-2015 to: 15-11-2020
2 nd				from:to:
3 rd				from:to:
4 th				from: to:
5 th				from: to:

6. Date of Establishment of IQAC: DD/MM/YYYY: 22-08-2012

7. Internal Quality Assurance System

7.1Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Academic & Administrative Audit by IQAC	05-07-2021 to 20-07-2021 ,12 days	20
Regular meeting of Internal Quality Assurance Cell (IQAC)	03-01-2020	18
NIRF Participation	13-01-2020, 3 months	20

Note: Some Quality Assurance initiatives of the institution are:

(Indicative list)

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements
- Academic Administrative Audit (AAA) conducted and its follow up action
- Participation in NIRF
- ISO Certification
- NBA etc.
- Any other Quality Audit

8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
NICHE/Nanotechnology	FIST	DST	2017 (2017-2022)	77,00,000/-
NICHE/Nanotechnology	S&T	TNSCST	2019 (2019-2021)	3,31,000/-
NICHE / Electrical and Electronics	Student Project Scheme	TNSCST	18-03-2020 (6 Months)	7500/-

9. Whether composition of IQAC as per latest NAAC guidelines: Yes

*upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year:1

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.....

Yes/No Yes

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? No

If yes, mention the amount: Year:

12. Significant contributions made by IQAC during the current year (maximum five bullets)

- *Motivating the staff to participate in seminars, NPTEL workshops and to apply projects
- *Motivating students to participate in state/ national/ international level examinations
- *Strengthening the laboratories
- *Motivating the staff members to Develop E-Content
- *Conducting regular internal academic audit

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Motivation for Patent Publication	Individual faculty members are to contribute with more patent publications.
Academic & Administrative audit	The Academic & Administrative Audit, helped to improve the quality of teaching-learning process, and other activities also improved
MOOC and SWAYAM Courses	The participation of faculty and students in online courses significantly increased.
Improvement in Research	Number of Publications including SCI, Scopus and Web of Science were increased.
Outcome Based Education	Outcome Based Education is implemented with PEO, PSO, PO, CO and Course attainment

14. Whether the AQAR was placed before statutory body? Yes /No: Yes

Name of the statutory body: Board of Management Date of meeting(s): 07-01-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

Yes/No: No

Date: -

16. Whether institutional data submitted to AISHE: Yes/No: Yes

Year: 2021

Date of Submission: 05-02-2021

17. Does the Institution have Management Information System?

Yes

If yes, give a brief description and a list of modules currently operational. (Maximum 500 words)

The scope of the Management Information System is to manage:

- The complete life cycle of admission process at NICHE
- The information related to students, their attendance, performance, marks both (internal & External) their extracurricular activities, etc.
- The information related to curriculum and teaching activities by the faculties including the selection of faculty for a subject, setting up timetable schedules for various subjects, creating a subject covering plan, updating the subject covered plan.
- The various examinations held by the Controller of Examinations (Here after this will be called as CoE) and the respective departments for their serial tests and allocation of marks according to attendance.
- The generation of journals for student payables (fees and fines) and collecting these payables.
- Capturing various purchase details and posting them into their respective account heads like fixed assets and consumables.
- Fixed assets, creating depreciation books, attaching service journals to these assets, writing off unusable assets.

h) The complete life cycle of Purchases, right from capturing the requisition from the department, identifying the vendors, demanding RFP/Quote, selecting the vendor, negotiating and releasing the PO and finally managing the vendor payment journal.

i) Banks, their transaction and making BRS at various intervals

j) Creation of various documents like income & expense statement, balance sheet and year end closure process.

k) Integration of financial details to the centralized server from the existing Library software in place (this will be done in consultation with the vendor of the library management software).

The general project scope comprises of

- Creation of various levels of users with different level of access system though a system generated global admin user
- The interface should be simple, clean and web based, intuitive to use, light weight and provides for less network traffic
- Parallel to the existing system, a document management system will be installed to store, manage versions of document and metadata, setting access rights and setting up a well-defined workflow process control
- The server technologies should be scalable to handle large volume of data in the future

Part-B

CRITERION I – CURRICULAR ASPECTS			
1.1 – Curriculum Planning and Implementation			
1.1.1 Programmes for which syllabus revision was carried out during the Academic year			
Name of programme	Programme Code	Dates of revision	
B.E Aeronautical Engineering	AE22	10-06-2020	
B.E Automobile Engineering	AM22	31-01-2020	
B.E Aerospace Engineering	AS22	26-06-2020	
B.E Civil Engineering	CV22	26-06-2020	
B.E Electrical and Electronics Engineering	EE22	18-06-2020	
B.E Electronics and Communication Engineering	EC22	22-06-2020	
B.E. Mechanical Engineering	ME22	16-06-2020	
B.Tech Information Technology	IT22	19-06-2020	
B.Tech Nano Technology	NT22	12-06-2020	
B.Tech Fire Technology and Safety Engineering	FT22	18-06-2020	
B.E. Biomedical Engineering	BM22	13-06-2020	
MCA Master of Computer Applications	CA25	24-06-2020	
MBA Master of Business Administration	MS25	30-06-2020	
BBA Bachelor of Business Administration	MS26	30-06-2020	
M.Sc Software Engineering	SE28	25-06-2020	
1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year			
Programme with Code	Date of Introduction	Course with Code	Date of Introduction
B.E Aeronautical Engineering AE22	03-07-2019	Flight Dynamics AE2209 Aircraft Design Project I AE2276 Aircraft Component Design and Drafting AS2284	03-07-2019
	03-07-2019	Introduction to Aeronautics AE2203 Aero Engineering Thermodynamics AE2202 Aero Thermodynamics Lab AE2272	03-07-2019
	02-01-2020	Aero Engines and Maintenance Repair AE22A1 Aero Engines Lab AE2277 Airframe Maintenance and Repair AE2212 CAD & FEA Laboratory AE2279 Finite Element Analysis AE2213 Aircraft Design Project II AE2278	02-01-2020
	02-01-2020	Aircraft Systems and Instrumentation AE2206 Aircraft Structures AE2205 Aircraft Systems Lab AE2274 Aircraft Structures Lab AE2273	02-01-2020
B. E. Aerospace Engineering ASE22	03-07-2019	AS2214 Aerospace Composite Materials AS2215 Finite Element Procedures AS2216 Computational Fluid Dynamic Techniques AE22B5 Rockets And Missiles AS2280 Composite Materials Lab	03-07-2019

		AS2281 Aerospace Computational Analysis lab AS22P1 Mini Project	
	03-02-2020	AS22A8 Satellite Technology AE22B9 Cryogenics	03-02-2020
B.E Automobile Engineering AM22	03-07-2019	Automotive Materials and Metallurgy - AM 2212	03-07-2019
	02-01-2020	Automotive Emission and Control - AM 2217 Alternate Fuels and Energy Systems - AM22A4 Automotive Safety - AM22A6	02-01-2020
B. E. Biomedical Engineering BM22	02-01-2020	BM22A1, Drug Delivery Systems and Implantable Devices BM22A4, Bio-MEMS BM22A5, Medical Equipment's Manufacturing Guidelines and Policies BM22A6, Hospital Engineering and Management BM22A7, Hospital System Management BM22A8, Tele Medicine	02-01-2020
	03-07-2019	BM2214, Medical Image Processing BM2215, Virtual Instrumentation BM2216, Patient Assist Devices BM2280, Medical Image Processing Lab BM2281, Virtual Instrumentation Lab BM22P1, Mini- Project BM22B4, Rehabilitation Engineering BM22B5, Troubleshooting and Quality Control Medical Equipment's BM22B6, Biomedical Monitoring Equipment's BM22B7, Biometric Systems BM22B8, Entrepreneurship BM22B9, Biomedical in Sports	03-07-2019
	03-02-2020	BM22C1, Intellectual Property Rights BM22C2, Robotics in Healthcare	03-02-2020
B.E. Civil Engineering CV22	03-07-2019	CV2222 Estimation and Quantity Surveying CV22B2 Docks and Harbour Engineering CV22C3 Experimental Stress Analysis CV22C4 Tall Buildings	03-07-2019
B.E. Computer Science and Engineering CS22	10-02-2020	CS2203- Fundamentals of Data Structures	10-02-2020
	02-01-2020	CS2205- Software Engineering CS2204- Problem Solving and Python Programming CS2208- Operating System Principles CS2209- Database Management Systems CS2275- Database Management Systems Laboratory CS2274- Operating Systems Laboratory CS2216- Compiler Design CS2215- Computer Graphics CS2217- Internet Programming CS22A1- Cryptography & Network Security CS22A5- Graph Theory & Applications	02-01-2020

		CS2281- Computer Graphics Laboratory CS2282- Internet Programming Laboratory	
B.E Electronics and Communication Engineering EC22	03-07-2019	EC2211-Control System Engineering EC2212-Digital Signal Processing EC2215-Advanced Microprocessor and Microcontrollers EC2272-Electronic Circuits - I Laboratory EC2273-Digital Electronics Laboratory EC2276-Advanced Microprocessor and Microcontrollers Laboratory EC2278-Digital Communication Laboratory EC2279-Digital Signal Processing Laboratory	03-07-2019
	02-01-2020	EC2217- Image processing EC2218- Advanced Embedded system EC2275-Electronic Circuits-II Laboratory EC2274-Analog Communication Laboratory EC2277-Integrated Circuits Laboratory EC2280-Antenna & Wave Propagation Laboratory EC2281-Image Processing Laboratory EC2282-Advanced Embedded Systems Laboratory	02-01-2020
B.E Electrical and Electronics Engineering EE22	03-02-2020	EE22B1 - Smart Grid EE22B2 - Renewable Energy Sources EE22B3 - Special Electrical Machines EE22B4 - High Voltage Engineering EE22B5 - Power System Operation and Control	03-02-2020
B.Tech Fire Technology and Safety Engineering FT22	03-07-2019	FS22A9 - Nuclear Engineering and safety FS2210 - Basics of Emergency Life Support	03-07-2019
	02-01-2020	FS22T1 – Industrial Training FS2218 – Building Science and Transportation Engineering	02-01-2020
B.E Marine Engineering MR22	26-06-2019	MARINE AUXILIARY MACHINERY- 1 - MR2227 NAVAL ARCHITECTURE -I - MR2228 MANAGEMENT SCIENCE & ECONOMICS - MR2224	26-06-2019
	02-01-2020	MARINE AUXILIARY MACHINERY-II - MR2233 NAVAL ARCHITECTURE -II - MR2234	02-01-2020
B.E.Mechanical Engineering ME22	02-01-2020	Industrial Robotics ME22B8 Turbo Machinery ME22B9 Applied Hydraulics and PneumaticsME22C4 Industrial Engineering & PsychologyME22C7 Nuclear Power Generation and SupplyME22D2 Metrology LaboratoryME2287 Mechatronics LaboratoryME2289	02-01-2020
	03-02-2020	Welding TechnologyME22C1	03-02-2020
	03-07-2019	Quality Assurance and Reliability ME22C2 Simulation of Mechanical SystemsME22C3 Integrated Design & ManufacturingME22C5	03-07-2019

		Non-Destructive Evaluation & TestingME22C6 Mechanics of Composite MaterialsME22C8 Mechanical Handling SystemsME22C9 Theory of Combustion and EmissionME22D3 Introduction to Bio MechanicsME22D4 Supply Chain ManagementME22A1 Soft Computing TechniquesME22A2 Engineering Materials and MetallurgyME2207 Mechanical Engineering DrawingME2274 Gas Dynamics and Jet PropulsionME2208	
	10-02-2020	Manufacturing Processes – I - ME2202 Manufacturing Processes Laboratory – I ME2272	10-02-2020
B.Tech NanoTechnology NT22	03-02-2020	NT22A5-Nanomedicine	03-02-2020
	03-02-2020	NT22B2-Applications of Nanotechnology	03-02-2020
M.E Aeronautical Engineering AE25	03-07-2019	Space MechanicsAE25B7 Aero Engines Lab AE2573 Advanced Propulsion system AE25B5	03-07-2019
	29-07-2019	Advanced Heat TransferAE2504 Structures Laboratory AE2571 Aircraft Structural Mechanics AE2502 Aerospace Propulsion AE2503 Experimental Aerodynamics AE2501	29-07-2019
	02-01-2020	Avionics AE25C2	02-01-2020
M.E Automobile Engineering AM25	02-02-2020	Theory of Fuels and Lubricants - AM25A3 Two and Three Wheelers - AM 25A2 Special Type of Vehicles - AM25A4	02-02-2020
M.E Computer Integrated Manufacturing - CM25	02-01-2020	Project Work - Phase II CM25P5	02-01-2020
	03-07-2019	Industrial Internship Training CM25P1 Project Work - Phase I CM25P2	03-07-2019
	10-02-2020	Production and Operation Management CM2506 Mechatronics CM2507 Manufacturing System Simulation CM2508 Robotics CM2509 Manufacturing Information System CM2510 CIM Laboratory – II CM2572	10-02-2020
	29-07-2019	Statistical and Optimization TechniqueCM2501 Principles of CIM CM2502 Sensors, Actuation Devices and Control CM2503 Computer Aided Design CM2504 Computer Aided Manufacturing CM2505	29-07-2019
M.E Computer Science and Engineering - CS25	03-07-2019	CS2506-Advanced Database Management Systems CS2507-Cloud Computing Techniques CS25A7-Data Mining Techniques CS2572-Cloud Computing Laboratory CS2505-Compiler Optimization	03-07-2019
	02-01-2020	CS2509-Advanced Web Technologies	02-01-2020

		CS2508-Networking Technologies	
M.E Communication System- EC25	19-08-2019	EC2503 - Advanced Digital Signal Processing EC2504 - Optical Communication Networks EC25A1-Digital Image Processing EC2571-Communication Systems Lab-I	19-08-2019
	06-03-2020	EC2505-Wireless Communication Engineering EC2572-Communication Systems Lab-II	06-03-2020
M.E Thermal Engineering - TE25	02-01-2020	Project work – Phase II TE25P5	02-01-2020
	03-07-2019	Industry Internship Training TE25P1 Project work – Phase I TE25P2	03-07-2019
	10-02-2020	Energy Systems Modeling and Analysis TE2509 Thermal Engineering Laboratory – II TE2572	10-02-2020
Master of Computer Applications CA25	29-07-2019	CA2571 - C Programming Laboratory CA2572 - Data Structures Laboratory CA2576 - Network Programming Laboratory CA2578 - Java Programming Laboratory CA2582 - XML and Web Applications Laboratory CA25P1 - Project Work – Phase I	29-07-2019
	02-01-2020	CA2573 - Object Oriented Programming Laboratory CA2574 - DBMS Laboratory CA2575 - Graphics Laboratory CA25P5 - Project Work – Phase II	02-01-2020
Master of Business Administration MS25	10-02-2020	MA2506 - Quantitative Techniques	10-02-2020
	04-01-2020	MS2514 - International Business Environment	04-01-2020
	29-07-2019	MS25L5- Global Financial Markets and International Banking MS25L6 - Insurance & Risk Management	29-07-2019
M. Sc Software Engineering SE28	29-07-2019	SE2817- E- Commerce SE2818 - Programming with JAVA SE2819 - Web Design SE2821 - Multimedia systems	29-07-2019
	10-02-2020	SE28A9 - Decision support system SE2822 - Software Quality Assurance	10-02-2020
M.Sc Physics PH27	02-01-2020	PH2777 – Problem solving skills	02-01-2020
BASLP Bachelor of Audiology and Speech Language Pathology.	28-08-2019	Communication Sciences SA2601 Anatomy and Physiology of Speech and Hearing SA2602 Clinical Psychology SA2603 Electronics and Acoustics SA2605 Research Methods and Statistics SA2606	28-08-2019
	10-02-2020	NeurologySA2607 Speech-Language PathologySA26009 AudiologySA2610	10-02-2020

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme	Course	Date of introduction
BE - Aerospace Engineering	AS2214/Aerospace Composite Materials AS2215/Finite Element Methods AS2216/Computational Fluid Dynamic Techniques AS2280/Composite Materials Lab AS2281/Aerospace Computational Analysis lab	03-07-2019
BE - Biomedical Engineering	BM22A1, Drug Delivery Systems and Implantable Devices BM22A5, Medical Equipment's Manufacturing Guidelines and Policies BM22A6, Hospital Engineering and Management BM22A7, Hospital System Management BM22B5, Troubleshooting and Quality Control in Medical Equipment's BM22B6, Biomedical Monitoring Equipment's BM22B7, Biometric Systems BM22B8, Entrepreneurship BM22B9, Biomedical in Sports BM22C1, Intellectual Property Rights BM22C2, Robotics in Healthcare	03-07-2019
B.E – Electronics and Communication Engineering	EC2215-Advanced Microprocessor and Microcontroller EC2278-Digital Communication Laboratory EC2276-Advanced Microprocessor and Microcontroller Laboratory	03-07-2019
	EC2217-Image Processing EC2218-Advanced Embedded system EC2280- Antenna and wave propagation laboratory EC2281-Image Processing Laboratory EC2282-Advanced Embedded Systems Laboratory	02-01-2020
B.Tech- Information Technology	Cyber Security Fundamentals, IT2211 Mobile Computing Laboratory, IT2278	03-07-2019
	Applied Cryptography, IT2217 Embedded Systems, IT2219 Graphics and Multimedia, IT2220 Cyber Security Laboratory, IT2281 Embedded Systems Laboratory, IT2282 Graphics and Multimedia Laboratory, IT2283	02-01-2020
BASLP Bachelor of Audiology and Speech Language Pathology	SA2601 - Communication Sciences SA2602 - Anatomy and Physiology of Speech and Hearing SA2603 - Clinical Psychology SA2604 - Linguistics and Phonetics SA2605 - Electronics and Acoustics SA2606 - Research Methods and Statistics	28-08-2019
	SA2607 – Neurology SA2608 - Otolaryngology SA2609 - Speech - Language Pathology SA2610 – Audiology SA2671 - Speech - Language Pathology Lab I SA2672 - Audiology Lab I	10-02-2020

B.Sc. - Cyber Forensics	English I, EG2601 Discrete Mathematics , MA2605 Introduction to Computer Software and Hardware , CF2601 Data structure using C++ , CF2602 Python Programming, CF2603 Data structure using C++ Lab, CF2671 Python Lab, CF2672	29-07-2019
	English II, EG2602 Mathematical Foundation of Computer Science, MA2606 Operating Systems and System Software, CF2604 Foundations of Data communication, CF2605 Fundamentals of Java Programming, CF2606 Operating System and Networks Lab, CF2673 Fundamentals of Java Programming Lab, CF2674	10-02-2020

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of Programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS / Elective Course System	UG	PG
B.E	Aeronautical Engineering	03-07-2019	-	-
B.E	Aerospace Engineering	03-07-2019		
B.E	Aircraft Maintenance Engineering	03-07-2019		
BE	Automobile Engineering	03-07-2019		
B.E	Biomedical Engineering	03-07-2019		
BE	Civil Engineering	03-07-2019		
B.E	Computer Science and Engineering	03-07-2019		
B.E	Electrical and Electronics Engineering	03-07-2019		
B.E	Electronics and Communication Engineering	03-07-2019		
B.E	Electronics and Instrumentation Engineering	03-07-2019		
B.E	Marine Engineering	03-07-2019		
B.E.	Mechanical Engineering	03-07-2019		
B.Tech	Fire Technology and Safety Engineering	03-07-2019		
B.Tech	Information Technology	03-07-2019		
B.Tech	NanoTechnology	03-07-2019		
BBA	Bachelor of	03-07-2019		

	BusinessAdministration			
B. Com	Bachelor of Commerce	03-07-2019		
M.E	Communication Systems	03-07-2019		
M.E	Computer Integrated Manufacturing	03-07-2019		
M.E	Computer Science and Engineering	03-07-2019		
M.E.	Cyber Security	03-07-2019		
ME	Structural Engineering	03-07-2019		
M.E.	Thermal Engineering	03-07-2019		
M.E.	Automobile Engineering	03-07-2019		
M.Tech.	Nanotechnology	03-07-2019		
MCA	Master of ComputerApplications	03-07-2019		
MBA	Master of BusinessAdministration	03-07-2019		
M.A.	English	03-07-2019		
M.Sc.	Physics	03-07-2019		
M.Sc.	Chemistry	03-07-2019		
M.Sc.	Mathematics	03-07-2019		
M.Sc.	Human Genetics and Molecular Biology	03-07-2019		
M.Phil	Physics	03-07-2019		
M.Phil.	Chemistry	03-07-2019		
M.Phil.	Mathematics	03-07-2019		
M.Phil.	English	03-07-2019		
M.Phil.	Management Studies	03-07-2019		
M.Phil.	Computer Science	03-07-2019		
B.Sc	Cyber Forensics	29-07-2019		
B.Sc.	Perfusion Technology	03-07-2019		
B.Sc.	Cardiac care Technology	03-07-2019		
B.Sc.	Renal DialysisTechnology	03-07-2019		
B.Sc.	Forensic science	03-07-2019		
B.Sc.	Human genetics andMolecular Biology	03-07-2019		
BASLP	Bachelor of Audiology and Speech Language Pathology	26-08-2019		

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
Solidworks	03-02-2020	30
Basic Life Support Training	25-02-2020	50

Industrial Training - Safety At Work Place		03-09-2019		44	
1.3.2 Field Projects / Internships under taken during the year					
Project/Program me Title		Program Specialization		No. of students enrolled for Field Projects / Internships	
B.E		Aeronautical Engineering		20	
B.E		Aircraft Maintenance Engineering		09	
B.E		Automobile Engineering		03	
B.E		Bio-Medical Engineering		109	
B.E		Civil Engineering		66	
B.E		Electrical and Communication Engineering		13	
B.E		Electrical and Instrumentation Engineering		20	
B.Tech		Fire Technolgy and Safety Engineering		16	
B.Tech		Information Technology		25	
B.Tech		Nano Technology		05	
BBA		Bachelor of BusinessAdministration		03	
MCA		Master of Computer Application		02	
MBA		Master of Business Admistration		19	
1.4 Feedback System					
1.4.1 Whether structured feedback received from all the stakeholders.					
1) Students		2) Teachers		3) Employers	
4) Alumni		5) Parents			
Yes		Yes		Yes	
1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)					
Feedback provided an excellent platform to identify the latest findings in the industries through the experts from different field. Feedback is key tool which triggers in continuous improvement in the quality of education. Feedback formats are designed for the stakeholders. This includes faculty, alumina, student, industry experts and parents. This analysis is utilized to find the relevance and adaptability of curriculum, and the inclusiveness, flexibility and newness of the syllabi. The feedback from students is obtained by distributing structured questionnaires to students. For each semester, two feedbacks were received from the students and the performance of the teaching staffs were analyzed and compared. After analyzing all these feedback, corrective measures will be taken to improve the teaching methods effectively. The constructive measures are taken to implement for the enrichment of curriculum and syllabus. Staff members are being given the privilege to express their own ideas, technical information regarding recent advancement in the field of Engineering and technology to constitute quality syllabus and curriculum in a nutshell. The inclusion of experts from industries and other academic bodies helps in the form of course development and its orientation. Alumni surveys are conducted during alumni interaction at the alumni association meeting held every year. Whenever any alumni visit the college, feedback is taken. Based on the input received from the alumni, we tune the course contents in such a way to full fill the industry requirements. The feedback obtained from the parents mainly concerns about the results and employability. To improve the results, extra coaching for poor students was arranged. Appropriate initiatives to enhance the results and employability are taken to bring in desired outcomes. The opinion of the parents on the current curriculum and basic facilities like hostel facilities, sports and games, medical facilities, canteen, transport, extracurricular and co-curricular activities, library, research and development activities, curriculum and syllabus, examination system, counselling and guidance and internet facilities are collected and based on their suggestions, various					

facilities are improved.

After collecting the feedback from all the stakeholders, it will be analysed and the suggestions will be discussed in the upcoming BoS and appropriate corrections and additions will be implemented in the syllabus as per the recommendations of the BoS members.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.E Aeronautical Engineering	60	18	14
B.E Aerospace Engineering	60	12	8
B.E Aircraft Maintenance Engineering	60	69	65
B.E Automobile Engineering	60	10	6
B.E Biomedical Engineering	60	44	40
B.E Civil Engineering	60	28	24
B.E-Computer Science and Engineering	60	27	23
B.E Electrical and Electronics Engineering	30	13	9
B.E Electronics and Communication Engineering	90	7	3
B.E Electronics and Instrumentation Engineering	30	13	9
B.E Marine Engineering	40	17	13
B.E.Mechanical Engineering	120	66	62
B.Tech Fire Technology and Safety Engineering	60	39	35
B.Tech Information Technology	60	35	27
B.TechNanoTechnology	60	6	2
BBA (Bachelor of Business Administration)	30	53	47
B. Com (Bachelor of Commerce)	30	5	1
M.E Communication Systems	25	8	4
M.E Computer Integrated Manufacturing	9	9	5
M.E Computer Science and Engineering	25	8	4
M.E Cyber Security	18	5	1
M.E Structural Engineering	18	13	9
M.E Thermal Engineering	9	8	4
M.E Automobile Engineering	18	8	4
MCA – Master of Computer Applications	60	17	13
MBA – Master of Business Administration	60	47	43
M.A English	25	15	11
M.Sc. Physics	25	15	11
M.Sc. Chemistry	25	20	16
M.Sc. Mathematics	25	12	8
M.Sc. Human Genetics and Molecular Biology	25	5	1
M.Phil Physics	32	6	2
M.Phil. Chemistry	32	5	1
M.Phil. Mathematics	32	10	6
M.Phil. English	32	16	12
M.Phil. Management Studies	32	7	3
M.Phil. Computer Science	32	11	7

B.Sc. Perfusion Technology	60	22	18
B.Sc. Cardiac Care Technology	60	42	38
B.Sc. Renal Dialysis Technology	60	15	11
B.Sc. Forensic science	60	16	12
B.Sc. Human genetics and Molecular Biology	30	7	3
BASLP Bachelor of Audiology Speech and Language Pathology	25	5	1
B. Sc Cyber Forensics	60	10	6
M.E Applied Electronics	9	5	1
M.Sc Software Engineering	60	9	5

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019-2020	477	171	29	18	250

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
297	297	Data Projector Recording hardware/software for podcasting	22	22	Database of journal and book chapter sites, Online course and data sources, NPTEL, National Digital Library, ppt, pdf, Videos, e- journals, e-articles, E- Books

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Teaching-learning process includes mentoring system, in which, around 20 students are assigned to a faculty. The faculty closely monitors the students and meets their academic, personal and psychological needs. The students who are at the risk of failure and dropout are given motherly guidance by the Mentor System.

The roles and responsibilities of mentor are

- The mentor keeps track of the student's attendance, academic performance, behavior and personal problems.
- The mentors contact parents if any student is on long leave without proper information.
- They keenly monitor the Internal Assessment Test marks and end-semester examination marks and guide them to score good marks in the end-semester examinations.

- Mentors meet the students periodically; they identify their problems and help the students to solve the problems.
- Students who are at the risk of dropout are counseled by the mentors by one to one meeting.
- Parents/Guardian of such students is consulted and together with the faculty, the problems of such students are analysed.
- If the problem is not solved, then it is brought to the Department Head and to the Head of the Institution.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
2155	297	7:1

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
297	281	16	16	13

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. S. Vinila Jinny	Associate Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr. R. Chitra	Associate Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr. A.M. AnushaBamini	Assistant Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr.R.Rajesh	Assistant Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr. R. Binthiya	Assistant Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Mr. G. Victor Jeya Chandra	Assistant Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Mrs. P. JebaSheeja	Assistant Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr. K. Uma Samundesvari	Associate Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr.G.M.Joselinherbert	Professor	Elite certificate of award for the successfully completing the NPTEL online course on 'Selection of Nanomaterials for Energy Harvesting and Storage Application'.
2019	Dr.N.Abilash	Associate Professor	Certificate of excellence and honour for outstanding staff achiever.
2019	Dr.B.Bindhu	Associate Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr.N.Santhi	Associate Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr.M.P.Flower Queen	Associate Professor	Elite Silver certificate of award for the

			successfully completing the NPTEL online course on Fundamentals of Electrical Engineering
2019	Dr.M.P.Flower Queen	Associate Professor	Elite Silver certificate of award for the successfully completing the NPTEL online course on Basic Electric circuits
2019	Dr.S.Anitha Janet Mary	Associate Professor	Elite certificate of award for the successfully completing the NPTEL online course on Basic Electric circuits
2019	Dr.S.Maria Celestin Vigila	Associate Professor	Elite NPTEL – AICTE FDP Funded by the Ministry of HRD, Govt. of India
2019	Dr.S.Maria Celestin Vigila	Associate Professor	Elite NPTEL – AICTE FDP Funded by the Ministry of HRD, Govt. of India
2019	Dr.S.Palanikumar	Associate Professor	Elite NPTEL – AICTE FDP Funded by the Ministry of HRD, Govt. of India
2019	Dr.S.Palanikumar	Associate Professor	Elite-SILVE Medal(NPTEL)NPTEL – AICTE FDP Funded by the Ministry of HRD, Govt. of India
2019	Dr. V.MaryAmala Bai	Associate Professor	Elite certificate award for the successfully completing the NPTEL online course
2019	Dr. T.Brindha	Associate Professor	Elite certificate award for the successfully completing the NPTEL online course
2019	Dr. T.V.Sindia	Assistant Professor	Elite certificate award for the successfully completing the NPTEL online course
2019	Dr. T.V.Sindia	Assistant Professor	Outstanding Academic Achiever award NIMS Medicity
2019	Dr.M.Sudha	Assistant Professor	Outstanding Academic Achiever award NIMS Medicity

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
B.E (Aeronautical Engineering)	AE22	03/02	11-12-2019	26-02-2020
	AE22	05/03	13-12-2019	26-02-2020
	AE12	07/04	12-12-2019	26-02-2020
	AE22	02/01	18-09-2020	28-10-2020
	AE22	04/02	09-09-2020	28-10-2020
	AE22	06/03	11-09-2020	28-10-2020
	AE12	08/04	19-08-2020	29-10-2020
BE (Aerospace Engineering)	AS22	03/02	14-12-2019	26-02-2020
	AS22	05/03	13-12-2019	26-02-2020
	AS12	07/04	16-12-2019	26-02-2020
	AS22	02/01	18-09-2020	28-10-2020
	AS22	04/02	09-09-2020	28-10-2020
	AS22	06/03	19-09-2020	28-10-2020
	AS12	08/04	19-08-2020	29-10-2020

BE (Automobile Engineering)	AM22	03/02	14-12-2019	26-02-2020
	AM22	05/03	13-12-2019	26-02-2020
	AM12	07/04	16-12-2019	26-02-2020
	AM22	02/01	18-09-2020	28-10-2020
	AM22	04/02	09-09-2020	28-10-2020
	AM22	06/03	19-09-2020	28-10-2020
	AM12	08/04	19-08-2020	29-10-2020
B.E (Biomedical Engineering)	BM22	03/02	14-12-2019	26-02-2020
	BM22	05/03	13-12-2019	26-02-2020
	BM12	07/04	16-12-2019	26-02-2020
	BM22	02/01	18-09-2020	28-10-2020
	BM22	04/02	09-09-2020	28-10-2020
	BM22	06/03	19-09-2020	28-10-2020
	BM12	08/04	19-08-2020	29-10-2020
BE (Civil Engineering)	CV22	03/02	14-12-2019	26-02-2020
	CV22	05/03	13-12-2019	26-02-2020
	CV12	07/04	16-12-2019	26-02-2020
	CV22	02/01	18-09-2020	28-10-2020
	CV22	04/02	09-09-2020	28-10-2020
	CV22	06/03	19-09-2020	28-10-2020
	CV12	08/04	19-08-2020	29-10-2020
B.E-(Computer Science Engineering)	CS22	03/02	06-12-2019	26-02-2020
	CS22	05/03	13-12-2019	26-02-2020
	CS12	07/04	09-12-2019	26-02-2020
	CS22	02/01	18-09-2020	28-10-2020
	CS22	04/02	09-09-2020	28-10-2020
	CS22	06/03	09-09-2020	28-10-2020
	CS12	08/04	19-08-2020	29-10-2020
BE (Electrical and Electronics Engineering)	EE22	03/02	14-12-2019	26-02-2020
	EE22	05/03	13-12-2019	26-02-2020
	EE12	07/04	16-12-2019	26-02-2020
	EE22	02/01	18-09-2020	28-10-2020
	EE22	04/02	09-09-2020	28-10-2020
	EE22	06/03	19-09-2020	28-10-2020
	EE12	08/04	19-08-2020	29-10-2020
BE (Electronics and Instrumentation Engineering)	EI22	03/02	14-12-2019	26-02-2020
	EI22	05/03	13-12-2019	26-02-2020
	EI12	07/04	16-12-2019	26-02-2020
	EI22	02/01	18-09-2020	28-10-2020
	EI22	04/02	09-09-2020	28-10-2020
	EI22	06/03	19-09-2020	28-10-2020
	EI12	08/04	19-08-2020	29-10-2020
BE (Marine Engineering)	MR22	03/02	14-12-2019	26-02-2020
	MR22	05/03	13-12-2019	26-02-2020
	MR12	07/04	16-12-2019	26-02-2020
	MR22	02/01	18-09-2020	28-10-2020
	MR22	04/02	09-09-2020	28-10-2020
	MR22	06/03	19-09-2020	28-10-2020
	MR12	08/04	19-08-2020	29-10-2020
B.E.(Mechanical Engineering)	ME22	03/02	21-01-2020	26-02-2020
	ME22	05/03	13-12-2019	26-02-2020
	ME12	07/04	16-12-2019	26-02-2020
	ME22	02/01	19-09-2020	28-10-2020
	ME22	04/02	23-09-2020	28-10-2020

	ME22	06/03	09-09-2020	28-10-2020
	ME12	08/04	20-08-2020	29-10-2020
B.Tech (Fire Technology and Safety)	FT22	03/02	14-12-2019	26-02-2020
	FT22	05/03	13-12-2019	26-02-2020
	FT12	07/04	12-12-2019	26-02-2020
	FT22	02/01	15-09-2020	28-10-2020
	FT22	04/02	05-09-2020	28-10-2020
	FT22	06/03	05-09-2020	28-10-2020
	FT12	08/04	20-08-2020	29-10-2020
	IT22	03/02	14-12-2019	26-02-2020
B.Tech (Information Technology)	IT22	05/03	12-12-2019	26-02-2020
	IT12	07/04	09-12-2019	26-02-2020
	IT22	02/01	18-09-2020	28-10-2020
	IT22	04/02	23-09-2020	28-10-2020
	IT22	06/03	09-09-2020	28-10-2020
	IT12	08/04	20-08-2020	29-10-2020
	NT22	03/02	21-01-2020	26-02-2020
B.Tech (Nano technology)	NT22	05/03	13-12-2019	26-02-2020
	NT12	07/04	16-12-2019	26-02-2020
	NT22	02/01	15-09-2020	28-10-2020
	NT22	04/02	04-09-2020	28-10-2020
	NT22	06/03	05-09-2020	28-10-2020
	NT12	08/04	20-08-2020	29-10-2020
	MS26	03/02	20-12-2019	26-02-2020
BBA (Bachelor of Business Administration)	MS26	05/03	08-11-2019	26-02-2020
	MS26	02/01	14-09-2020	29-10-2020
	MS26	04/02	12-09-2020	29-10-2020
	MS26	06/03	20-12-2019	26-02-2020
	CO16	03/02	20-12-2019	26-02-2020
B. Com (Bachelor of Commerce)	CO16	05/03	08-11-2019	26-02-2020
	CO16	02/01	14-09-2020	29-10-2020
	CO16	04/02	12-09-2020	29-10-2020
	CO16	06/03	20-12-2019	26-02-2020
	PT26	03/02	20-12-2019	26-02-2020
B.Sc. (Perfusion Technology)	PT26	05/03	20-12-2019	26-02-2020
	PT26	02/01	16-09-2020	28-10-2020
	PT26	04/02	08-09-2020	28-10-2020
	PT26	06/03	21-08-2020	28-10-2020
	CT26	03/02	20-12-2019	26-02-2020
B.Sc. (Cardiac care Technology)	CT26	05/03	20-12-2019	26-02-2020
	CT26	02/01	16-09-2020	28-10-2020
	CT26	04/02	08-09-2020	28-10-2020
	CT26	06/03	21-08-2020	28-10-2020
	DT26	03/02	20-12-2019	26-02-2020
B.Sc. (Renal Dialysis Technology)	DT26	05/03	20-12-2019	26-02-2020
	DT26	02/01	16-09-2020	28-10-2020
	DT26	04/02	08-09-2020	28-10-2020
	DT26	06/03	21-08-2020	28-10-2020
	FS26	03/02	20-12-2019	26-02-2020
B.Sc. (Forensic science)	FS26	05/03	20-12-2019	26-02-2020
	FS26	02/01	16-09-2020	28-10-2020
	FS26	04/02	08-09-2020	28-10-2020
	FS26	06/03	21-08-2020	28-10-2020
	BM26	03/02	20-12-2019	26-02-2020
B.Sc. (Human genetics and Molecular Biology)	BM26	05/03	20-12-2019	26-02-2020
	BM26	02/01	16-09-2020	28-10-2020
	BM26	04/02	08-09-2020	28-10-2020
	BM26	04/02	08-09-2020	28-10-2020

	BM26	06/03	21-08-2020	28-10-2020
M.E (Aeronautical Engineering)	AE25	01/01	31-01-2020	26-02-2020
	AE25	03/02	27-11-2019	26-02-2020
	AE25	02/01	15-09-2020	28-10-2020
	EC25	01/01	31-01-2020	26-02-2020
M.E(Communication Systems)	EC25	03/02	27-11-2019	26-02-2020
	EC25	02/01	15-09-2020	28-10-2020
	ME25	01/01	31-01-2020	26-02-2020
M.E (Computer Integrated Manufacturing)	ME25	03/02	27-11-2019	26-02-2020
	ME25	02/01	15-09-2020	28-10-2020
	CS25	01/01	31-01-2020	26-02-2020
M.E (Computer Science and Engineering)	CS25	03/02	27-11-2019	26-02-2020
	CS25	02/01	15-09-2020	28-10-2020
	IT25	01/01	31-01-2020	26-02-2020
M.E. (Cyber Security)	IT25	03/02	27-11-2019	26-02-2020
	IT25	02/01	15-09-2020	28-10-2020
	CV25	01/01	31-01-2020	26-02-2020
ME (Structural Engineering)	CV25	03/02	27-11-2019	26-02-2020
	CV25	02/01	15-09-2020	28-10-2020
	ME25	01/01	31-01-2020	26-02-2020
M.E.(Thermal Engineering)	ME25	03/02	27-11-2019	26-02-2020
	ME25	02/01	15-09-2020	28-10-2020
	AM25	01/01	31-01-2020	26-02-2020
M.E. (Automobile Engineering)	AM25	03/02	27-11-2019	26-02-2020
	AM25	02/01	15-09-2020	28-10-2020
	NT25	01/01	31-01-2020	26-02-2020
M.Tech. (Nanotechnology)	NT25	03/02	27-11-2019	26-02-2020
	NT25	02/01	15-09-2020	28-10-2020
	CA25	01/01	30-01-2020	26-02-2020
MCA (Master of Computer Applications)	CA25	03/02	29-01-2020	26-02-2020
	CA25	05/03	02-12-2019	26-02-2020
	CA25	02/01	16-09-2020	29-10-2020
	CA25	04/02	09-09-2020	29-10-2020
	CA25	06/03	21-08-2020	31-10-2020
MBA (Master of Business Administration)	MS25	03/02	20-12-2019	26-02-2020
	MS25	05/03	08-11-2019	26-02-2020
	MS25	02/02	14-09-2020	29-10-2020
	MS25	04/02	12-09-2020	29-10-2020
M. Sc (Software Engineering – Integrated Course)	SE8	09/05	19-12-2020	26-02-2020
	SE8	07/04	14-12-2019	26-02-2020
	SE28	05/03	29-01-2020	26-02-2020
	SE8	10/05	16-09-2020	29-10-2020
	SE8	08/04	29-09-2020	29-10-2020
	SE28	06/03	09-09-2020	29-10-2020
M.A. (English)	EG27	01/01	20-12-2019	26-02-2020
	EG27	03/02	08-11-2019	26-02-2020
	EG27	02/01	14-09-2020	29-10-2020
	EG27	04/02	12-09-2020	29-10-2020
M.Sc. (Physics)	PH27	01/01	20-12-2019	26-02-2020
	PH27	03/02	08-11-2019	26-02-2020
	PH27	02/01	14-09-2020	29-10-2020
	PH27	04/02	12-09-2020	29-10-2020
M.Sc. (Chemistry)	CH27	01/01	20-12-2019	26-02-2020
	CH27	03/02	08-11-2019	26-02-2020
	CH27	02/01	14-09-2020	29-10-2020
	CH27	04/02	12-09-2020	29-10-2020
M.Sc. (Mathematics)	MA27	01/01	20-12-2019	26-02-2020
	MA27	03/02	08-11-2019	26-02-2020

	MA27	02/01	14-09-2020	29-10-2020
	MA27	04/02	12-09-2020	29-10-2020
M.Phil (Physics)	PH24	01/01	20-12-2019	26-02-2020
	PH24	02/01	17-08-2020	06-11-2020
M.Phil. (Chemistry)	CH24	01/01	24-01-2020	26-02-2020
	CH24	02/01	17-08-2020	06-11-2020
M.Phil. (Mathematics)	MA24	01/01	24-01-2020	26-02-2020
	MA24	02/01	17-08-2020	06-11-2020
M.Phil.(English)	EG24	01/01	24-01-2020	26-02-2020
	EG24	02/01	17-08-2020	06-11-2020
M.Phil. (Business Administration)	MS24	01/01	24-01-2020	26-02-2020
	MS24	02/01	17-08-2020	06-11-2020
M.Phil. (Computer Science)	SE24	01/01	24-01-2020	26-02-2020
	SE24	02/01	17-08-2020	06-11-2020

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

***Do not include re-evaluation/ re-totalling**

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
NIL	NIL	NIL

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

Attached-Annexure I: <http://www.niuniv.com/IQAC/2019/ProgrammeOutcomes.pdf>

2.6.2 Pass percentage of students

Program me Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
AE12	B.E Aeronautical Engineering	16	15	93.75
AS12	B.E Aerospace Engineering	10	10	100
AC12	B.E Aircraft Maintenance Engineering	9	9	100
AM12	BE Automobile Engineering	28	26	93
BM12	B.E Biomedical Engineering	49	47	95.91
CV12	BE Civil Engineering	66	64	96.96
CS12	B.E-Computer Science and Engineering	14	13	93
EE12	B.E Electrical and Electronics Engineering	5	5	100
EC12	B.E Electronics and Communication Engineering	13	12	92.33
EI12	B.E Electronics and Instrumentation Engineering	14	14	100
MR12	B.E Marine Engineering	12	12	100
ME12	B.E.Mechanical Engineering	145	143	99
FT12	B.Tech Fire Technology and Safety	18	16	89
IT12	B.Tech Information Technology	2	2	100
NT12	B.Tech Nano technology	7	7	100
MS26	BBA Bachelor of Business Administration	15	12	80
CO16	B. Com Bachelor of Commerce	8	5	62.50
AE15	M.E Aeronautical Engineering	1	1	100
EC15	M.E Communication Systems	1	1	100
ME15	M.E Computer Integrated Manufacturing	3	3	100

CS15	M.E Computer Science and Engineering	5	5	100
CY15	M.E. Cyber Security	1	1	100
CV15	M.E Structural Engineering	14	14	100
ME15	M.E.Thermal Engineering	1	1	100
AM15	M.E. Automobile Engineering	1	1	100
NT15	M.Tech. Nanotechnology	2	2	100
CA25	MCA Master of Computer Applications	24	24	100
MS25	MBA Master of Business Administration	34	27	79.41
SE28	M. Sc Software Engineering –Integrated Course	7	6	85.71
EG27	M.A. English	4	3	75
PH27	M.Sc. Physics	21	21	100
CH27	M.Sc. Chemistry	3	3	100
MA27	M.Sc. Mathematics	4	4	100
PH24	M.Phil Physics	2	2	100
CH24	M.Phil. Chemistry	1	1	100
MA24	M.Phil. Mathematics	6	6	100
EG24	M.Phil. English	10	10	100
MS24	M.Phil. Business Administration	3	3	100
SE24	M.Phil. Computer Science	6	6	100
BM26	Bsc.Human genetics and Molecular Biology	19	19	100
FS26	Bsc.Forensic Science	20	20	100

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.niuniv.com/IQAC/2019/StudentSatisfactionSurvey.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	-	-	-	-
International	Dr. N Santhi	RULA Innovation and Betterment Excellence Award	26-01-2020	RULAS

3.1.2 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of fellowship	Funding agency
Project Fellow	20-12-2019 to 19-06-2021 1.5 years	TNSCST

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	2 years	TNSCST/S&T	3.31 Lakhs	2.18 Lakhs
	5 years	DST/SERB	24.58 Lakhs	3.08 Lakhs
Minor Projects	6 months	TNSCST/Student Project Scheme	0.075 Lakhs	0.075 Lakhs

Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University	-	-	-	-
Students Research Projects (other than compulsory by the University)	-	-	-	-
	-	-	-	-
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	27.965	5.335

3.3 Innovation Ecosystem

3.3.1 Teachers awarded National/International fellowship for advanced studies/ research during the year

National	-	-	-	-
International	Dr. N Santhi	RULA Innovation and Betterment Excellence Award	26-01-2020	RULAS

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
TNSCST-Student Project Scheme	Ajmal rasheed, Farook jalala, Rahul Krishnan. R. B	Tamil Nadu council For Science and Technology	18-3-2020	Students
Certificate of Reviewing	Dr. R. Ganapathi Raman	ELSEVIER (Superlattices and microstructures)	01-12-2019	Teacher

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
Nil	Nil	Nil
Name of the Start-up	Nature of Start-up	Date of commencement
Nil	Nil	Nil

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded
Aeronautical Engineering	1
Computer Science and Engineering	3
Electronics and Communication Engineering	2
Electrical and Electronics Engineering	4
English	1

Management studies	1
Maths	1
Mechanical Engineering	6
Nano Technology	1
Physics	3

3.4.2 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National	Mechanical Engineering	7	-
International	Automobile Engineering	15	1.2
	Electronics and Communication Engineering	32	3.7
	Electrical and Electronics Engineering	18	-
	Mechanical Engineering	21	-
	Aeronautical Engineering	2	-
	Marine Engineering	4	1
	Computer Science and Engineering	23	0.04
	English	07	-
	Nanotechnology	10	2.1
	Information Technology	27	1.152
	Mathematics	5	-
	Chemistry	06	-
	Fire Technology and Safety	05	-
	Computer Applications	48	-
	Management studies	22	-
	Electronics and Instrumentation Engineering	14	-

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
Electrical and Electronics Engineering	1
Electronics and Communication Engineering	4
Electronics and Instrumentation Engineering	4
Aeronautical Engineering	1
English	14
Information Technology	5
Nanotechnology	1
Computer Applications	1
Computer Science and Engineering	21

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
An Automated Methodology and System to Manage the Student Related Information Efficiently	Published	202041021480 A	05-06-2020
Bio Synthesized Gold Nano Formulation	Published	201941054705 A	10-01-2020
Design of Multidimensional Cartesian Gantry	Published	202041021483 A	05-06-2020

robotic systems for building construction						
Secure Data Outsourcing in Cloud environment and a method thereof		Published	202041019790 A		22-05-2020	
3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index						
Title of the paper		Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
	Name of the author					
Noise removal using various filters based on PSNR & MSE in fingerprint biometrics	Mohamed Khan H., Venkadesh P.	International Journal of Advanced Science and Technology	2019	0	NICHE	0
Research perspectives and state-of-the-art methods in photovoltaic microgrids	Thangam T., K M., Kazem H.A.	World Journal of Engineering	2019	1	NICHE	0
A comparative study of photo-neutron production from flattened and unflattened beams in a medical linear accelerator	Rajesh K.R., Musthafa M.M., Raj H., Joseph N., Ganapathi Raman R.	Indian Journal of Public Health Research and Development	2019	0	NICHE	0
Neuroprotective behaviour of Phyllanthus emblica (L) on human neural cell lineage (PC12) against glutamate-induced cytotoxicity	Rajalakshmi S., Vijayakumar S., Praseetha P.K.	Gene Reports	2019	3	NICHE	2
GABC based neuro-fuzzy classifier with hybrid features for ECG Beat classification	Muthuvel K., Anto S., Alexander T.J.	Multimedia Tools and Applications	2019	1	NICHE	0
In silico studies on CNR1 receptor and effective cyanobacterial drugs: Homology modelling, molecular docking and molecular dynamic simulations	Manogar P., Vijayakumar S., Rajalakshmi S., Pugazhenth M., Praseetha P.K., Jayanthi S.	Gene Reports	2019	3	NICHE	1
Evaluation of antioxidant and cytotoxic activity of marine red alga scinaia furcellata (Turner) j.agardh	Sornalakshmi V., Tresina P.S., Paulpriya K., Mohan V.R.	International Journal of Advanced Science and Technology	2019	1	NICHE	0
Evaluating the performance metrics of different machine learning classifiers by combined feature extraction method in Alzheimer's disease detection	Dinu A.J., Ganesan R., Kumar S.S.	International Journal of Emerging Trends in Engineering Research	2019	4	NICHE	2
Liver segmentation techniques of CT images for clinical diagnosis	Anusha Linda Kostka J.E., Vinila Jinny S.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Vertex and edge padmakar-ivan indices of unitary cayley graphs	Philipose R.S., Balakrishnan S.P.	Missouri Journal of Mathematical Sciences	2019	0	NICHE	0
Brain tumor detection and	Aswathy S.U., Glan	Cluster Computing	2019	5	NICHE	2

segmentation using a wrapper based genetic algorithm for optimized feature set	Devadhas G., Kumar S.S.					
Segmentation of chondroblastoma from medical images using modified region growing algorithm	Anshad P.Y.M., Kumar S.S., Shahudheen S.	Cluster Computing	2019	2	NICHE	0
Intelligent fuzzy enabled malicious node identification on routing and certificate authority oriented secure communication over wireless ad-hoc network	Rajkumar K., Jeyakumar M.K.	International Journal of Advanced Science and Technology	2019	0	NICHE	0
Demanding energy efficient mobile computational offloading scheme using machine learning approach	Anoop S., Amar Pratap Singh J.	International Journal of Advanced Science and Technology	2019	0	NICHE	0
An autonomous res based system to improve power quality using DVR with ANN controller technique	Bindhu V.S., Regis Prabha D.M.M.S.	Journal of Green Engineering	2019	0	NICHE	0
Design and analysis of 32-bit reverse converter based on low power parallel prefix adder	Daphni S., Vijula Grace K.S.	International Journal of Engineering and Advanced Technology	2019	0	NICHE	0
Multi-objective based adaptive meta-heuristic algorithm for optimal multicast route selection in wireless ad-hoc network	Rajkumar K., Jeyakumar M.K.	International Journal of Engineering and Advanced Technology	2019	2	NICHE	1
Assessment on divergent reinforced polymeric composites of natural fiber	Albert Seldon P., Abilash N.	International Journal of Mechanical and Production Engineering Research and Development	2019	0	NICHE	0
A novel selected subcarrier method for digital video broadcasting	Chandra Kala K., Jaya Kumari J., Sreeja T.K.	International Journal of Engineering and Advanced Technology	2019	0	NICHE	0
Detection of surface coating defects using fuzzy C-means clustering with firefly optimization	Aslam Y., Santhi N., Ramasamy N., Ramar K.	International Journal of Engineering and Advanced Technology	2019	1	NICHE	1
Secure data replication management scheme with better data accessibility	Jayalekshmi M.B., Krishnaveni S.H.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Applying empirical thresholding algorithm for a keystroke dynamics based authentication system	Venugopal P.C., Viji K.S.A.	Journal of Information and Communication Technology	2019	6	NICHE	4
Amino acid composition of wild yam (<i>Dioscorea</i> spp.)	Doss A., Tresina P.S., Mohan V.R.	Food Research	2019	2	NICHE	1
An experimental research on the effect of biopolymers and nano materials on cohesive soil	Veena V.L., Prakash Arul Jose J., Vijayan A.	International Journal of Engineering and Advanced Technology	2019	0	NICHE	0
Durability properties of modified self compacting	Frank Stephen S., Chockalingam M.P.,	International Journal of Engineering and	2019	0	NICHE	0

concrete with recycled concrete aggregate	Nalanth N.	Advanced Technology				
An experimental study on surface modifier assisted exfoliation of molybdenum disulphide in a mixed solvent	Sreekumar K., Bindhu B., Veluara K., Reena V.L.	Rasayan Journal of Chemistry	2019	2	NICHE	1
Microstructure and mechanical properties of hot extruded mg-3zn-1cu-0.7mn alloy produced by powder metallurgy	Silan Tharakan S., Sivapragash M., Suneesh E.	International Journal of Mechanical and Production Engineering Research and Development	2019	0	NICHE	0
Transparent ZnO thin films grown by RF magnetron sputtering for opto-electronic applications	Divya G., Gangadhar L., Kumar K.S.	International Journal of Advanced Science and Technology	2019	0	NICHE	0
A brief review on synthesis of metal oxide based nano-composites and their photocatalytic applications	Sasikanth S.M., Ganapathi Raman R.	International Journal of Advanced Science and Technology	2019	0	NICHE	0
Retinal fundus image research for diagnosis of diabetic maculopathy	Thomas J., Angel Viji K.S.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Evaluation of bactericidal activity of garcinia gummi-gutta and gymnema sylvestre-a plant of ethano medicinal importance	Vibala B.V., Praseetha P.K.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Evaluation of rules and regulation of construction and demolition waste management (CDWM) in India	Rema R., Nalanth N.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
U-slot patch antenna using space reduction optimization	Subramanian P., Sujatha Therese P.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Research on self compacting geopolymer concrete	Thavasumony D., Nalanth N.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Optimized fuzzy based malicious node detection on routing and certificate authority based secure communication in wireless Ad-HOC network	Rajkumar K., Jeyakumar M.K.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
A research on automation diagnosis of pattern recognition in stained HEP-2 cells	Manju C.C., Victor Jose M.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
A research on breast cancer prediction using data mining techniques	Preetha R., Vinila Jinny S.	International Journal of Innovative Technology and Exploring Engineering	2019	6	NICHE	4
Malicious node detection on routing via certificate authority and optimal fuzzy for wireless ad-hoc network	Rajkumar K., Jeyakumar M.K.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Impact of resistive open faults	Gangaiah Yadav C.,	International Journal	2019	0	NICHE	0

on inverter chain and 7t sram	Vijula Grace K.S.	of Recent Technology and Engineering				
Encryption techniques to ensure data confidentiality in cloud	Reena Catherine V., Shajin Nargunam A.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Perception of customers towards employees in organised retail sector	Nair S.K., Chandrachoodan Nair B.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
A relative method of video coding using different wavelets with SPIHT	Nithin S.S., Suresh L.P.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Effect of Mn3O4 on the dielectric characteristics of Cdo-Mn3O4 nanocomposites	Sagi Rani C., Joseph John N.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Centroid distance neighbourhood features and genetic algorithm optimization for leaf disease detection	Swapna C., Shaji R.S.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Medicinal Implication of Syzygium Cumini Nut on the Growth of Brushite Crystals	Bindhu B., Veluraja K.	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2019	2	NICHE	1
Non linearity mitigation and dispersion reduction using Busgang theorem, modified MSE and improved MLE equalizers	Mathews A.B., Glan Devadhas G.	Microprocessors and Microsystems	2019	3	NICHE	1
Detection of duplicated data with minimum overhead and secure data transmission for sensor big data	Beulah S., Dhanaseelan F.R.	Cluster Computing	2019	5	NICHE	3
Performance of spatial frequency discrete wavelet transform based remote sensing image fusion algorithm	Joy J., Santhi N., Jayamohan S., Ramar K.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Effect of resampling on the performance and execution speed of adaptive marginalized particle filter	Jayamohan S., Santhi N., Joy J., Ramar K.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
An effect of stress relieving on the microstructural and mechanical properties of Mg-3Zn-1Cu-0.7Mn/ AL2O3 composite: Synthesized By Powder Metallurgy	Silan T.S., Sivapragash T., Suneesh E.	International Journal of Mechanical and Production Engineering Research and Development	2019	0	NICHE	0
Point biserial correlated feature selection of weather data	Pooja S.B., Siva Balan R.V.	International Journal of Engineering and Advanced Technology	2019	0	NICHE	0
A secure boot loader system for loading an operating system	Sebastian A., Siva Sankar K.	International Journal of Innovative	2019	0	NICHE	0

with fingerprint authentication		Technology and Exploring Engineering				
Random Bit Extraction for Secret Key Generation in MANETs	Shibu K.R., Suji Pramila R.	Wireless Personal Communications	2019	2	NICHE	1
A research on detection and classification of breast cancer using k-means gmm & CNN algorithms	Shamy S., Dheeba J.	International Journal of Engineering and Advanced Technology	2019	2	NICHE	1
Mechanical properties of concrete and hollow concrete blocks containing steel and nylon fibres	Sunil J., Ravikumar M.S.	International Journal of Engineering and Advanced Technology	2019	0	NICHE	0
Time conserving multi-label classification system by incorporating pyramid data structure	Jeyasheela Y., Krishna Veni S.H.	International Journal of Engineering and Advanced Technology	2019	0	NICHE	0
Metallic surface coating defect detection using firefly based adaptive thresholding and level set method	Aslam Y., Santhi N., Ramasamy N., Ramar K.	International Journal of Innovative Technology and Exploring Engineering	2019	3	NICHE	0
A novel text to speech technique for tamil language using hidden Markov models (HMM)	Femina Jalin A., Jaya Kumari J.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
A novel feature descriptor for automatic change detection in remote sensing images	Dalmiya C.P., Santhi N., Sathyabama B.	Egyptian Journal of Remote Sensing and Space Science	2019	10	NICHE	6
A methodological review on attack and defense strategies in cyber warfare	Shaji R.S., Sachin Dev V., Brindha T.	Wireless Networks	2019	6	NICHE	3
Identification and molecular phylogenetic relationship of selected medicinal plants-ethano medicinal importance	Gangadhar L., Praseetha P.K.	Indian Journal of Public Health Research and Development	2019	2	NICHE	1
Evaluating the biological potential of phyto-compounds from Myristica fragrans Seeds	Vibala B.V., Praseetha P.K.	Indian Journal of Public Health Research and Development	2019	0	NICHE	0
Trusted detection of ransom ware using machine learning algorithms	Shemitha P.A., Dhas J.P.M.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Attaining fluency in the language classroom at college level	Jeya Gowri K., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
PSO research on cutting parameters in AWJM process for aluminum 6061 alloy	Jai Aultrin K.S., Dev Anand M., Rajesh R., Muthu Sherin S.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Prediction of EDM process parameters for aisi 1020 steel using RSM, GRA and ANN	Rajesh R., Dev Anand M.	International Journal of Recent Technology and Engineering	2019	5	NICHE	3
Targeting communicative competence through poetry as a	Deepa P., Ilankumaran M.	International Journal of Recent	2019	0	NICHE	0

tool		Technology and Engineering				
A research on wind tunnel on drag reduction in aircraft wing by inducing surface roughness	Janardhanan R.I., Rajendran A.R., Anand D., Prakash	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Plickers: A tool for language assessment in the digital age	Jinu R., Shamna Beegum S.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Linear program boosting classification with remote sensed big data for weather forecasting	Pooja S.B., Siva Balan R.V.	International Journal of Advanced Trends in Computer Science and Engineering	2019	3	NICHE	1
Analysis of photo neutron production from the patient during radiotherapy treatment using CR 39 SSNTD	Rajesh K.R., Ganapathi Raman R.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Analysis of photo neutron dose to patient from a 15 MV linear accelerator	Rajesh K.R., Ganapathi Raman R.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Preparation and characterization of few layered mos2 nano flakes	Gopika M.S., Bindhu B.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Denoising in magnetic resonance images using improved gaussian smoothing technique	Wilson B., Dhas J.P.M.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Secured storage of big data in cloud	Reena M.J., Shajin Nargunam A.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Preprocessing big data for efficient storage and research	Reena M.J., Shajin Nargun A.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Flipped classroom: A paradigm shift in english language teaching	Rakesh Babu M., Vivekha S.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Quotient square sum cordial labeling	Selvarajan T.M., Raveendran S.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Synthesis and characterization of graphene quantum dots from turmeric powder (Berberis aristata) and its biomedical applications	Anooj E.S., Suganthi V., Praseetha P.K.	Indian Journal of Public Health Research and Development	2019	0	NICHE	0
Evaluating the biological applications of Myristica fragrans seeds for bactericidal and cytotoxic effects	Vibala B.V., Suganthi V., Praseetha P.K.	Indian Journal of Public Health Research and Development	2019	1	NICHE	0
Enhancement in segmentation of brain tumors on MRI using region growing algorithm	Shiny K.V., Sugitha N., Swaminathan B., Bhuvaneswaran B.	Indian Journal of Public Health Research and Development	2019	0	NICHE	0
Video coding of various	Nithin S.S., Padma	International Journal	2019	0	NICHE	0

decomposition with encoding techniques	Suresh L.	of Recent Technology and Engineering				
Behaviour of self compacting concrete columns with recycled brick aggregates	Sivamalar C., Nalanth N., Dhanalakshmi K.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Machine learning approaches used for prediction in diverse fields	Babu I., Siva Balan R.V., Mathai P.P.	International Journal of Recent Technology and Engineering	2019	4	NICHE	2
ANN based improved regenerative braking system on pv/battery powered electric vehicles with single stage interaction converter	Jambulingam S., Mary Synthia Regis Prabha D.M.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Trusted secure routing for mobile adhoc networks using hybrid trust model	Anugraha M., Krishnaveni S.H.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Optimization of cutting parameters in hard turning of OHNS steel	Raj A., Leo Dev Wins K., Dev Anand M.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Mathematical modelling and volume prediction of metal melted by electron beam welding in copper and stainless steel 304 dissimilar metal joints	Ajith Raj R., Dev Anand M., Ramabalan S.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Intelligence decision making of fault detection and fault tolerances method for industrial robotic manipulators	Sivasamy D., Dev Anand M., Anitha Sheela K.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Multi-objective optimization of AWJM of lead tin alloy by GRA	Dev Anand M., Jai Aultrin K.S., Ramanan G., Neela Rajan R.R.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Occupational hazards of cashew workers in Kerala	Kinslin D., Jaya Kumar D.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Robot forward and inverse kinematics research using matlab	Sivasamy D., Dev Anand M., Anitha Sheela K.	International Journal of Recent Technology and Engineering	2019	1	NICHE	0
Scheduling schemes in dynamic multilevel packet scheduling in WSN	Priscilla Joy R., Dheeba J.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Hollow beams strengthened with steel fibres and FRP wrapping	Jeyakumar A., Ravikumar M.S., Nalanth N.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Joint behavior of self compacting concrete using recycled concrete aggregate and hybrid steel fibers	Frank Stephen S., Chockalingam M.P., Nalanth N.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Research on photo neutron dose to patient by (n, p) reaction from a 15 MV linear	Rajesh K.R., Raman R.G.	International Journal of Recent Technology and	2019	0	NICHE	0

accelerator		Engineering				
Wiener and hyper-wiener indices of unitary addition cayley graphs	Thilaga C., Sarasija P.B.	International Journal of Recent Technology and Engineering	2019	3	NICHE	2
Retinal exudates detection using binary operation and hard exudates classification using support vector machine	Pradeep A., Joseph X.F.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Fpga based random pulse width modulation for three phase VSI	Sreeja P., Padmasuresh L., Muthukumar P.	International Journal of Recent Technology and Engineering	2019	2	NICHE	1
An enhanced genetic algorithm for assembly planning	Dev Anand M., Kumanan S., Girish R.R., Selvaraj T., Asokan P.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Growth and characterization of organic material 3,4,5-trimethoxybenzaldehyde single crystal for optical applications	Jebin R.P., Suthan T., Rajesh N.P., Vinitha G.	Optics and Laser Technology	2019	5	NICHE	3
Investigation on temperature distribution during friction stir welding of dissimilar magnesium alloys	Unnikrishnan M.A., Edwin Raja Dhas J.	International Journal of Mechanical and Production Engineering Research and Development	2019	0	NICHE	0
Effect of clock gating in conditional pulse enhancement flip-flop for low power applications	John K., Vinod Kumar R.S., Kumar S.S.	Indonesian Journal of Electrical Engineering and Informatics	2019	1	NICHE	0
Quantum chemical calculations of 3-methoxybenzonitrile for NLO applications	Sugirtha Suni N.Y., Ganapathi Raman R.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
A green approach to sustainable energy using quantum dots	Gangadhar L., Praseetha P.K.	International Journal of Recent Technology and Engineering	2019	2	NICHE	1
A novel building detection technique using image descriptor CPMID in urban area	Singarayan K., Kamalam J.M.	International Journal of Intelligent Engineering and Systems	2019	0	NICHE	0
Energy based wavelet and multilevel classifier for efficient leaf recognition	Swapna C., Shaji R.S.	International Journal of Engineering and Advanced Technology	2019	0	NICHE	0
Intensity index based histogram equalization technique for retinal image enhancement and classification of hard exudates using supervised learning	Pradeep A., Joseph X.F.	International Journal of Engineering and Advanced Technology	2019	1	NICHE	0
Highly accurate emergency vehicle management for multiple path using support vector machine based predictor	Jose C., Vijula Grace K.S., Asha Beaula C.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Research on murmur from time domain features of heart sounds	Careena P., Mary Synthuja Jain Preetha M., Arun P.	International Journal of Recent Technology and	2019	2	NICHE	0

		Engineering				
XSS attack prevention over code injection vulnerabilities in web applications	Joylin Bala K., Babu Raj E., Anusha Bamini A.M.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Spatial frequency discrete wavelet transform image fusion technique for remote sensing applications	Jinju J., Santhi N., Ramar K., Sathya Bama B.	Engineering Science and Technology, an International Journal	2019	17	NICHE	12
Learning strategies for cognitive development to enhance the speaking skills in second language	Sreena S., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	11	NICHE	8
Paradigms of second language acquisition: A neurolinguistic perspective	Delbio A., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	9	NICHE	7
An in-depth study on the application of Gum Arabic: A biopolymer	Nair R.M., Bindhu B.	International Journal of Recent Technology and Engineering	2019	2	NICHE	0
Transmitting antenna number optimization for smart base station using per cell spectral efficiency analysis	Rajesh K.P., Mary Synthuja Jain Preetha M.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
A Review on friction stir spot welding joints of dissimilar aluminium alloys	Anton Savio Lewise K., Edwin Raja Dhas J.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Acquiring second language skills through programmed instruction: A study	Abdul Majeed C.T., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Language teaching through pedagogic model of CBI: An overview with reference to secondary level students	Vinita V.J., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	10	NICHE	7
The basic principles of speaking techniques: A study based on the types of performances in a classroom	Sreena S., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	11	NICHE	9
The effects of reinforced learning in language acquisition and cognitive process: A study	Alamelu G., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	12	NICHE	10
PV system simulation using various incremental algorithms applied in maximum power point tracking: A Comparative Study	Dev Anand M., Ramasamy N.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Racial discourse in bluest eye and god help the child	Jinu R., Soman C.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Defeating Endosulfan, the Behemoth and Coca-Cola, the Giant: Life narrative as environmental justice	Jinu R., Scaria D.M.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
A comprehensive review on alginates	Sreekumar K., Bindhu B.	International Journal of Recent	2019	0	NICHE	0

		Technology and Engineering				
A portrait of ruined and devastated tribal life in Rajam Krishnan's when the kuringji blooms	Jinu R., Suganth R.S.	International Journal of Recent Technology and Engineering	2019	3	NICHE	1
Complete cototal domination number of certain graphs	Uma Samundesvari K., Maria Regila Baby J.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Analysis of per cell spectral efficiency parameters for smart base station controller	Rajesh K.P., Preetha M.M.S.J.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Empowering the learners with second language skills through psychological aspects	Delbio A., Ilankumaran M., Abilasha R.	International Journal of Recent Technology and Engineering	2019	9	NICHE	6
Theoretical investigations on the structural, vibrational and optical properties of 3-Bromo-4-Methyl Benzonitrile	Sugirtha Suni N.Y., Ganapathi Raman R., Guru Prasad L.	International Journal of Recent Technology and Engineering	2019	1	NICHE	0
Einstein operations of intuitionistic fuzzy matrices	Selvarajan T.M., Sriram S., Ramya R.S.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
RNBeads 2.0: Comprehensive analysis of DNA methylation data	Lafta M.H., Gangadhar L.	Annals of Tropical Medicine and Public Health	2019	72	NICHE	69
Neurolinguistic factors in English language learning: A cognitive based study	Sajna Beevi S., Abilasha R., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	11	NICHE	8
A review robot fault diagnosis Part II qualitative models and search strategies	Sivasamy D., Dev Anand M., Anitha Sheela K.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Measured aerodynamic coefficients of without and with spiked blunt body at Mach 6	Kalimuthu R., Mehta R.C., Rathakrishnan E.	Advances in Aircraft and Spacecraft Science	2019	1	NICHE	0
Extraction methods and computational approaches for evaluation of antimicrobial compounds from Capparis zeylanica L	Arulmozhi P., Vijayakumar S., Praseetha P.K., Jayanthi S.	Analytical Biochemistry	2019	4	NICHE	1
Cascaded biometric system based on fingerprint and retina for user identity recognition	Sasikala T.S., Siva Sankar K.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
A heuristic research of the designing and evaluation of energy efficiency using dynamic vm consolidation in green cloud data centres	Sajitha A.V., Subhajini A.C.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Synthesis and characterization of graphene quantum dots from nutmeg seeds and its biomedical application	Anooj E.S., Praseetha P.K.	International Journal of Recent Technology and Engineering	2019	7	NICHE	3

Semiconductor quantum dots for performance improvement in solar cells	Gangadhar L., Rajan A., Praseetha P.K.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Enhanced spectral efficiency for 5G massive MIMO system	Rajesh K.P., Mary Synthuja Jain Preetha M.	International Journal of Innovative Technology and Exploring Engineering	2019	1	NICHE	0
VLSI based low power multiply accumulate unit employing kogge stone adder with modified pre-processing and post-processing stages	Rakesh S., Grace K.S.V.	International Journal of Engineering and Advanced Technology	2019	2	NICHE	1
Comparison of classifier strength for detection of retinal hemorrhages	Sreeja K.A., Kumar S.S.	International Journal of Innovative Technology and Exploring Engineering	2019	3	NICHE	1
Evaluation of laterite soil stabilized using polymer sack fibers	Menon J., Ravikumar M.S.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Modified han carlson adder based multiply accumulate unit for low power digital signal processor	Rakesh S., Vijula Grace K.S.	International Journal of Innovative Technology and Exploring Engineering	2019	1	NICHE	0
Improved least mean square algorithm for 5G signals in microwave-phonic link	Mathews A.B., GnanDevadhas G.	International Journal of Engineering and Advanced Technology	2019	2	NICHE	0
An effective automatic detection of lung tumor based on novel optimized chan-vee algorithm	Seelan L.J., Padma Suresh L.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
A novel biometric authentication system using keystroke dynamics and optimized multilayer perceptron neural network	Priya C.V., Angel Viji K.S.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
A novel design of synchronous counter for low power and high-speed applications	John K., Vinod Kumar R.S., Kumar S.S.	International Journal of Engineering and Advanced Technology	2019	8	NICHE	4
In vitro cytotoxic and anti – cancer studies of polyvinyl alcohol mediated 5fluorouracil conjugated gold nanoparticles	Rajan A., Praseetha P.K., Ariharan V.N., Gopu Kumar S.T.	International Journal of Recent Technology and Engineering	2019	1	NICHE	0
Amassed simulation edification of modelsim and MATLAB by using third harmonic injected sine PWM generation with inverted sine carrier for three phase inverter	Sreeja P., Padmasuresh L., Muthukumar P.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Robust multi-view videos face recognition based on particle filter with immune genetic algorithm	Kumar R.M.S.	IET Image Processing	2019	3	NICHE	1
Characterization, wear surface	Ramanan G., Suresh	Materials Research	2019	10	NICHE	7

roughness and tensile failure analysis of Al7075-TiC-MoS2 hybrid composites using online acoustic emission	S., Rajesh Prabha N., Edwin Raja Dhas J.	Express				
Iterative gradient ascent expected maximization clustering for weather forecasting	Pooja S.B., Siva Balan R.V.	International Journal of Recent Technology and Engineering	2019	3	NICHE	1
E-anfis to diagnose the progression of chronic kidney disease	Subhashini R., Jeyakumar M.K.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Low power VLSI design of a modified brent kung adder based multiply accumulate unit for reverb engines	Rakesh S., Vijula Grace K.S.	International Journal of Recent Technology and Engineering	2019	1	NICHE	0
Efficient multi-objective particle swarm optimisation based ranking system for cloud service selection	Kunhambu D.V., Balan R.V.S.	IET Communications	2019	6	NICHE	3
Analysis of mechanical strength of processed aluminum laminates	Aniber Benin M., Stanly Jones Retnam B., Edwin Sahayaraj M.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Vehicular ad hoc network as a supplementary cellular tower by using open BTS	Tripathi V.K., Venkateswari S.	Journal of Computational and Theoretical Nanoscience	2019	0	NICHE	0
Optimization of aerodynamic parameters of cropped delta wing with fence at sonic Mach number	Arun M.P., Satheesh M., Edwin Raja Dhas J.	Journal of Computational and Theoretical Nanoscience	2019	1	NICHE	0
An investigation study on clustering and classification techniques for weather forecasting	Pooja S.B., Siva Balan R.V.	Journal of Computational and Theoretical Nanoscience	2019	3	NICHE	1
Parallelization of jump flood-cut method in shared memory multicore systems	Sajan P.P., Kumar S.S.	Journal of Computational and Theoretical Nanoscience	2019	0	NICHE	0
Resistive open fault and detection methods for low power nanometric integrated circuits	Gangaiah Yadav C., Vijula Grace K.S.	Journal of Computational and Theoretical Nanoscience	2019	0	NICHE	0
A novel modeling of quantum dot sensitized solar cells	Gangadhar L., Praseetha P.K.	Journal of Computational and Theoretical Nanoscience	2019	4	NICHE	2
Quality of service aware resource allocation using hybrid opposition-based learning-artificial bee colony algorithm	Shameer A.P., Subhajini A.C.	Journal of Computational and Theoretical Nanoscience	2019	2	NICHE	1
Study of the influence of steel fibres on the behaviour of hollow beams	Jeyakumar A.	International Journal of Civil Engineering and Technology	2019	0	NICHE	0
Morphological and comparative characterization of silk/bamboo fiber reinforced epoxy composite	Subash S., Stanly Jones Retnam B., Edwin Raja Dhas J., Sivapragash M.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
An enhanced image dehazing	Prakash A.J.,	Journal of	2019	0	NICHE	0

method for the application in urban computing	Christopher F.	Computational and Theoretical Nanoscience				
Investigation on microstructural examination of flux bounded TIG weldments in post weld heat treated state	Skariya P.D., Satheesh M., Edwin Raja Dhas J., Chandrasekar G.	Journal of Computational and Theoretical Nanoscience	2019	1	NICHE	0
Quantum dot-sensitized solar cells via integrated experimental and modeling study	Gangadhar L., Kannan A., Praseetha P.K.	Journal of Computational and Theoretical Nanoscience	2019	4	NICHE	2
A pharmacoinformatic approach on Cannabinoid receptor 2 (CB2) and different small molecules: Homology modelling, molecular docking, MD simulations, drug designing and ADME analysis	Vijayakumar S., Manogar P., Prabhu S., Pugazhenth M., Praseetha P.K.	Computational Biology and Chemistry	2019	4	NICHE	3
Indian tribal issues and counteractions in select Indian writings	Jinu R., Suganth R.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	2	NICHE	1
Visual feature segmentation image of gastric cancer in chromo endoscopic images using islic & srm model	Ravindran Z., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Risk in an influence of web development success on the execution of business strategies	Salinda Eveline Suniram A., Charles J.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Nitro type: Cascading information through gamification to enhance the communication skills of learners	Jinu R., Beegum S.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Features of aestheticism in terry Mcmillan's mama: A cultural analysis	Jinu R., Soman C.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Subaltern modernity in context: The politics of land in the life narrative of seleena prakkanam	Jinu R., Scaria D.M.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Concussion of socio-economic deportment in bhabani bhattacharya's he who rides a tiger	Bindhu V.S., Ahalya T.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Investigation study on secured data communication on 5G cellular networks	Haripriya M.P., Venkadesh P.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Einstein operations on pythagorean fuzzy matrices	Selvarajan T.M., Ramya R.S.	Advances in Mathematics: Scientific Journal	2019	0	NICHE	0
A novel method for CBIR using SVM classifier with multi features	Binisha Rose J., Santhi N.	Journal of Advanced Research in Dynamical and Control Systems	2019	1	NICHE	0
Early detection of alzheimer's disease using predictive k-nn instance based approach and t-	A.j. D., R G.	International Journal of Advanced Trends in Computer	2019	5	NICHE	3

test method		Science and Engineering				
Fault identification for steam boiler tube leakage in thermal power stations using data outlier	Ramanujam N., Kumar R.M.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Multi-authority based data fragment technique for secure storage and sharing in cloud computing	Rajeswari S., Kalaiselvi R.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
A study on the usage of social media sites among college students in Tamilnadu	Meena Zenith N., Radhika R.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
A weight based improved double threshold cooperative spectrum sensing for cognitive radio networks	Sumi M.S., Ganesh R.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Analysis of cost estimation model for cost drivers in web application techniques	Salinda Eveline Suniram A., Charles J., Jeyan J.P., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Prewitt texture filter synthesis for efficient image occlusion removal to visualize hidden objects	Arun P.L., Kumar M.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
A survey on methodology based medical image segmentation techniques and their applications	Shanila N., Vinod Kumar R.S., Ramya Ravi R.	Journal of Advanced Research in Dynamical and Control Systems	2019	2	NICHE	1
A review - Studies on heat treatment of laser beam welded Ti, /Al dissimilar sheet metals	Chandran S., Rajesh R., Anand M.D.	Journal of Advanced Research in Dynamical and Control Systems	2019	2	NICHE	0
Medical image protection using diffusion, substitution and reversible data hiding based on prediction	Mancy L., Vigila S.M.C.	International Journal of Security and Networks	2019	0	NICHE	0
Societal evils in contemporary India from Chetan Bhagat's perspective in revolution 2020	RakeshBabu M., Titus Livingston E.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Opting web services based on selective trust, quality and associative branching in cloud service recommendations	Dileep V.K., Balan R.V.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Appraisal on mechanical possessions of crossbreed natural fiber strengthened polyamide amalgams	Seldon P.A., Abilash N.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Development of optimized EDM parameters for LM25 aluminium composite using prediction tool	Rajesh R., Muhammedshafi N., Mohammed A., Jishnu R., Shihab S., Chandran S.B.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Retrospective study on weld bead profile study of various welding process	Jose P.J., Anand M.D., Rishad S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
A study of human resource development practices and	Gopinadh N.S., Radhika R.	Journal of Advanced Research in	2019	0	NICHE	0

patient care quality in health care services with special reference to government hospitals in Thiruvananthapuram district		Dynamical and Control Systems				
An overview on the role of government of India in health care sector	Gopinadh N.S., Radhika R.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Adaptive neuro fuzzy controllers for automatic generation control of power system	Menaka D., Khan A.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
A review on fundamentals of social media marketing and its strategies	Zenith N.M., Radhika R.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Sparse coding strategies and sparse dictionary learning	Sujithra M.S., Sugitha N.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	1
Effect of short fibre orientation on the mechanical characterization of a composite material-hybrid fibre reinforced polymer matrix	Raja D.B.P., Retnam B.S.J.	Bulletin of Materials Science	2019	4	NICHE	1
Design of conditional pulse enhancement flip-flop embedded with clock gating and signal feed-through mechanism	John K., Kumar V.R.S., Kumar S.S.	Journal of Engineering Science and Technology	2019	5	NICHE	4
Novel adaptive segmentation based forgery detection method	Dhanya R., Kalai Selvi R.	Journal of Computational and Theoretical Nanoscience	2019	0	NICHE	0
Circumstantial exploration on trust management perspectives in mobile adhoc networks	Thebiga M., Suji Pramila R.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Software defined networking controller (Sdnc): Survey	Noora V.T., Jinny V.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Comparison of skin lesion segmentation methods	Binu Sathiya S., Kumar S.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Retinal abnormalities in prodromal stage detection of alzheimer's disease: A review	Das N.S., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Color-texture based feature modeling for content based image retrieval	Ranjith V.G., Jeyakumar M.K., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Weather data and its future selection using principal component regression technique	Pooja S.B., Siva Balan R.V.	Journal of Advanced Research in Dynamical and Control Systems	2019	3	NICHE	2
Assessment of the cloud intrusion detection system: A	Varghese M., Jose M.V.	Journal of Advanced Research in	2019	0	NICHE	0

survey		Dynamical and Control Systems				
Computational analysis and detection of diabetic maculopathy in retinal images	Thomas J., Viji A.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Methylene blue adsorption from aqueous solution using activated carbon – A review	Praseetha P.K., Krishnaveni M.V.	Research Journal of Chemistry and Environment	2019	0	NICHE	0
AFM-SVM technique for clinical decision making	Subhashini R., Jeyakumar M.K.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Experimentation and weld parameter optimisation using grey fuzzy analysis	Satheesh M., Edwin Raja Dhas J.	International Journal of Industrial and Systems Engineering	2019	1	NICHE	0
Image clustering and retrieval using LTCOP similarity measures	Alan Gowri Phivin V., Subhajini A.C.	International Journal of Engineering Research and Technology	2019	0	NICHE	0
Time conserving CBIR system for fabric images based on color and texture features	Alan Gowri Phivin V., Subhajini A.C.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Network-conscious VM placement for energy efficiency in green data centres through dynamic VM consolidation	Sajitha A.V., Subhajini A.C.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Optimal design and analysis of various shapes micro-strip antenna's using evolutionary algorithms	Subramanian P., Therese P.S.	International Journal of Engineering Research and Technology	2019	0	NICHE	0
Shielding effectiveness of aluminium sheet for radiation hazard from cell towers	Thulasi D.V., Shanthi S.A.	International Journal of Innovative Technology and Exploring Engineering	2019	0	NICHE	0
Computer aided diagnosis of lung tumor using various classification techniques	Mathews A.B., Jeyakumar M.K.	International Journal of Mechanical and Production Engineering Research and Development	2019	2	NICHE	1
Experimental study on the influence of fibre surface treatments and coconut shell powder addition on the compressive strength, hardness and tribological properties of sisal fibre-natural rubber composites	Gopakumar R., Rajesh R.	International Journal of Enterprise Network Management	2019	2	NICHE	1
Design of a dynamic boot loader for loading an operating system	Sebastian A., Sankar K.S.	Journal of Computer Science	2019	2	NICHE	1
Segmentation of lung from CT using various active contour models	Nithila E.E., Kumar S.S.	Biomedical Signal Processing and Control	2019	16	NICHE	12
Analysis on mechanical and metallurgical characterisation of FBTIG weldments using	Skariya P.D., Satheesh M., Edwin Raja Dhas J.,	International Journal of Nano and Biomaterials	2019	1	NICHE	0

15CDV6 steel	Chandrasekar G.					
Enhanced noise curtailing in long haul multi service 5g cellular optical hybrid networks	Mathews A.B., Devadhas G.G.	Journal of Advanced Research in Dynamical and Control Systems	2019	3	NICHE	2
A review on privacy preserving big data process	Dhas J.L.J., Vigila S.M.C., Star C.E.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Computer aided diagnosis of brain tumor using multiclass SVM classification techniques	Jeslin T., Arul Linsely J.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Fast iterative boundary based in painting using morphological erosion and SSD	Shajahan S., Kumar R.M.S., Raj J.V.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Automatic segmentation, size determination and classification of IVD	Leena Silvester M., Kumar R.M.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Performance study on eutectic molten salt as a high temperature working fluid in the parabolic trough collector	Jebasingh V.K., Divya Johns J., Arunkumar T.	International Journal of Ambient Energy	2019	1	NICHE	0
Extraction of fetal features from B mode ultrasonograms for efficient diagnosis of down syndrome in first and second trimester	Jeba Shiney O., Amar Pratap Singh J., Priestly Shan B.	Biomedical and Pharmacology Journal	2019	0	NICHE	0
A combined data storage with encryption and keyword based data retrieval using SCDS-TM model in cloud	Divya S.V., Shaji R.S., Venkadesh P.	Malaysian Journal of Computer Science	2019	0	NICHE	0
Protecting location information for privacy preservation and substituting open-bts in an eco-friendly vanet architecture	Tripathi V.K., Venkateswari S.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
New analysis of video encoding/decoding using ewt and combination of h. 264/avc and uspiht	Nithin S.S., Padma Suresh L.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Corrosion behaviour of magnesium-hydroxyapatite composite in simulated body fluid	Rejikumar R., Sivapragash M.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Importance of training on emergency management in the new generation retail outlets of Kerala	Roshan R., Kinslin D.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
A novel method for melanoma classification using fuzzy based HKSVM	Binu Sathiya S., Kumar S.S., Prabin A.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Analysis of ph neutralization using ANFIS based queuing algorithm	Pravin Rose T., Glan Devadhas G.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Spinal canal abnormalities in early stage detection of scoliosis disease: A review	Warrier G.S., Angel Viji K.S.	Journal of Advanced Research in Dynamical and	2019	0	NICHE	0

		Control Systems				
Design of a novel controller to stabilize the dc level of photovoltaic system for low voltage stand alone applications	Bibin Raj V.S., Devadhas G.G.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
A real time extreme learning machine for software development effort estimation	Pillai K., Jeyakumar M.	International Arab Journal of Information Technology	2019	1	NICHE	1
Automatic nucleus level breast cancer detection system	Gopalakrishnan T., Rajeesh J., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	1	NICHE	1
Identification of person or data using modified square blockwise approach	Denslin Braja D.R., Dharun V.S.	International Journal of Reasoning-based Intelligent Systems	2019	0	NICHE	0
A modified adaptive thresholding method using cuckoo search algorithm for detecting surface defects	Aslam Y., Santhi N., Ramasamy N., Ramar K.	International Journal of Advanced Computer Science and Applications	2019	6	NICHE	4
Experimental study on change in mechanical characteristics of E-glass fibre reinforced epoxy composite by adding carbon nanotube layers	Albert Allen D., Ramanan G., Neela Rajan R.R., Darwins A.K.	Asian Journal of Chemistry	2019	0	NICHE	0
A proficient satellite image building detection using fuzzy and neural network techniques	Kala S., Jeyakumar M.K.	International Journal of Engineering Research and Technology	2019	0	NICHE	0
Analysis of fractional order pi controller with cuckoo optimization for multi tank process	Pravin Rose T., Glan Devadhas G.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Design and analysis of 32-bit parallel prefix adders for low power VLSI applications	Daphni S., Grace K.S.V.	Advances in Science, Technology and Engineering Systems	2019	1	NICHE	1
Analysis of EMI reduction in optimised boost converter using analogue PWM chaotic technique	Rex S.R., Mary Synthia Regis Praba D.M.	International Journal of Recent Technology and Engineering	2019	2	NICHE	1
Design of a novel controller to maintain DC level of PV system for low voltage applications	Bibin Raj V.S., Glan Devadhas G.	International Journal of Recent Technology and Engineering	2019	0	NICHE	0
Combined economic and emission dispatch using whale optimisation algorithm	Faseela C.K., Vennila H.	International Journal of Enterprise Network Management	2019	0	NICHE	0
Investigation on effect of geometric, material and load parameters on strength of composites with cutouts	Kumar S.A., Rajesh R.	International Journal of Enterprise Network Management	2019	0	NICHE	0
Embedding machine learning in air traffic control systems to generate effective route plans for aircrafts in order to avoid collisions	Madanan M., Hussain N., Velayudhan N.C., Sayed B.T.	Journal of Theoretical and Applied Information Technology	2019	2	NICHE	1
Tensile, impact, flexural and	Darsan R.S., Stanly	International Journal	2019	1	NICHE	1

morphological characteristics of pineapple leaf fiber reinforced polylactic acid composites	Jones Retnam B., Sivapragash M.	of Mechanical Engineering and Technology				
Study on the fresh state properties of self compacting concrete modified with recycled concrete aggregate	Frank Stephen S., Chockalingam M.P., Nalanth N., Lekshmy Raghavan P.	International Journal of Civil Engineering and Technology	2019	0	NICHE	0
Mathematical modelling and analysis of hierarchical modulation in AWGN and Rayleigh channel	Chandrakala K., Jayakumari J.	International Journal of Wireless and Mobile Computing	2019	4	NICHE	2
Experimental wear study between piston ring and cylinder liner pair with mahua oil as lubricant for automobiles	Neela Rajan R.R., Pon Suthir Sajan S.S., Ramanan G., Bino Prince Raja D.	International Journal of Vehicle Structures and Systems	2019	0	NICHE	0
Review on avoiding sybil attack in VANET while operating in an urban environment	Velayudhan N.C., Anitha A., Madanan M., Paul V.	Journal of Theoretical and Applied Information Technology	2019	0	NICHE	0
A review: Sources of silica from agro waste and its extraction methods	Raja S., Ravichandran M., Isaac R.S.R., Abilash N.	Journal of Advanced Research in Dynamical and Control Systems	2019	0	NICHE	0
Effect of pre-soaked light expanded clay aggregate on strength, durability and flexural behaviour of high-performance concrete	Pradeep P., Beenamol, Nair H.S.	Journal of Engineering Science and Technology	2019	0	NICHE	0
Detection of murmur from non-stationarity of heart sounds	Careena P., Mary Synthuja Jain Preetha M., Arun P.	Biomedical and Pharmacology Journal	2019	0	NICHE	0
Performance comparison of MeRMaId-ICA and Np-ICA in composite abdominal electrocardiogram separation	Anisha M., Kumar S.S., Benisha M.	International Journal of Biomedical Engineering and Technology	2019	0	NICHE	0
Multi-objective optimisation of transesterified Jatropha curcas oil using response surface methodology and grey relational analysis	Neela Rajan R.R., Ramanan G., Rajesh R.	International Journal of Ambient Energy	2019	2	NICHE	1
Process parameter correlation in low pressure hydro forming of 6063-O aluminium tubes	Raj J.S.S., Christopher T., Kalaichelvan K.	Mechanika	2019	0	NICHE	0
Structural, optical, morphological and thermal properties of CuO nanoparticles prepared by sol-gel technique	Vella Durai S.C., Ganapathi Raman R., Kumar E., Muthuraj D.	Journal of Nano-and Electronic Physics	2019	1	NICHE	1
In-vitro chick chorioallantoic membrane study of chitosan capped 5-fluorouracil conjugated gold nanoparticles	Rajan A., Praseetha P.K., Hadi Lafta M., Ariharan V.N., Gopu Kumar S.T.	Annals of Tropical Medicine and Public Health	2019	0	NICHE	0
An insight into the molecular and surface state photoluminescence of carbon dots revealed through solvent-induced modulations in their excitation wavelength dependent emission properties	Gharat P.M., Chethodil J.M., Srivastava A.P., Praseetha P.K., Pal H., Dutta Choudhury S.	Photochemical and Photobiological Sciences	2019	24	NICHE	20
Neuroanatomical correlates of	Sheelakumari R.,	Brain Imaging and	2019	13	NICHE	10

apathy and disinhibition in behavioural variant frontotemporal dementia	Bineesh C., Varghese T., Kesavadas C., Verghese J., Mathuranath P.S.	Behavior				
Development and characterization of silk/bamboo/glass nano polymer composites	Subash, Jones Retnam B.S., Raja Dhas J.E.	International Journal of Mechanical and Production Engineering Research and Development	2018	0	NICHE	0
Effect of alkali treatment and nano filler addition on properties of palm/glass fiber reinforced polymer composite	Pradeep P., Dhas J.E.R.	Indian Journal of Engineering and Materials Sciences	2018	0	NICHE	0
Enbase: Energy-conscious sla-oriented dynamic vm consolidation heuristics in green data centres using ant colony system	Sajitha A.V., Subhajini A.C.	International Journal of Engineering and Advanced Technology	2018	0	NICHE	0
Network-conscious vm placement for energy efficiency in green data centres through dynamic vm consolidation	A.v S., Subhajini A.C.	International Journal of Engineering and Advanced Technology	2018	0	NICHE	0
Unimodal biometric based security application by exploiting retina	Sasikala T.S., Sankar K.S.	International Journal of Engineering and Advanced Technology	2018	2	NICHE	2
Reliable cbir system for fabric images based on nsct and ldp features	Alan Gowri Phivin V., Subhajini A.C.	International Journal of Engineering and Advanced Technology	2018	0	NICHE	0
Use of recycled brick aggregates in self compcting concrete	Sivamalar C., Nalanth N., Shijumon V., Shalini J.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Performance analysis of machine learning based classifiers for the diagnosis of lung cancer & comparison	Mathews A.B., Jeyakumar M.K.	Indian Journal of Public Health Research and Development	2018	3	NICHE	2
Noise reduction using character density approach	Joseph J., Jeba J.R.	International Journal of Engineering and Advanced Technology	2018	2	NICHE	1
A novel crow search based strategy for maximum power point tracking of wind turbines driven by doubly fed induction generator	Centhil Kumar C., Raglend I.J.	International Journal of Simulation: Systems, Science and Technology	2018	0	NICHE	0
A novel adaptive marginalized particle filter for mixed linear / nonlinear state-space models	Jayamohan S., Nagarajan S., Kadarkaraiyandi R.	International Journal of Simulation: Systems, Science and Technology	2018	1	NICHE	1
An effective surface defect detection method using adaptive thresholding fused with PSO algorithm	Aslam Y., Santhi N., Ramasamy N., Ramar K.	International Journal of Simulation: Systems, Science and Technology	2018	5	NICHE	3
Semi-supervised change detection method using phase congruency and local binary pattern (PC-LBP)	Dalmiya C.P., Santhi N., Sathyabama B.	International Journal of Simulation: Systems, Science and Technology	2018	1	NICHE	1
Review on the current construction and demolition	Rema R., Nalanth N., Vincent P.,	International Journal of Civil Engineering	2018	0	NICHE	0

waste management framework	Janardhanan K.A.	and Technology				
A robust image watermarking system based on EDWT and SVD	Thomas R., Sucharitha M.	ARPN Journal of Engineering and Applied Sciences	2018	0	NICHE	0
Wear characteristics of titanium carbides and MOS 2 reinforced aluminium hybrid composites	Rajesh Prabha N., Ramanan G., Neela Rajan R.R., Ponsuthir Sajan S.	International Journal of Mechanical and Production Engineering Research and Development	2018	0	NICHE	0
Effective utilization of plastic waste material in the production of environmental friendly concrete	Shalini J., Ravikumar M.S., Nalanth N., Kannan S.U.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Sufficient conditions for the nda-reconstructibility of all digraphs	Ramachandran S.	Utilitas Mathematica	2018	0	NICHE	0
Mechanical and water absorption of injection moulded pineapple leaf fiber reinforced polylactic acid composites	Darsan R.S., Jones Retnam B.S., Sivapragash M.	International Journal of Mechanical Engineering and Technology	2018	0	NICHE	0
An efficient mode detection technique of pulmonary nodule in lung cancer	Mathews A.B., Jeyakumar M.K.	International Journal of Pharmaceutical Research	2018	2	NICHE	2
Cuttlefish optimization control of solar PV array fed landsman converter	Gayathri A.R., Mary Synthia Regis Prabha D.M.	International Journal of Pharmaceutical Research	2018	1	NICHE	1
Optimizing parameters of TIG welding process using grey wolf optimization concerning 15CDV6 steel	Skariya P.D., Satheesh M., Dhas J.E.R.	Evolutionary Intelligence	2018	0	NICHE	0
Effect of supplementary cementitious materials on the strength of concrete and hollow concrete blocks	Sunil J., Kumar M.S.R.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Measurement noise analysis of marginalized particle filter for target tracking applications	Jayamohan S., Nagarajan S., Kadarkaraiyandi R.	International Journal of Simulation: Systems, Science and Technology	2018	2	NICHE	2
Identification and isolation of antimicrobial compounds from the flower extract of Hibiscus rosa-sinensis L: In silico and in vitro approaches	Vijayakumar S., Morvin Yabesh J.E., Arulmozhi P., Praseetha P.K.	Microbial Pathogenesis	2018	4	NICHE	3
Comprehensive studies on processing and characterization of hybrid magnesium composites	Suneesh E., Sivapragash M.	Materials and Manufacturing Processes	2018	15	NICHE	12
Neighborhood degrees associated reconstruction of digraphs for Ulam's conjecture	Ramachandran S.	Utilitas Mathematica	2018	0	NICHE	0
Fluid-structure interaction of cropped delta wing with experimental validation	Arun M.P., Satheesh M., Edwin Raja Dhas J.	International Journal of Mechanical and Production Engineering Research and Development	2018	1	NICHE	1
Experimental investigation of pftig welding process on 15CDV6 steel using	Skariya P.D., Satheesh M., Dhas E.R., Suneesh E.	International Journal of Mechanical and Production	2018	0	NICHE	0

nanopowders		Engineering Research and Development				
Design and analysis of air flow depression for air-conditioning in small passenger cabin using solid works	Ibrahim S., Mehta R.C.	International Journal of Mechanical and Production Engineering Research and Development	2018	0	NICHE	0
Mechanical behaviour of processed PP/PVC laminates	Aniber Benin M., Stanly Jones Retnam B., Edwin Sahayaraj M.	International Journal of Mechanical Engineering and Technology	2018	0	NICHE	0
Behavior of plastic aggregates in ecofriendly concrete	Shalini J., Ravikumar M.S., Nalanth N., Janardhanan K.A.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Block Allocation Strategy for Multiple Input Multiple Output (MIMO)–Orthogonal Frequency Division Multiple Access (OFDMA) System	Benita J., Jayaparthathy R.	Wireless Personal Communications	2018	0	NICHE	0
Preparation of an efficient and safe polymeric-magnetic nanoparticle delivery system for sorafenib in hepatocellular carcinoma	Tom G., Philip S., Isaac R., Praseetha P.K., Jiji S.G., Asha V.V.	Life Sciences	2018	10	NICHE	7
Green synthesis of zinc oxide nanoparticles using Atalantia monophylla leaf extracts: Characterization and antimicrobial analysis	Vijayakumar S., Mahadevan S., Arulmozhi P., Sriram S., Praseetha P.K.	Materials Science in Semiconductor Processing	2018	72	NICHE	67
Monophonic wirelength on Circulant Networks	Uma Samundesvari K., Michael S.G.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Crystal growth, spectroscopic, DFT computational and third harmonic generation studies of nicotinic acid	Thaya Kumari C.R., Nageshwari M., Raman R.G., Caroline M.L.	Journal of Molecular Structure	2018	15	NICHE	14
Synthesis and characterization of magnesium-based hybrid composites – A review	Eacherath S., Murugesan S.	International Journal of Materials Research	2018	5	NICHE	4
A study on pftig welding process for the improvement of mechanical properties	Skariya P.D., Satheesh M., Dhas E.R., Suneesh E.	International Journal of Mechanical Engineering and Technology	2018	0	NICHE	0
Mechanical, morphological and thermal characterization of hybrid bamboo/glass fiber reinforced polyester composites	Bino Prince Raja D., Retnam B.S.J., Antony Samuel Prabu G., Alagu Sundaram A.	Rasayan Journal of Chemistry	2018	5	NICHE	5
Economic and emission dispatch using Whale Optimization Algorithm (WOA)	Faseela C.K., Vennila H.	International Journal of Electrical and Computer Engineering	2018	7	NICHE	5
Key drivers & factors influencing organized retail sector in KERALA	Nair S.K., Chandrachoodan Nair B.	International Journal of Mechanical Engineering and Technology	2018	5	NICHE	3
Impact of social media on consumer buying decision towards financial assets among	Pradeep S., Nair C.	International Journal of Mechanical Engineering and	2018	1	NICHE	1

it professionals at kerala		Technology				
Experimental investigation on effect of partial replacement of coarse aggregate by plastic aggregate on M 40 grade self compacting concrete	Prasoon P.P., Kumar M.S.R., Vaisakh G.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Optimization of PVD process parameter for coating AZ91D magnesium alloy by Taguchi grey approach	Sivapragash M., Kumaradhas P., Vettivel S.C., Retnam B.S.J.	Journal of Magnesium and Alloys	2018	7	NICHE	4
Isolation and identification of <i>Serratia marcescens</i> NASC 1 and optimization of its chitinase production	Abdhul K., Sakthinarayanan K., Murugan M.	Journal of Pharmaceutical Sciences and Research	2018	0	NICHE	0
Perceived financial literacy and savings behavior of it professionals in Kerala	Pradeep S., Chandrachoodan Nair B.	International Journal of Mechanical Engineering and Technology	2018	2	NICHE	2
An experimental study on properties of M50 concrete cured using PEG 400	Vaisakh G., Kumar M.S.R., Bala P.S.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Fabrication and analysis of 304 stainless steel boron carbide metal matrix composite	Balakrishnan N., Rajesh R.	International Journal of Mechanical Engineering and Technology	2018	0	NICHE	0
Experimental investigation on feasibility of self compacting concrete in the manufacture of prefabricated compression elements	Siva Bala P., Ravi Kumar M.S., Vaisakh G.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Effect of self-compacting concrete in hollow compression members	Siva Bala P., Ravi Kumar M.S., Vaisakh G.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Manufacturing of proto type wind turbine blades using rapid prototype technology	Selvan Nambi S., Joselin Herbert G.M.	International Journal of Mechanical and Production Engineering Research and Development	2018	2	NICHE	1
Design and analysis of wind turbine blades	Nambi S.S., Herbert G.M.J.	International Journal of Mechanical Engineering and Technology	2018	3	NICHE	1
An efficient hierarchical modulation based OFDM transmission scheme for digital video broadcasting	Chandrakala K., Jayakumari J.	International Journal of Engineering, Transactions B: Applications	2018	2	NICHE	1
Boron Nitride reinforced polylactic acid composites film for packaging: Preparation and properties	Bindhu B., Renisha R., Roberts L., Varghese T.O.	Polymer Testing	2018	21	NICHE	17
Eco-friendly preparation of zinc oxide nanoparticles using <i>Tabernaemontana divaricata</i> and its photocatalytic and antimicrobial activity	Raja A., Ashokkumar S., Pavithra Marthandam R., Jayachandiran J., Khatiwada C.P., Kaviyarasu K., Ganapathi Raman R., Swaminathan M.	Journal of Photochemistry and Photobiology B: Biology	2018	180	NICHE	143
A survey on future research about electron beam welding	Ajith Raj R., Dev Anand M.	China Welding (English Edition)	2018	2	NICHE	1

for aerospace applications						
Microstructural evaluation and tensile characterization of electron beam welded dissimilar metal joints of copper and Stainless Steel 304	Ajith Raj R., Dev Anand M.	International Journal of Mechanical Engineering and Technology	2018	6	NICHE	3
A method of A-BAT algorithm based query optimization for crowd sourcing system	Cincy W.C., Jeba J.R.	International Journal of Intelligent Systems and Applications	2018	1	NICHE	1
Comment on “Microwave dielectric properties of AWO4 (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	Balamurugan S., Sana Fathima T.K., Veluraja K.	Journal of Alloys and Compounds	2018	0	NICHE	0
Experimental analysis of friction stir welding of dissimilar alloys AA7075 and mg ZE42 using butt joint geometry	Darwins A.K., Satheesh M., Ramanan G.	International Journal of Mechanical and Production Engineering Research and Development	2018	1	NICHE	1
A secure transaction of cloud data using conditional source trust attributes encryption mechanism	Brindha T., Shaji R.S.	Soft Computing	2018	6	NICHE	5
Strength evaluation of laterite soil stabilized using polymer fibers	Menon J., Ravikumar M.S.	International Journal of Civil Engineering and Technology	2018	3	NICHE	2
Effect of fibres on the compressive strength of hollow concrete blocks	Sunil J., Kumar M.S.R.	International Journal of Civil Engineering and Technology	2018	1	NICHE	1
An approach for rational design and structural analysis of a hexa-copter	Girijadevi L.T., Bino Prince Raja D., Prabhu A.S.	International Journal of Mechanical and Production Engineering Research and Development	2018	0	NICHE	0
A study on spinal cord segmentation techniques	Jasim M., Brindha T.	Control and Cybernetics	2018	0	NICHE	0
Dynamic VM consolidation enhancement for designing and evaluation of energy efficiency in green data centers using regression analysis	Sajitha A.V., Subhajini A.C.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
GVF snake algorithm-a parallel approach	Sajan P.P., Kumar S.S.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Queue based energy efficient routing with dynamic resource allocation in mobile adhoc networks	Thebiga M., Suji Pramila R.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Aerodynamic analysis on wind turbine aerofoil	Albi, Dev Anand M., Joselin Herbert G.M.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Photovoltaic system under uneven light condition and variable load with modified incremental resistance	Sreekanth S., Felix Joseph X.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0

algorithm						
Comprehensive analysis of TIG Welded Inconel-718 alloy for different heat input conditions	Jerold Jose P., Dev Anand M.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Modeling and prediction of mechanical strength in Electron Beam Welded dissimilar metal joints of stainless steel 304 and Copper using Grey Relation Analysis	Ajith Raj R., Dev Anand M.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
A survey to monitor and defend against blackhole attacks in mobile adhoc networks	Thebiga M., Suji Pramila R.	International Journal of Engineering and Technology(UAE)	2018	3	NICHE	1
Theories, techniques, methods and approaches of second language acquisition: A psychological perspective	Delbio A., Ilankumaran M.	International Journal of Engineering and Technology(UAE)	2018	11	NICHE	10
Application of theories, techniques, methods and approaches to develop second language skills-a study based on transition from schooling to college	Jeya Gowri K., Ilankumaran M.	International Journal of Engineering and Technology(UAE)	2018	10	NICHE	8
Teaching literature enhances communication skills - A study with special emphasis on poetry	Ilankumaran M., Deepa P.	International Journal of Engineering and Technology(UAE)	2018	10	NICHE	7
English language teaching: Challenges and strategies from the Indian perspective	Abilasha R., Ilankumaran M.	International Journal of Engineering and Technology(UAE)	2018	14	NICHE	10
An efficient medical content based image retrieval with lenient relevance feedback	Heaven Rose R.I., Subajini A.C.	International Journal of Engineering and Technology(UAE)	2018	3	NICHE	2
Routing protocol based key management schemes in manet: A survey	Shibu K.R., SujiPramila R.	International Journal of Engineering and Technology(UAE)	2018	4	NICHE	2
Survey on analysis of energy optimization in MANET routing	Baby B., Pramila R.S.	International Journal of Engineering and Technology(UAE)	2018	4	NICHE	2
Design of low power and high speed implicit pulse flip-flop and its application	John K., Vinod Kumar R.S., Kumar S.S.	International Journal of Engineering and Technology(UAE)	2018	8	NICHE	5
Gutman Index and Harary Index of Unitary Cayley Graphs	Philipose R.S., Sarasija P.B.	International Journal of Engineering and Technology(UAE)	2018	7	NICHE	5
An enhanced security tree to secure cloud data	Renu S., Krishna Veni S.H.	International Journal of Engineering and Technology(UAE)	2018	5	NICHE	4
Power and power factor control strategies of hybrid energy system using PID controller	Bindhu V.S., Mary Synthia Regis Prabha D.M.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Enhancement of lung CT images using improved linear iterative clustering for identifying tumor in Juxta vascular region	Mathews A.B., Jeyakumar M.K.	Journal of Advanced Research in Dynamical and Control Systems	2018	4	NICHE	2
Optimization of multiple performance characteristics of friction stir welded joint with grey relational analysis	Shamsudeen S., Dhas J.E.R.	Materials Research	2018	6	NICHE	5

SDN based DDoS attack detection system by exploiting ensemble classification for cloud computing	Vimala S.T., Dhas J.P.M.	International Journal of Intelligent Engineering and Systems	2018	1	NICHE	1
Distributed agent based selective forwarding attack detection and response technique for MANET	Cherian R.K., Nargunam A.S.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
PSO approach on cutting parameters in awjm process for copper iron alloy	Jai Aultrin K.S., Dev Anand M.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Trust aware service provisioning scheme for multi cloud environment	Samuel Blessed Nayagam P.V., Nargunam A.S.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Microstructural characterizations using SEM/EDAX and X-ray diffraction analysis on tig and electron beam welded dissimilar metal joints of copper and stainless steel 304	Ajith Raj R., Dev Anand M.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
An investigation of air flow and thermal comfort of modified conventional car cabin using computational fluid dynamics	Ibrahim S., Mehta R.C.	Journal of Applied Fluid Mechanics	2018	0	NICHE	0
Network-aware VM migration for achieving energy efficient green data centres through dynamic VM consolidation	Sajitha A.V., Subhajini A.C.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
A new diffusion and substitution based cryptosystem for securing medical image applications	Mancy L., Vigila S.M.C.	International Journal of Electronic Security and Digital Forensics	2018	10	NICHE	7
Grey wolf algorithm optimized solar PV array fed Landsman converter	Gayathri A.R., Mary Synthia Regis Prabha D.M.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Throughput enhancement of SISO parallel LTE turbo decoders using floating point turbo decoding algorithm	Parvathy M., Ganesan R.	International Journal of Wireless and Mobile Computing	2018	0	NICHE	0
Synthesis and characterization of graphene flakes from graphite by using biosurfactant - A review	Kala P.P., Anwar-Samath F.M.	Nano Biomedicine and Engineering	2018	2	NICHE	1
Fabrication and study of mechanical properties of eco-friendly banana fibre-natural rubber latex composites	Gopakumar R., Rajesh R.	International Journal of Environment and Waste Management	2018	0	NICHE	0
Tourism is a multifaceted industry for generating revenue for the government	Chacko T., Merlin Thanga Joy A.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Selection of suitable supervised classification techniques for the geographic analysis of land using GIS techniques	Senthil Lekha S.L., Kumar S.S.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Gene selection approaches for	Briso Becky Bell J.,	International Journal	2018	0	NICHE	0

classifying disease relevant data sample	Maria Celestin Vigila S.	of Engineering and Technology(UAE)				
Artifacts removal in Melanoma using various preprocessing filters	Ramya Ravi R., Vinod Kumar R.S., Shanila N.	International Journal of Engineering and Technology(UAE)	2018	2	NICHE	1
A novel ASNO segmentation technique for segmenting the JUXTA vascular region	Mathews A.B., Jeyakumar M.K.	International Journal of Engineering and Technology(UAE)	2018	1	NICHE	1
An optimized approach for evaluation of radiation hazards from mobile tower	Thulasi D.V., Amala Shanthi S.	Journal of Advanced Research in Dynamical and Control Systems	2018	1	NICHE	1
Multi resolution feature combined with ODBTC technique for robust CBIR system	Ranjith V.G., Jeyakumar M.K., Palanikumar S.	International Journal of Signal and Imaging Systems Engineering	2018	4	NICHE	3
Improving the task scheduling QOS based on multiple parameters by using MPSO techniques	Shameer A.P., Subhajini A.C.	Journal of Advanced Research in Dynamical and Control Systems	2018	2	NICHE	1
Impact of pulse-triggered flip-flops in low power applications	John K., Vinod Kumar R., Kumar S.	Journal of Advanced Research in Dynamical and Control Systems	2018	13	NICHE	9
The effect of packet redundancy elimination technique in sensor networks	Priya B.S.D., Enoch S.	Journal of Computer Science	2018	2	NICHE	1
Development and characterisation of eco-friendly 40% v/v Hybrid Banana/Sisal fibers-natural rubber latex composite	Gopakumar R., Rajesh R.	Journal of Engineering and Applied Sciences	2018	0	NICHE	0
Dynamic VM consolidation enhancement for designing and evaluation of energy efficiency in green data centers using regression analysis	Sajitha A.V., Subhajini A.C.	International Journal of Engineering and Technology(UAE)	2018	6	NICHE	4
Modeling and prediction of mechanical strength in Electron Beam Welded Dissimilar metal joints of stainless steel 304 and Copper using Grey relation analysis	Ajith Raj R., Dev Anand M.	International Journal of Engineering and Technology(UAE)	2018	4	NICHE	3
Experimental and theoretical spectroscopic investigations of 4-bromo-3-methylbenzonitrile	Kumar S., Ganapathi Raman R.	Oriental Journal of Chemistry	2018	0	NICHE	0
A meta-heuristic, moth inspired algorithm for combined economic and environmental power dispatch	Mustafa N., Vennila H.	International Journal of Enterprise Network Management	2018	0	NICHE	0
A comprehensive review to study the role of air conditioning and air flow improvements in small passenger vehicles	Ibrahim S., Mehta R.C., Edwin Raja Dhas J.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Preventing data loss even when the security system compromise	Renu S., Krishna Veni S.H.	Journal of Applied Engineering Science	2018	0	NICHE	0
Automatic segmentation of chondroblastoma from X-ray images using active contour	Muhammed Anshad P.Y., Kumar S.S.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0

and levelset method						
Viability study of implementing cross flow helical turbine for micropower generation in India	Jayaram V., Bavanish B.	International Journal of Renewable Energy Research	2018	0	NICHE	0
Effect of thermo gravimetric and FT-IR analysis on friction stir processed Mg-ZE42 alloy	Darwins A.K., Satheesh M., Ramanan G.	Rasayan Journal of Chemistry	2018	4	NICHE	2
Analytical investigation of implementation of fences on cropped delta wing for the improvement of performance parameters	Arun M.P., Satheesh M.	International Journal of Mechanical Engineering and Technology	2018	4	NICHE	2
Antibacterial effect of surface active agent produced by Pseudomonas sp. Isolated from saltpan	Murugan T., Murugan M.	Journal of Pharmaceutical Sciences and Research	2018	0	NICHE	0
Response surface methodology assisted multi-objective optimization of TIG process for 15CDV6 steel	Skariya P.D., Satheesh M., Edwin Raja Dhas J., Chandrasekar G.	Control and Cybernetics	2018	0	NICHE	0
Management Education in Kerala-impact on employability	Pradeep K.M., Edmund Christopher S., Kinslin D.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Lung Lesion enhancement using adaptive median filter with curvelet transform	Seelan L.J., Suresh P.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Business schools in Kerala-Impact on employability	Pradeep K.M., Edmund Christopher S.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Buckling analysis of stiffened panels under Fuselage bending	Neela Rajan R.R., Bino Prince Raja D., Ramanan G., Muthu Sherin S.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Employee engagement practices in organized retail sector: An empirical study with respect to Ernakulam Town	Nair S.K., Chandrachoodan Nair B.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Voltage regulation using STATCOM with PI and adaptive PI controls	Felix Stephen S., Jacob Raglend I.	International Journal of Engineering and Technology(UAE)	2018	2	NICHE	1
Video coding using different wavelets and modified SPIHT: A relative approach	Nithin S.S., Padma Suresh L.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
A study study on image retrieval based on tetrolet transform	Sarath D., Sucharitha M.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Comparison of RECSS algorithm with EARH and cuckoo search algorithm	Misbha D.S., Jeba J.R.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Gender factor-impact on employability: Special reference to the management students in Kerala	Edmund Christopher S., Pradeep K.M.	International Journal of Engineering and Technology(UAE)	2018	2	NICHE	1
Prime graceful labeling	Selvarajan T.M., Subramoniam R.	International Journal of Engineering and Technology(UAE)	2018	1	NICHE	1
Monophonic wirelength in graph embedding	Michael S.G., Uma Samundesvari K.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0

Optimization of machining characteristics of hybrid composites using grey relational technique	Ramanan G., Neela Rajan R.R., Jai Aultrin K.S., Pradeep P.	International Journal of Engineering and Technology(UAE)	2018	1	NICHE	1
Low power multiply accumulate unit based on modified hybrid Han Carlson adder	Rakesh S., Vijula Grace K.S.	Progress in Color, Colorants and Coatings	2018	0	NICHE	0
Efficient OFDM transceiver design for VLC systems in fading channel	Jayakumari J., Rakhi K.J.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Controller design for boost converter using soft computing techniques based optimization algorithms	Reeba Rex S., Mary Synthia Regis Praba D.M.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Design of fractional order PI controller with ABC and BBO algorithm for pH neutralization process using multiple tanks	Pravin Rose T., Glan Devadhas G.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Comparative study of de-duplication methods for sensor data in cloud storage	Beulah S., Dhanaseelan F.R.	Journal of Computational and Theoretical Nanoscience	2018	0	NICHE	0
Curve fitting and mesh construction in documents	Sruthy S., Babu S.S.	Journal of Computational and Theoretical Nanoscience	2018	0	NICHE	0
Prediction of electrical discharge machining process parameters by artificial neural network based on response surface method	Gopu P., Dev Anand M., Rajesh R.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Action of IMC and pole placement controllers implemented to CSTD process	Kabila V., Glan Devadhas G.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Optimization-base design of fractional order pi control for multiple tanks ph neutralization process	Pravin Rose T., Scholar R., Islam N., Glan Devadhas G.	Journal of Advanced Research in Dynamical and Control Systems	2018	2	NICHE	1
A MPPT strategy based on cuckoo search for wind energy conversion system	Centhil Kumar C., Jacob Raglend I.	International Journal of Engineering and Technology(UAE)	2018	2	NICHE	2
Design and analysis of a plate heat exchanger in the view of performance improvement and cost reduction	Jamshak S.H., Dev Anand M., Akshay S.B., Arun S., Prajeev J., Prabhakaran P.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
A speed control of DC motor with PWM using microcontroller in hardware in loop	Reeba Rex S., Praba M.S.R.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
An optimal method for duplication detection and elimination from air pollution data of wireless sensor network	Beulah S., Ramesh Dhanaseelan F.	International Journal of Environment and Waste Management	2018	0	NICHE	0
Robust breast cancer detection by utilising the multi-resolution features	Gopalakrishnan T., Rajeesh J., Palanikumar S.	International Journal of Signal and Imaging Systems Engineering	2018	2	NICHE	1
MPPT based various control strategies for wind energy	Centhil Kumar C., Jacob Raglend I.	Journal of Advanced Research in	2018	0	NICHE	0

conversion system and its reliability-survey		Dynamical and Control Systems				
PI control of statcom with BAT algorithm	Felix Stephen S., Jacob Raglend I.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
An improved and user-friendly scheduling approach in streaming data warehouses	Misbha D.S., Jeba J.R.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
An improved tumor segmentation algorithm from T2 and FLAIR multimodality MRI brain images by support vector machine and genetic algorithm	Sukumaran A., Glan D.G., Kumar S.S.	Cogent Engineering	2018	2	NICHE	2
Vibrational Analysis and Non Linear Optical Activity of 3-fluoro-4-methylbenzonitrile	Sugirtha Suni N.Y., GURU PRASAd L., Ganapathi Raman R.	Oriental Journal of Chemistry	2018	0	NICHE	0
A heuristic fuzzy clustering approach for defect detection on titanium coated metal surface	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Journal of Advanced Research in Dynamical and Control Systems	2018	6	NICHE	4
Design and analysis of compact T shape slotted patch antenna for 4G WiMAX applications	Sreeja T.K., Jayakumari J.	International Journal of Enterprise Network Management	2018	2	NICHE	1
DIGRAPH isomorphism using subdigraph equivalent vertices and degree pair association	Ramachandran S., Bhanumathy P.	Ars Combinatoria	2018	0	NICHE	0
Corrosion performance of annealed electroless Ni-B-ZrSiO ₄ coatings on mild steel	John Leon S., Winowlin Jappes J.T., Edwin Sahayara M.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	NICHE	0
Comparison of electroless Ni-P/ Ni-B on corrosion performance	Leon S.J., Jappes J.T.W., Sahayaraj M.E.	International Journal of Engineering and Technology(UAE)	2018	0	NICHE	0
Tubing material selection for nuclear power plant heat exchangers	Anandan S., Rajesh R.	International Journal of Mechanical Engineering and Technology	2018	0	NICHE	0
The intervention of social media marketing in emerging adults: With special reference to Thiruvananthapuram district	Joy J., Sulaipher M.	International Journal of Mechanical Engineering and Technology	2018	0	NICHE	0
Effect of RBI grade 81 with black cotton soil in road construction using ANFIS model	Dhanasekar T., Rajakumar P.	International Journal of Civil Engineering and Technology	2018	2	NICHE	1
Study on effect of geometric and material parameters on shear loaded notched composite panels	Anoop Kumar S., Rajesh R.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
Effective utilization of fuzzy logic in stabilize road construction with RBI grade-81	Dhanasekar T., Rajakumar P.	International Journal of Civil Engineering and Technology	2018	0	NICHE	0
An efficient data storage and forwarding mechanism using fragmentation-replication and DADR protocol for enhancing the security in cloud	Divya S.V., Shaji R.S., Venkadesh P.	Journal of Computational and Theoretical Nanoscience	2018	2	NICHE	1

Passengers queue analysis in international airports terminals in Kerala using multiphase queuing system	Aniyeri R., Nadar R.	International Journal of Mathematics in Operational Research	2018	8	NICHE	5
Total and forcing total edge-to-vertex monophonic number of a graph	John J., Uma Samundesvari K.	Journal of Combinatorial Optimization	2018	0	NICHE	0
Genetic algorithm based 15 level multilevel inverter with SHE PWM	Anjali Krishna R., Padmasuresh L., Muthukumar P.	International Journal of Engineering and Technology(UAE)	2018	12	NICHE	8
Wavelet based Video compression using various encoding techniques: A relative study	Nithin S.S., Padma L., Suresh N.S.	International Journal of Engineering and Technology(UAE)	2018	2	NICHE	1
An evaluation of stress intensity factor of fracture model for glass fiber epoxy resin composite	Ramanan G., Neela Rajan R.R., Rajesh Prabha N.	International Journal of Mechanical and Production Engineering Research and Development	2018	0	NICHE	0
Influence of ball milling on CdO nanoparticles prepared by thermal decomposition	Sagi Rani C., Thangaraj G., Suresh D.M., Joseph John N.	Oriental Journal of Chemistry	2018	4	NICHE	2
The preparation and mechanical properties of Al metal matrix composites by in-situ method	Mohan P., Azhagesan N., Sivapragash M.	International Journal of Computer Aided Engineering and Technology	2018	2	NICHE	1
Prediction of machining characteristics of hybrid composites using response surface methodology approach	Ramanan G., Rajesh Prabha N., Diyu Samuel G., Jai Aultrin K.S., Ramachandran M.	International Journal of Engineering and Technology(UAE)	2018	7	NICHE	5

3.4.6 h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
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 Communications	2020	72	0	NICHE
Unraveling the enhanced photocatalytic decomposition efficacy of the Al-doped ZnO nanoparticles@graphene sheets	Chidhambaram N., Valanarasu S., Ganesh V., Gobalakrishnan S.	Journal of Physics D: Applied Physics	2020	198	2	NICHE
Heneicosane—A novel microbicidal bioactive alkane identified from Plumbago	Vanitha V., Vijayakumar S., Nilavukkarasi M.,	Industrial Crops and Products	2020	129	4	NICHE

zeylanica L	Punitha V.N., Vidhya E., Praseetha P.K.					
Quantitative analysis of Ag-doped SnS thin films for solar cell applications	Sebastian S., Vinoth S., Prasad K.H., Revathy M.S., Gobalakrishnan S., Praseetha P.K., Ganesh V., AlFaify S.	Applied Physics A: Materials Science and Processing	2020	149	0	NICHE
Growth and characterization of Catena-((μ 4-dihydrogen oxalate)-bis(μ 3-hydrogen oxalato)-(μ 2-dihydrogen oxalate)-tetra-aqua-di-rubidium) $\{Rb(HC_2O_4)(H_2C_2O_4)(H_2O)_2\}_n$ 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	2020	25	3	NICHE
Hybrid dimensionality reduction for outlier detection in high dimensional data	Thomas R., Judith J.E.	International Journal of Emerging Trends in Engineering Research	2020	5	0	NICHE
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	2020	60	1	NICHE
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	2020	149	0	NICHE
Green way biosynthesis: Characterization, antimicrobial and anticancer activity of ZnO nanoparticles	Vidhya E., Vijayakumar S., Prathipkumar S., Praseetha P.K.	Gene Reports	2020	9	1	NICHE
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	2020	74	0	NICHE
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	2020	162	2	NICHE
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	2020	3	0	NICHE
Privacy Based Data Publishing Model for Cloud Computing Environment	Bibal Benifa J.V., Venifa Mini G.	Wireless Personal Communications	2020	48	0	NICHE
Nature-inspired hybrid deep learning for race detection by face shape features	Sukumaran A., Brindha T.	International Journal of Intelligent Computing and	2020	19	0	NICHE

		Cybernetics				
An optimization-based deep belief network for the detection of phishing e-mails	Arshey M., Angel Viji K.S.	Data Technologies and Applications	2020	29	0	NICHE
Automatic Extraction of Lesions and Hepatic Structures in Liver using Segmentation Techniques	Kostka A.L., Jinny S.V.	Proceedings of the 2nd International Conference on Inventive Research in Computing Applications, ICIRCA 2020	2020	0	0	NICHE
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	2020	18	1	NICHE
Mining of network data for intrusion detection using multi-dimensional hierarchical k means clustering employed with hybrid abc-dt	Josemila Baby J., Jeba J.R.	Indian Journal of Computer Science and Engineering	2020	2	0	NICHE
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	2020	18	0	NICHE
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	2020	12	2	NICHE
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	2020	0	0	NICHE
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	2020	3	0	NICHE
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	2020	18	0	NICHE
Effect of Sintering Temperature on Mechanical Properties of Mg – HA Composites	Durai T.J., Sivapragash M., Vettivel S.C., Aurtherson P.B.	Metal Science and Heat Treatment	2020	25	6	NICHE
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	2020	32	1	NICHE
Algorithmic Study on Facial Emotion Recognition model with Optimal Feature Selection	Devi B., Jain Preetha M.M.S.	Proceedings of the 4th International Conference on	2020	0	0	NICHE

via Firefly Plus Jaya Algorithm		Trends in Electronics and Informatics, ICOEI 2020				
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	2020	9	0	NICHE
Development of molybdenum disulphide reinforced alginate acid composites	Sreekumar K., Bindhu B.	Indian Journal of Biochemistry and Biophysics	2020	42	3	NICHE
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	2020	0	0	NICHE
A polymer blend from Gum Arabic and Sodium Alginate - preparation and characterization	Nair R.M., Bindhu B., V L R.	Journal of Polymer Research	2020	54	1	NICHE
Evaluation of antioxidant and neuroprotective activities of <i>Lyngbya majuscula</i> on human neural tissues	Manogar P., Vijayakumar S., Praseetha P.K.	Gene Reports	2020	9	0	NICHE
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	2020	4	2	NICHE
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	2020	302	1	NICHE
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	2020	2	0	NICHE
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	2020	0	0	NICHE
Comparative analysis of thermal comfort in a building using energy efficient material	Anantha Lekshmi M.L., Stalin Jose Y.	Journal of Green Engineering	2020	10	0	NICHE
Experimental evaluation of sensors for structural health monitoring	Pradeep Kumar S., Beenamol M.	Test Engineering and Management	2020	10	0	NICHE
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	2020	15	0	NICHE
Kernel-based Bayesian	Baby Y.R.,	IET Image	2020	45	0	NICHE

clustering of computed tomography images for lung nodule segmentation	Ramayyan Sumathy V.K.	Processing				
Assessment of aluminium metal matrix composites – review	Push P.B., Bavanish B.	International Journal of Mechanical and Production Engineering Research and Development	2020	23	0	NICHE
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	2020	21	0	NICHE
Special reference on LIC with the influence of modern technology on customer relationship management	Sahayabeula D., Velmurugan V.P.	Test Engineering and Management	2020	10	0	NICHE
A study on consumer buying behaviour towards selected white goods with special reference to Kanayakumari district	Kishore J.S., Shibin Tad M.C., Janardhanan K.A.	Test Engineering and Management	2020	10	0	NICHE
Evaluation of the long-term properties of self-compacting concrete using recycled coarse aggregate	Stephen F.S., Chockalingam M.P., Nalanth N.	Test Engineering and Management	2020	10	0	NICHE
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	2020	18	2	NICHE
Robust power flow control of PV and battery powered electric vehicle with single stage interaction converter	Jambulingam S., Mary Synthia Regis Prabha D.M.	Journal of Green Engineering	2020	10	0	NICHE
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	2020	0	0	NICHE
Selection of best 3PL provider using ism and anp technique	Ashok R., Rajesh R.	International Journal of Scientific and Technology Research	2020	18	1	NICHE
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	2020	18	0	NICHE
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	2020	9	1	NICHE
Analysis of Lung Tumor Detection using Various	Mathews A.B., Jeyakumar M.K.	Proceedings of the 5th International	2020	0	0	NICHE

Segmentation Techniques		Conference on Inventive Computation Technologies, ICICT 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	2020	0	1	NICHE
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	2020	15	1	NICHE
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	2020	18	0	NICHE
Modified molybdenum disulfide induced beta polymorph phase transition in Polyvinylidene fluoride	Gopika M.S., Bindhu B.	Chemical Physics Letters	2020	235	3	NICHE
Lung cancer detection from ct images using salp-elephant optimization-based deep learning	Shanid M., Anitha A.	Biomedical Engineering - Applications, Basis and Communications	2020	22	0	NICHE
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	2020	0	1	NICHE
Design of PWM with four transistor comparator for DC–DC boost converters	Rex S.R., Praba D.M.M.S.R.	Microprocessors and Microsystems	2020	33	3	NICHE
Detection of pH neutralization technique in multiple tanks using ANFIS controller	Rose T.P., Devadhas G.G.	Microprocessors and Microsystems	2020	33	1	NICHE
Design and development of new control technique for standalone PV system	S B.R.V., Devadhas G.G.	Microprocessors and Microsystems	2020	33	2	NICHE
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., Muthukumaran M.S., Jothikumar R.	Computer Communications	2020	105	0	NICHE
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	2020	60	1	NICHE
Transparent ZNO thin films grown by spin coating methods	Divya G., Gangadhar L., Kumar K.S.	Test Engineering and Management	2020	10	0	NICHE

for OPTO-electronic applications						
Reverse wiener index of unitary addition cayley graphs	Thilaga C., Sarasija P.B.	Advances in Mathematics: Scientific Journal	2020	5	0	NICHE
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	2020	15	0	NICHE
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	2020	21	0	NICHE
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	2020	4	0	NICHE
Wiener polynomial and degree distance polynomial of some graphs	Jeyanthi D.A., Selvarajan T.M.	Advances in Mathematics: Scientific Journal	2020	5	0	NICHE
Unitary divisor addition cayley graphs	Thilaga C., Sarasija P.B.	Advances in Mathematics: Scientific Journal	2020	5	0	NICHE
Load Based Key Generation for MANETs: A Comparative Study with DSR and AODV	Shibu K.R., Suji Pramila R.	Wireless Personal Communications	2020	60	0	NICHE
Early diagnose breast cancer with PCA-LDA based FER and neuro-fuzzy classification system	Preetha R., Jinny S.V.	Journal of Ambient Intelligence and Humanized Computing	2020	41	4	NICHE
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	2020	41	0	NICHE
Challenges on machining characteristics of natural fiber-reinforced composites – A review	Raj S.S.R., Dhas J.E.R., Jesuthanam C.P.	Journal of Reinforced Plastics and Composites	2020	64	4	NICHE
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	2020	21	0	NICHE
Forecasting the impact of social media advertising among college students using higher order statistical functions	Zenith.N. M., Radhika R.	Scalable Computing	2020	18	0	NICHE
Optimization based routing model for the dynamic path planning of emergency vehicles	Jose C., Vijula Grace K.S.	Evolutionary Intelligence	2020	26	0	NICHE
Complete cototal edge domination number of certain graphs	Maria Regila Baby J., Uma Samundesvari K.	Advances in Mathematics: Scientific Journal	2020	5	0	NICHE
A comparative analysis of energy efficient mobile offloading mechanisms	Anoop S., Amar Pratap Singh J.	International Journal of Advanced Trends	2020	18	0	NICHE

		in Computer Science and Engineering				
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	2020	2	0	NICHE
A novel combined point detection and feature extraction method for early detection of alzheimer's disease	Dinu A.J., Manju R., Ganesan R.	Journal of Critical Reviews	2020	12	0	NICHE
Restoration of compressed image using hard thresholding method	Sujithra M.S., Sugitha N.	International Journal on Emerging Technologies	2020	6	0	NICHE
Real-time traffic signal management system for emergency vehicles using embedded systems	Jose C., Vijula Grace K.S.	Lecture Notes in Electrical Engineering	2020	33	0	NICHE
Voting-based ensemble of unsupervised outlier detectors	Thomas R., Judith J.E.	Lecture Notes in Electrical Engineering	2020	33	2	NICHE
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	2020	33	0	NICHE
Energy-conserving cluster method with distance criteria for cognitive radio networks	Sumi M.S., Ganesh R.S.	Lecture Notes in Electrical Engineering	2020	33	0	NICHE
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	2020	33	0	NICHE
A comparative study on data cleaning approaches in sentiment analysis	Mohamed Zakir H., Vinila Jinny S.	Lecture Notes in Electrical Engineering	2020	33	0	NICHE
Robust adaptable segmentation-based copy move forgery detection method	Dhanya R., KalaiSelvi R.	Lecture Notes in Electrical Engineering	2020	33	0	NICHE
Sybil attack in vanet operating in an urban environment: an overview	Velayudhan N.C., Anitha A.	Lecture Notes in Electrical Engineering	2020	33	0	NICHE
A comparative performance analysis of different denoising techniques in sputum smear images	Shafeen Nagoor M., Vinila Jinny S.	Lecture Notes in Electrical Engineering	2020	33	0	NICHE
Enhanced Cluster Head Selection Approach for small scale and large scale network in WSN for improving energy efficiency	Selvalakshmi M., Jeyakumar M.K.	SSRG International Journal of Engineering Trends and Technology	2020	40	0	NICHE
A dimensional data model for healthcare revenue cycle analytics and business intelligence	George J., Jeyakumar M.K.	International Journal on Emerging Technologies	2020	6	0	NICHE
Genetic Algorithm and Particle Swarm Optimization in	Anil Kumar K.R., Das E.R.	Lecture Notes in Mechanical	2020	16	0	NICHE

Minimizing MakeSpan Time in Job Shop Scheduling		Engineering				
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	2020	14	3	NICHE
Protecting big data in public cloud by enhanced RBAC	Dhas J.L.J., Maria Celestin Vigila S.	Indian Journal of Computer Science and Engineering	2020	2	0	NICHE
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	2020	21	0	NICHE
Facebook: A medium in enhancing communication skills in L2 learners	Vivekha S., Rakesh Babu M.	Journal of Critical Reviews	2020	12	0	NICHE
Performance comparison of MIMO-OFDM using weiner hammerstein and CNN equalizers	Shamna A.R., Shanthi S.A.	Journal of Critical Reviews	2020	12	0	NICHE
Socio feminist issues in the select novels of Chetan Bhagat	Titus Livingston E., Rakesh Babu M.	Journal of Critical Reviews	2020	12	0	NICHE
The smashed selfhood: Toni Morrison's Sula as an abandoned Black lady	Abigail V., Rakesh Babu M.	Journal of Critical Reviews	2020	12	0	NICHE
De-Tumbling Controller of NIUSAT: Design, Simulation and On-Orbit Performance	Aaron Raphael Raja F., Diwan V., Samuel K.	Lecture Notes in Mechanical Engineering	2020	16	0	NICHE
Conflict and compromise in Bhabani Bhattacharya's shadow from ladakh	Ahalya T., Bindhu V.S.	Journal of Critical Reviews	2020	12	0	NICHE
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	2020	12	0	NICHE
A Comparative Study of Thresholding Based Defect Detection Techniques	Aslam Y., Santhi N.	Lecture Notes on Data Engineering and Communications Technologies	2020	40	0	NICHE
Forgotten polynomial of subdivision graphs	Ahila Jeyanthi D., Selvarajan T.M.	Journal of Advanced Research in Dynamical and Control System-s	2020	21	0	NICHE
Dominating sets and domination polynomial of fan related graphs	Selvarajan T.M., Ahila Jeyanthi D.	Journal of Advanced Research in Dynamical and Control Systems	2020	21	0	NICHE
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	2020	21	0	NICHE
Gravitational search algorithm based rnfl segmentation for early stage alzheimer's	Das N.S., Palanikumar S.	Journal of Critical Reviews	2020	12	0	NICHE

detection						
Organization culture and employee performance in it industry in India	Shamsudin S., Velmurugan V.P.	International Journal of Psychosocial Rehabilitation	2020	40	0	NICHE
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	2020	12	0	NICHE
Empirical study on gastric cancer diagnosis using gastroenterology images	Ravindran Z., Kumar S.P.	Journal of Critical Reviews	2020	12	0	NICHE
An optimized artificial neural network for epileptic seizure detection	Phareson Gini A., Flower Queen M.P.	Test Engineering and Management	2020	10	0	NICHE
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	2020	12	0	NICHE
Perception towards the problems of e-banking among the new users at Thiruvananthapuram district	Dhanya B.K., Velmurugan V.P.	Journal of Critical Reviews	2020	12	0	NICHE
Security issue in implantable medical device: A comprehensive survey	Ameer A.M., Jose M.V.	Journal of Critical Reviews	2020	12	0	NICHE
Model of implanted electrocardiogram (ECG) monitoring	Ameer A.M., Jose M.V.	Journal of Critical Reviews	2020	12	0	NICHE
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	2020	16	2	NICHE
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	2020	0	0	NICHE
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	2020	9	0	NICHE
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	2020	41	0	NICHE
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	2020	41	0	NICHE
Optimized and Dynamic Selection of Cluster Head Using Energy Efficient Routing Protocol in WSN	Shyjith M.B., Maheswaran C.P., Reshma V.K.	Wireless Personal Communications	2020	60	0	NICHE
Chicken-moth search optimization-based deep convolutional neural network for image steganography	Reshma V.K., Od Kumar. R.S., Shahi D., Shyjith M.B.	Scalable Computing	2020	18	0	NICHE
A novel method for mapping plaintext characters to elliptic	Varghese S., Vigila S.M.C.	International Journal of	2020	6	0	NICHE

curve affine points over prime field and pseudorandom number generation		Computer Information Systems and Industrial Management Applications				
Multiband-loaded compact antenna design for wimax/wlan/uhf applications	Sreeja T.K., Jayakumari J., Chandrakala K., Nair R.M., Vasu A.S.	Lecture Notes in Electrical Engineering	2020	33	0	NICHE
A robust tamil text to speech synthesizer using support vector machine (svm)	Femina Jalin A., Jayakumari J.	Lecture Notes in Electrical Engineering	2020	33	0	NICHE
Improved Merkle Hash Tree-Based One-Time Signature Scheme for Capability-Enhanced Security Enforcing Architecture for Named Data Networking	Babu V.J., Jose M.V.	Wireless Personal Communications	2020	60	0	NICHE
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	2020	16	0	NICHE
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	2020	14	0	NICHE
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	2020	12	1	NICHE
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	2020	27	0	NICHE
Content-based image retrieval for mobile devices using multi-stage autoencoders	Aiswarya K.S., Santhi N., Ramar K.	Journal of Critical Reviews	2020	12	0	NICHE
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	2020	26	0	NICHE
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	2020	21	0	NICHE
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	2020	21	1	NICHE
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	2020	21	0	NICHE
Validation of PRIMO monte carlo model of clinac®IX 6mv	Sarin B., Bindhu B., Saju B., Nair R.	Journal of Medical Physics	2020	180	0	NICHE

photon beam						
A novel method for classification using multi class-SVM classifier with multi features	Jeslin T., Linsely J.A.	Journal of Critical Reviews	2020	12	0	NICHE
Localization and segmentation of metal cracks using deep learning	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Journal of Ambient Intelligence and Humanized Computing	2020	41	1	NICHE
An analysis of third-party logistics market in the United Arab Emirates	Ashok R., Rajesh R.	International Journal of Supply Chain Management	2020	17	0	NICHE
Fusion of underwater images based on tetrolet transform & color correction algorithms	Sarath D., Sucharitha M.	Journal of Advanced Research in Dynamical and Control Systems	2020	21	0	NICHE
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	2020	27	0	NICHE
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	2020	27	0	NICHE
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	2020	18	1	NICHE
Detection and classification of breast cancer from digital mammograms using hybrid extreme learning machine classifier	Melekoodappattu J.G., Subbian P.S., Queen M.P.F.	International Journal of Imaging Systems and Technology	2020	45	0	NICHE
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	2020	33	0	NICHE
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	2020	18	0	NICHE
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	2020	18	2	NICHE
Prediction of process parameters in electrical discharge machining using response surface methodology and ANN: An experimental study	Chenthil Jegan T.M., Chitra R., Thangarasu V.S.	International Journal of Business Intelligence and Data Mining	2020	19	0	NICHE
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	2020	32	0	NICHE
A Sustainable Green Façade Retrofit for An Iconic Built	Varghese J.T., Thomas S., Herbert J.	Lecture Notes in Civil Engineering	2020	7	1	NICHE

Structure: A Case Study at SAINTGITS						
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	2020	47	0	NICHE
A short analysis on the morphological characterization of colloidal quantum dots for photovoltaic applications	Najeeb M.A., Ahmad Z., Balamurugan S., Sulaiman K., Shakoor R.A.	Current Nanoscience	2020	44	0	NICHE
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	2020	27	3	NICHE
Effects of microplastics and nanoplastics on marine environment and human health	Sana S.S., Dogiparthi L.K., Gangadhar L., Chakravorty A., Abhishek N.	Environmental Science and Pollution Research	2020	113	0	NICHE
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 Biomolecular Structure and Dynamics	2020	69	0	NICHE
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	2020	57	2	NICHE
Noise removal using various filters based on PSNR & MSE in fingerprint biometrics	Mohamed Khan H., Venkadesh P.	International Journal of Advanced Science and Technology	2019	15	0	NICHE
Research perspectives and state-of-the-art methods in photovoltaic microgrids	Thangam T., K M., Kazem H.A.	World Journal of Engineering	2019	9	0	NICHE
Parametric Analysis on Enhanced Facial Emotion Recognition with Weight Optimized Neural Network	Devi B., Preetha M.M.S.J.	Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019	2019	0	0	NICHE
HEP-2 CELL CLASSIFICATION by ADAPTIVE CONVOLUTIONAL LAYER BASED CONVOLUTIONAL NEURAL NETWORK	Manju C.C., Jose M.V.	Biomedical Engineering - Applications, Basis and Communications	2019	22	0	NICHE
A comparative study of photo-neutron production from flattened and unflattened beams in a medical linear accelerator	Rajesh K.R., Musthafa M.M., Raj H., Joseph N., Ganapathi Raman R.	Indian Journal of Public Health Research and Development	2019	18	0	NICHE
Neuroprotective behaviour of	Rajalakshmi S.,	Gene Reports	2019	9	0	NICHE

Phyllanthus emblica (L) on human neural cell lineage (PC12) against glutamate-induced cytotoxicity	Vijayakumar S., Praseetha P.K.					
GABC based neuro-fuzzy classifier with hybrid features for ECG Beat classification	Muthuvel K., Anto S., Alexander T.J.	Multimedia Tools and Applications	2019	70	0	NICHE
In silico studies on CNR1 receptor and effective cyanobacterial drugs: Homology modelling, molecular docking and molecular dynamic simulations	Manogar P., Vijayakumar S., Rajalakshmi S., Pugazhenth M., Praseetha P.K., Jayanthi S.	Gene Reports	2019	9	1	NICHE
Evaluation of antioxidant and cytotoxic activity of marine red alga scinaia furcellata (Turner) j.agardh	Sornalakshmi V., Tresina P.S., Paulpriya K., Mohan V.R.	International Journal of Advanced Science and Technology	2019	15	0	NICHE
Highly accurate HEp-2 specimen image segmentation and classification using LBP and HoG using CNN classifier	Manju C.C., Victor Jose M.	Proceedings of the 2019 9th International Conference on Advances in Computing and Communication, ICACC 2019	2019	0	0	NICHE
A Review of Deep Learning Approaches for Image Analysis	Aslam Y., Santhi N.	Proceedings of the 2nd International Conference on Smart Systems and Inventive Technology, ICSSIT 2019	2019	0	0	NICHE
Evaluating the performance metrics of different machine learning classifiers by combined feature extraction method in Alzheimer's disease detection	Dinu A.J., Ganesan R., Kumar S.S.	International Journal of Emerging Trends in Engineering Research	2019	14	5	NICHE
Liver segmentation techniques of CT images for clinical diagnosis	Anusha Linda Kostka J.E., Vinila Jinny S.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Vertex and edge padmakar-ivan indices of unitary cayley graphs	Philipose R.S., Balakrishnan S.P.	Missouri Journal of Mathematical Sciences	2019	10	0	NICHE
Improved EGC method for increasing detection in cognitive radio networks	M.S. S., R.S. G.	Computer Communications	2019	105	0	NICHE
Brain tumor detection and segmentation using a wrapper based genetic algorithm for optimized feature set	Aswathy S.U., Glan Devadhas G., Kumar S.S.	Cluster Computing	2019	50	1	NICHE
Segmentation of chondroblastoma from medical images using modified region growing algorithm	Anshad P.Y.M., Kumar S.S., Shahudheen S.	Cluster Computing	2019	50	0	NICHE
Intelligent fuzzy enabled malicious node identification on routing and certificate	Rajkumar K., Jeyakumar M.K.	International Journal of Advanced Science	2019	15	0	NICHE

authority oriented secure communication over wireless ad-hoc network		and Technology				
Demanding energy efficient mobile computational offloading scheme using machine learning approach	Anoop S., Amar Pratap Singh J.	International Journal of Advanced Science and Technology	2019	15	0	NICHE
An autonomous res based system to improve power quality using DVR with ANN controller technique	Bindhu V.S., Regis Prabha D.M.M.S.	Journal of Green Engineering	2019	10	0	NICHE
Design and analysis of 32-bit reverse converter based on low power parallel prefix adder	Daphni S., Vijula Grace K.S.	International Journal of Engineering and Advanced Technology	2019	18	0	NICHE
Multi-objective based adaptive meta-heuristic algorithm for optimal multicast route selection in wireless ad-hoc network	Rajkumar K., Jeyakumar M.K.	International Journal of Engineering and Advanced Technology	2019	18	1	NICHE
Assessment on divergent reinforced polymeric composites of natural fiber	Albert Seldon P., Abilash N.	International Journal of Mechanical and Production Engineering Research and Development	2019	23	1	NICHE
A novel selected subcarrier method for digital video broadcasting	Chandra Kala K., Jaya Kumari J., Sreeja T.K.	International Journal of Engineering and Advanced Technology	2019	18	0	NICHE
Detection of surface coating defects using fuzzy C-means clustering with firefly optimization	Aslam Y., Santhi N., Ramasamy N., Ramar K.	International Journal of Engineering and Advanced Technology	2019	18	1	NICHE
Secure data replication management scheme with better data accessibility	Jayalekshmi M.B., Krishnaveni S.H.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Applying empirical thresholding algorithm for a keystroke dynamics based authentication system	Venugopal P.C., Viji K.S.A.	Journal of Information and Communication Technology	2019	11	2	NICHE
Amino acid composition of wild yam (<i>Dioscorea</i> spp.)	Doss A., Tresina P.S., Mohan V.R.	Food Research	2019	163	1	NICHE
Envisaging the Academic Performance of Students	Babu I., Balan R.V.S., Mathai P.P.	Proceedings - 2019 International Conference on Computing, Communication, and Intelligent Systems, ICCICIS 2019	2019	0	0	NICHE
An experimental research on the effect of biopolymers and nano materials on cohesive soil	Veena V.L., Prakash Arul Jose J., Vijayan A.	International Journal of Engineering and	2019	18	0	NICHE

		Advanced Technology				
Durability properties of modified self compacting concrete with recycled concrete aggregate	Frank Stephen S., Chockalingam M.P., Nalanth N.	International Journal of Engineering and Advanced Technology	2019	18	0	NICHE
An experimental study on surface modifier assisted exfoliation of molybdenum disulphide in a mixed solvent	Sreekumar K., Bindhu B., Veluaraja K., Reena V.L.	Rasayan Journal of Chemistry	2019	22	2	NICHE
Microstructure and mechanical properties of hot extruded mg-3zn-1cu-0.7mn alloy produced by powder metallurgy	Silan Tharakan S., Sivapragash M., Suneesh E.	International Journal of Mechanical and Production Engineering Research and Development	2019	23	0	NICHE
Transparent ZnO thin films grown by RF magnetron sputtering for opto-electronic applications	Divya G., Gangadhar L., Kumar K.S.	International Journal of Advanced Science and Technology	2019	15	0	NICHE
A brief review on synthesis of metal oxide based nano-composites and their photocatalytic applications	Sasikanth S.M., Ganapathi Raman R.	International Journal of Advanced Science and Technology	2019	15	0	NICHE
Retinal fundus image research for diagnosis of diabetic maculopathy	Thomas J., Angel Viji K.S.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Evaluation of bactericidal activity of garcinia gummi-gutta and gymnema sylvestre-a plant of ethano medicinal importance	Vibala B.V., Praseetha P.K.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Evaluation of rules and regulation of construction and demolition waste management (CDWM) in India	Rema R., Nalanth N.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
U-slot patch antenna using space reduction optimization	Subramanian P., Sujatha Therese P.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Research on self compacting geopolymer concrete	Thavasumony D., Nalanth N.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Optimized fuzzy based malicious node detection on routing and certificate authority based secure communication in wireless Ad-HOC network	Rajkumar K., Jeyakumar M.K.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
A research on automation diagnosis of pattern recognition in stained HEP-2 cells	Manju C.C., Victor Jose M.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
A research on breast cancer prediction using data mining	Preetha R., Vinila Jinny S.	International Journal of	2019	40	1	NICHE

techniques		Innovative Technology and Exploring Engineering				
Malicious node detection on routing via certificate authority and optimal fuzzy for wireless ad-hoc network	Rajkumar K., Jeyakumar M.K.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Impact of resistive open faults on inverter chain and 7t sram	Gangaiah Yadav C., Vijula Grace K.S.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Encryption techniques to ensure data confidentiality in cloud	Reena Catherine V., Shajin Nargunam A.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Perception of customers towards employees in organised retail sector	Nair S.K., Chandrachoodan Nair B.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
A relative method of video coding using different wavelets with SPIHT	Nithin S.S., Suresh L.P.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Effect of Mn3O4 on the dielectric characteristics of Cdo-Mn3O4 nanocomposites	Sagi Rani C., Joseph John N.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Centroid distance neighbourhood features and genetic algorithm optimization for leaf disease detection	Swapna C., Shaji R.S.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Medicinal Implication of Syzygium Cumini Nut on the Growth of Brushite Crystals	Bindhu B., Veluraja K.	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2019	0	0	NICHE
Non linearity mitigation and dispersion reduction using Busgang theorem, modified MSE and improved MLE equalizers	Mathews A.B., Glan Devadhas G.	Microprocessors and Microsystems	2019	33	3	NICHE
Detection of duplicated data with minimum overhead and secure data transmission for sensor big data	Beulah S., Dhanaseelan F.R.	Cluster Computing	2019	50	1	NICHE
Performance of spatial frequency discrete wavelet transform based remote sensing image fusion algorithm	Joy J., Santhi N., Jayamohan S., Ramar K.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Effect of resampling on the performance and execution speed of adaptive marginalized	Jayamohan S., Santhi N., Joy J., Ramar K.	International Journal of Recent Technology and	2019	20	0	NICHE

particle filter		Engineering				
An effect of stress relieving on the microstructural and mechanical properties of Mg-3Zn-1Cu-0.7Mn/ AL2O3 composite: Synthesized By Powder Metallurgy	Silan T.S., Sivapragash T., Suneesh E.	International Journal of Mechanical and Production Engineering Research and Development	2019	23	0	NICHE
Point biserial correlated feature selection of weather data	Pooja S.B., Siva Balan R.V.	International Journal of Engineering and Advanced Technology	2019	18	0	NICHE
A secure boot loader system for loading an operating system with fingerprint authentication	Sebastian A., Siva Sankar K.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Random Bit Extraction for Secret Key Generation in MANETs	Shibu K.R., Suji Pramila R.	Wireless Personal Communications	2019	60	2	NICHE
A research on detection and classification of breast cancer using k-means gmm & CNN algorithms	Shamy S., Dheeba J.	International Journal of Engineering and Advanced Technology	2019	18	1	NICHE
Mechanical properties of concrete and hollow concrete blocks containing steel and nylon fibres	Sunil J., Ravikumar M.S.	International Journal of Engineering and Advanced Technology	2019	18	0	NICHE
Time conserving multi-label classification system by incorporating pyramid data structure	Jeyasheela Y., Krishna Veni S.H.	International Journal of Engineering and Advanced Technology	2019	18	0	NICHE
Metallic surface coating defect detection using firefly based adaptive thresholding and level set method	Aslam Y., Santhi N., Ramasamy N., Ramar K.	International Journal of Innovative Technology and Exploring Engineering	2019	40	3	NICHE
A novel text to speech technique for tamil language using hidden Markov models (HMM)	Femina Jalin A., Jaya Kumari J.	International Journal of Innovative Technology and Exploring Engineering	2019	40	1	NICHE
A novel feature descriptor for automatic change detection in remote sensing images	Dalmiya C.P., Santhi N., Sathyabama B.	Egyptian Journal of Remote Sensing and Space Science	2019	34	3	NICHE
A methodological review on attack and defense strategies in cyber warfare	Shaji R.S., Sachin Dev V., Brindha T.	Wireless Networks	2019	89	0	NICHE
Consent based Access Control Mechanism for Encrypted Medical Image	Mancy L., Celestin Vigila S.M.	2019 2nd International Conference on Intelligent Computing, Instrumentation	2019	0	0	NICHE

		and Control Technologies, ICICICT 2019				
Identification and molecular phylogenetic relationship of selected medicinal plants-ethano medicinal importance	Gangadhar L., Praseetha P.K.	Indian Journal of Public Health Research and Development	2019	18	1	NICHE
Evaluating the biological potential of phyto-compounds from Myristica fragrans Seeds	Vibala B.V., Praseetha P.K.	Indian Journal of Public Health Research and Development	2019	18	0	NICHE
Trusted detection of ransom ware using machine learning algorithms	Shemitha P.A., Dhas J.P.M.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Attaining fluency in the language classroom at college level	Jeya Gowri K., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
PSO research on cutting parameters in AWJM process for aluminum 6061 alloy	Jai Aultrin K.S., Dev Anand M., Rajesh R., Muthu Sherin S.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Prediction of EDM process parameters for aisi 1020 steel using RSM, GRA and ANN	Rajesh R., Dev Anand M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Targeting communicative competence through poetry as a tool	Deepa P., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
A research on wind tunnel on drag reduction in aircraft wing by inducing surface roughness	Janardhanan R.I., Rajendran A.R., Anand D., Prakash	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Plickers: A tool for language assessment in the digital age	Jinu R., Shamna Beegum S.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Linear program boosting classification with remote sensed big data for weather forecasting	Pooja S.B., Siva Balan R.V.	International Journal of Advanced Trends in Computer Science and Engineering	2019	18	3	NICHE
Analysis of photo neutron production from the patient during radiotherapy treatment using CR 39 SSNTD	Rajesh K.R., Ganapathi Raman R.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Analysis of photo neutron dose to patient from a 15 MV linear accelerator	Rajesh K.R., Ganapathi Raman R.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Preparation and characterization of few layered mos2 nano flakes	Gopika M.S., Bindhu B.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Denoising in magnetic resonance images using	Wilson B., Dhas J.P.M.	International Journal of Recent	2019	20	0	NICHE

improved gaussian smoothing technique		Technology and Engineering				
Secured storage of big data in cloud	Reena M.J., Shajin Nargunam A.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Preprocessing big data for efficient storage and research	Reena M.J., Shajin Nargun A.	International Journal of Recent Technology and Engineering	2019	20	1	NICHE
Flipped classroom: A paradigm shift in english language teaching	Rakesh Babu M., Vivekha S.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Quotient square sum cordial labeling	Selvarajan T.M., Raveendran S.	International Journal of Recent Technology and Engineering	2019	20	1	NICHE
Synthesis and characterization of graphene quantum dots from turmeric powder (Berberis aristata) and its biomedical applications	Anooj E.S., Suganthi V., Praseetha P.K.	Indian Journal of Public Health Research and Development	2019	18	0	NICHE
Evaluating the biological applications of Myristica fragrans seeds for bactericidal and cytotoxic effects	Vibala B.V., Suganthi V., Praseetha P.K.	Indian Journal of Public Health Research and Development	2019	18	1	NICHE
Enhancement in segmentation of brain tumors on MRI using region growing algorithm	Shiny K.V., Sugitha N., Swaminathan B., Bhuvaneswaran B.	Indian Journal of Public Health Research and Development	2019	18	0	NICHE
Video coding of various decomposition with encoding techniques	Nithin S.S., Padma Suresh L.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Behaviour of self compacting concrete columns with recycled brick aggregates	Sivamalar C., Nalanth N., Dhanalakshmi K.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Machine learning approaches used for prediction in diverse fields	Babu I., Siva Balan R.V., Mathai P.P.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
ANN based improved regenerative braking system on pv/battery powered electric vehicles with single stage interaction converter	Jambulingam S., Mary Synthia Regis Prabha D.M.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Trusted secure routing for mobile adhoc networks using hybrid trust model	Anugraha M., Krishnaveni S.H.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Optimization of cutting parameters in hard turning of OHNS steel	Raj A., Leo Dev Wins K., Dev Anand M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Mathematical modelling and volume prediction of metal	Ajith Raj R., Dev Anand M.,	International Journal of Recent	2019	20	0	NICHE

melted by electron beam welding in copper and stainless steel 304 dissimilar metal joints	Ramabalan S.	Technology and Engineering				
Intelligence decision making of fault detection and fault tolerances method for industrial robotic manipulators	Sivasamy D., Dev Anand M., Anitha Sheela K.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Multi-objective optimization of AWJM of lead tin alloy by GRA	Dev Anand M., Jai Aultrin K.S., Ramanan G., Neela Rajan R.R.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Occupational hazards of cashew workers in Kerala	Kinslin D., Jaya Kumar D.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Robot forward and inverse kinematics research using matlab	Sivasamy D., Dev Anand M., Anitha Sheela K.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Scheduling schemes in dynamic multilevel packet scheduling in WSN	Priscilla Joy R., Dheeba J.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Hollow beams strengthened with steel fibres and FRP wrapping	Jeyakumar A., Ravikumar M.S., Nalanth N.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Joint behavior of self compacting concrete using recycled concrete aggregate and hybrid steel fibers	Frank Stephen S., Chockalingam M.P., Nalanth N.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Research on photo neutron dose to patient by (n, p) reaction from a 15 MV linear accelerator	Rajesh K.R., Raman R.G.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Wiener and hyper-wiener indices of unitary addition cayley graphs	Thilaga C., Sarasija P.B.	International Journal of Recent Technology and Engineering	2019	20	2	NICHE
Retinal exudates detection using binary operation and hard exudates classification using support vector machine	Pradeep A., Joseph X.F.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Fpga based random pulse width modulation for three phase VSI	Sreeja P., Padmasuresh L., Muthukumar P.	International Journal of Recent Technology and Engineering	2019	20	2	NICHE
An enhanced genetic algorithm for assembly planning	Dev Anand M., Kumanan S., Girish R.R., Selvaraj T., Asokan P.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Growth and characterization of organic material 3,4,5-trimethoxybenzaldehyde single crystal for optical applications	Jebin R.P., Suthan T., Rajesh N.P., Vinitha G.	Optics and Laser Technology	2019	76	3	NICHE
Investigation on temperature distribution during friction stir welding of dissimilar magnesium alloys	Unnikrishnan M.A., Edwin Raja Dhas J.	International Journal of Mechanical and Production	2019	23	0	NICHE

		Engineering Research and Development				
Effect of clock gating in conditional pulse enhancement flip-flop for low power applications	John K., Vinod Kumar R.S., Kumar S.S.	Indonesian Journal of Electrical Engineering and Informatics	2019	8	4	NICHE
Quantum chemical calculations of 3-methoxybenzonitrile for NLO applications	Sugirtha Suni N.Y., Ganapathi Raman R.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
A green approach to sustainable energy using quantum dots	Gangadhar L., Praseetha P.K.	International Journal of Recent Technology and Engineering	2019	20	1	NICHE
An Improved Text to Speech Technique for Tamil Language Using Hidden Markov Model	Jayakumari J., Jalin A.F.	2019 7th International Conference on Smart Computing and Communications, ICSCC 2019	2019	5	0	NICHE
A novel building detection technique using image descriptor CPMID in urban area	Singarayan K., Kamalam J.M.	International Journal of Intelligent Engineering and Systems	2019	15	0	NICHE
Energy based wavelet and multilevel classifier for efficient leaf recognition	Swapna C., Shaji R.S.	International Journal of Engineering and Advanced Technology	2019	18	0	NICHE
Intensity index based histogram equalization technique for retinal image enhancement and classification of hard exudates using supervised learning	Pradeep A., Joseph X.F.	International Journal of Engineering and Advanced Technology	2019	18	1	NICHE
Highly accurate emergency vehicle management for multiple path using support vector machine based predictor	Jose C., Vijula Grace K.S., Asha Beaula C.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Research on murmur from time domain features of heart sounds	Careena P., Mary Synthuja Jain Preetha M., Arun P.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
XSS attack prevention over code injection vulnerabilities in web applications	Joylin Bala K., Babu Raj E., Anusha Bamini A.M.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Spatial frequency discrete wavelet transform image fusion technique for remote sensing applications	Jinju J., Santhi N., Ramar K., Sathya Bama B.	Engineering Science and Technology, an International Journal	2019	50	8	NICHE
Effect of welding on pitting and intergranular corrosion behavior of marine grade	Shamsudeen S., John E.R.D.	Materials Performance and Characterization	2019	12	2	NICHE

aluminum alloy						
Learning strategies for cognitive development to enhance the speaking skills in second language	Sreena S., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Paradigms of second language acquisition: A neurolinguistic perspective	Delbio A., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
An in-depth study on the application of Gum Arabic: A biopolymer	Nair R.M., Bindhu B.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Transmitting antenna number optimization for smart base station using per cell spectral efficiency analysis	Rajesh K.P., Mary Synthuja Jain Preetha M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
A Review on friction stir spot welding joints of dissimilar aluminium alloys	Anton Savio Lewise K., Edwin Raja Dhas J.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Acquiring second language skills through programmed instruction: A study	Abdul Majeed C.T., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Language teaching through pedagogic model of CBI: An overview with reference to secondary level students	Vinita V.J., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
The basic principles of speaking techniques: A study based on the types of performances in a classroom	Sreena S., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
The effects of reinforced learning in language acquisition and cognitive process: A study	Alamelu G., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
PV system simulation using various incremental algorithms applied in maximum power point tracking: A Comparative Study	Dev Anand M., Ramasamy N.	International Journal of Recent Technology and Engineering	2019	20	1	NICHE
Racial discourse in blue eye and god help the child	Jinu R., Soman C.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Defeating Endosulfan, the Behemoth and Coca-Cola, the Giant: Life narrative as environmental justice	Jinu R., Scaria D.M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
A comprehensive review on alginates	Sreekumar K., Bindhu B.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
A portrait of ruined and devastated tribal life in Rajam Krishnan's when the kurinji blooms	Jinu R., Suganth R.S.	International Journal of Recent Technology and Engineering	2019	20	3	NICHE
Complete cototal domination number of certain graphs	Uma Samundesvari K., Maria Regila Baby J.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE

		Engineering				
Analysis of per cell spectral efficiency parameters for smart base station controller	Rajesh K.P., Preetha M.M.S.J.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Empowering the learners with second language skills through psychological aspects	Delbio A., Ilankumaran M., Abilasha R.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Theoretical investigations on the structural, vibrational and optical properties of 3-Bromo-4-Methyl Benzonitrile	Sugirtha Suni N.Y., Ganapathi Raman R., Guru Prasad L.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Einstein operations of intuitionistic fuzzy matrices	Selvarajan T.M., Sriram S., Ramya R.S.	International Journal of Recent Technology and Engineering	2019	20	1	NICHE
RNBeads 2.0: Comprehensive analysis of DNA methylation data	Lafta M.H., Gangadhar L.	Annals of Tropical Medicine and Public Health	2019	12	0	NICHE
Neurolinguistic factors in English language learning: A cognitive based study	Sajna Beevi S., Abilasha R., Ilankumaran M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
A review robot fault diagnosis Part II qualitative models and search strategies	Sivasamy D., Dev Anand M., Anitha Sheela K.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Measured aerodynamic coefficients of without and with spiked blunt body at Mach 6	Kalimuthu R., Mehta R.C., Rathakrishnan E.	Advances in Aircraft and Spacecraft Science	2019	12	1	NICHE
Extraction methods and computational approaches for evaluation of antimicrobial compounds from Capparis zeylanica L	Arulmozhi P., Vijayakumar S., Praseetha P.K., Jayanthi S.	Analytical Biochemistry	2019	190	3	NICHE
A Low Complexity Zero Threshold Detector for Bandwidth Efficient Hierarchical Modulated System	Jayakumari J., Chandra Kala K.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	0	0	NICHE
Ionic liquid assisted exfoliation and dispersion of molybdenum disulphide: Synthesis and characterization	Subitha M., Sasikanth S.M., Bindhu B.	AIP Conference Proceedings	2019	75	0	NICHE
Efficient mixed solvent strategy for boron nitride exfoliation	Nair R.M., Surendran V.S., Bindhu B.	AIP Conference Proceedings	2019	75	1	NICHE
The estimation of radiation induced damages on nano-structured nuclear radiation detectors	Lilly C.S., Bindhu B., Midhun C.V., Musthafa M.M., Ganapathi R.R.	AIP Conference Proceedings	2019	75	1	NICHE
Photo-neutron detection using Cr-39 solid state nuclear track detector	Rajesh K.R., Musthafa M.M., Midhun C.V., Naiby J., Raman R.G.	AIP Conference Proceedings	2019	75	0	NICHE
Cascaded biometric system	Sasikala T.S., Siva	International	2019	40	0	NICHE

based on fingerprint and retina for user identity recognition	Sankar K.	Journal of Innovative Technology and Exploring Engineering				
A heuristic research of the designing and evaluation of energy efficiency using dynamic vm consolidation in green cloud data centres	Sajitha A.V., Subhajini A.C.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Synthesis and characterization of graphene quantum dots from nutmeg seeds and its biomedical application	Anooj E.S., Praseetha P.K.	International Journal of Recent Technology and Engineering	2019	20	3	NICHE
Semiconductor quantum dots for performance improvement in solar cells	Gangadhar L., Rajan A., Praseetha P.K.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Enhanced spectral efficiency for 5G massive MIMO system	Rajesh K.P., Mary Synthuja Jain Preetha M.	International Journal of Innovative Technology and Exploring Engineering	2019	40	1	NICHE
VLSI based low power multiply accumulate unit employing kogge stone adder with modified pre-processing and post-processing stages	Rakesh S., Grace K.S.V.	International Journal of Engineering and Advanced Technology	2019	18	1	NICHE
Comparison of classifier strength for detection of retinal hemorrhages	Sreeja K.A., Kumar S.S.	International Journal of Innovative Technology and Exploring Engineering	2019	40	3	NICHE
Evaluation of laterite soil stabilized using polymer sack fibers	Menon J., Ravikumar M.S.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Modified han carlson adder based multiply accumulate unit for low power digital signal processor	Rakesh S., Vijula Grace K.S.	International Journal of Innovative Technology and Exploring Engineering	2019	40	1	NICHE
Improved least mean square algorithm for 5G signals in microwave-photonic link	Mathews A.B., GnanDevadhas G.	International Journal of Engineering and Advanced Technology	2019	18	2	NICHE
An effective automatic detection of lung tumor based on novel optimized chan-vese algorithm	Seelan L.J., Padma Suresh L.	International Journal of Recent Technology and Engineering	2019	18	0	NICHE
A novel biometric authentication system using keystroke dynamics and optimized multilayer	Priya C.V., Angel Viji K.S.	International Journal of Innovative Technology and	2019	40	0	NICHE

perceptron neural network		Exploring Engineering				
A novel design of synchronous counter for low power and high-speed applications	John K., Vinod Kumar R.S., Kumar S.S.	International Journal of Engineering and Advanced Technology	2019	18	8	NICHE
Invitro cytotoxic and anti – cancer studies of polyvinyl alcohol mediated 5fluorouracil conjugated gold nanoparticles	Rajan A., Praseetha P.K., Ariharan V.N., Gopu Kumar S.T.	International Journal of Recent Technology and Engineering	2019	20	1	NICHE
Amassed simulation edification of modelsim and MATLAB by using third harmonic injected sine PWM generation with inverted sine carrier for three phase inverter	Sreeja P., Padmasuresh L., Muthukumar P.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Robust multi-view videos face recognition based on particle filter with immune genetic algorithm	Kumar R.M.S.	IET Image Processing	2019	45	3	NICHE
Characterization, wear surface roughness and tensile failure analysis of Al7075-TiC-MoS2 hybrid composites using online acoustic emission	Ramanan G., Suresh S., Rajesh Prabha N., Edwin Raja Dhas J.	Materials Research Express	2019	35	7	NICHE
Optimization of Fabrication Parameters on Hybrid Fibre Reinforced Polymer Composite by ANN Design	Raj S.S., Pradeep P., Edwin Raja D.J., Gladson D.	2019 Innovations in Power and Advanced Computing Technologies, i-PACT 2019	2019	0	0	NICHE
Iterative gradient ascent expected maximization clustering for weather forecasting	Pooja S.B., Siva Balan R.V.	International Journal of Recent Technology and Engineering	2019	20	3	NICHE
E-anfis to diagnose the progression of chronic kidney disease	Subhashini R., Jeyakumar M.K.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Low power VLSI design of a modified brent kung adder based multiply accumulate unit for reverb engines	Rakesh S., Vijula Grace K.S.	International Journal of Recent Technology and Engineering	2019	20	1	NICHE
Efficient multi-objective particle swarm optimisation based ranking system for cloud service selection	Kunhambu D.V., Balan R.V.S.	IET Communications	2019	62	3	NICHE
Analysis of mechanical strength of processed aluminum laminates	Aniber Benin M., Stanly Jones Retnam B., Edwin Sahayaraj M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Vehicular ad hoc network as a supplementary cellular tower by using open BTS	Tripathi V.K., Venkateswari S.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
Optimization of aerodynamic parameters of cropped delta wing with fence at sonic Mach number	Arun M.P., Satheesh M., Edwin Raja Dhas J.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
An investigation study on	Pooja S.B., Siva	Journal of	2019	52	3	NICHE

clustering and classification techniques for weather forecasting	Balan R.V.	Computational and Theoretical Nanoscience				
Parallelization of jump flood-cut method in shared memory multicore systems	Sajan P.P., Kumar S.S.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
Resistive open fault and detection methods for low power nanometric integrated circuits	Gangaiah Yadav C., Vijula Grace K.S.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
A novel modeling of quantum dot sensitized solar cells	Gangadhar L., Praseetha P.K.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
Quality of service aware resource allocation using hybrid opposition-based learning-artificial bee colony algorithm	Shameer A.P., Subhajini A.C.	Journal of Computational and Theoretical Nanoscience	2019	52	1	NICHE
Study of the influence of steel fibres on the behaviour of hollow beams	Jeyakumar A.	International Journal of Civil Engineering and Technology	2019	23	0	NICHE
Morphological and comparative characterization of silk/bamboo fiber reinforced epoxy composite	Subash S., Stanly Jones Retnam B., Edwin Raja Dhas J., Sivapragash M.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
An enhanced image dehazing method for the application in urban computing	Prakash A.J., Christopher F.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
Investigation on microstructural examination of flux bounded TIG weldments in post weld heat treated state	Skariya P.D., Satheesh M., Edwin Raja Dhas J., Chandrasekar G.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
Quantum dot-sensitized solar cells via integrated experimental and modeling study	Gangadhar L., Kannan A., Praseetha P.K.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
A pharmacoinformatic approach on Cannabinoid receptor 2 (CB2) and different small molecules: Homology modelling, molecular docking, MD simulations, drug designing and ADME analysis	Vijayakumar S., Manogar P., Prabhu S., Pugazhenthai M., Praseetha P.K.	Computational Biology and Chemistry	2019	0	3	NICHE
Energy analyses and projected attributes of sustainable retrofits: A Case Study at SAINTGITS	Thomas S., Herbert J., Varghese J.T.	IEEE Region 10 Humanitarian Technology Conference, R10-HTC	2019	0	1	NICHE
A New Approach for Accurate Path Prediction Using Multiple Prediction System	Jose C., Vijula Grace K.S.	Materials Today: Proceedings	2019	47	0	NICHE
A Comprehensive Survey on Optimization Techniques in Image Processing	Aslam Y., Santhi N.	Materials Today: Proceedings	2019	47	0	NICHE
Hot News Detection System Using Rule-Based Technique	Baby S.J., Kalaiselvi R.	Materials Today: Proceedings	2019	47	0	NICHE
Appraisal on Varied Natural	Albert Seldon P.,	Materials Today:	2019	47	0	NICHE

and Artificial Fiber Reinforced Polymeric Composites	Abilash N.	Proceedings				
Indian tribal issues and counteractions in select Indian writings	Jinu R., Suganth R.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	2	NICHE
Visual feature segmentation image of gastric cancer in chromo endoscopic images using islic & srm model	Ravindran Z., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Risk in an influence of web development success on the execution of business strategies	Salinda Eveline Suniram A., Charles J.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Nitro type: Cascading information through gamification to enhance the communication skills of learners	Jinu R., Beegum S.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Features of aestheticism in terry Mcmillan's mama: A cultural analysis	Jinu R., Soman C.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Subaltern modernity in context: The politics of land in the life narrative of seleena prakkanam	Jinu R., Scaria D.M.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Concussion of socio-economic deportment in bhabani bhattacharya's he who rides a tiger	Bindhu V.S., Ahalya T.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Investigation study on secured data communication on 5G cellular networks	Haripriya M.P., Venkadesh P.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Einstein operations on pythagorean fuzzy matrices	Selvarajan T.M., Ramya R.S.	Advances in Mathematics: Scientific Journal	2019	5	0	NICHE
A novel method for CBIR using SVM classifier with multi features	Binisha Rose J., Santhi N.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	1	NICHE
Early detection of alzheimer's disease using predictive k-nn instance based approach and t-test method	A.j. D., R G.	International Journal of Advanced Trends in Computer Science and Engineering	2019	18	5	NICHE
Fault identification for steam boiler tube leakage in thermal power stations using data outlier	Ramanujam N., Kumar R.M.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE

Multi-authority based data fragment technique for secure storage and sharing in cloud computing	Rajeswari S., Kalaiselvi R.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
A study on the usage of social media sites among college students in Tamilnadu	Meena Zenith N., Radhika R.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
A weight based improved double threshold cooperative spectrum sensing for cognitive radio networks	Sumi M.S., Ganesh R.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Analysis of cost estimation model for cost drivers in web application techniques	Salinda Eveline Suniram A., Charles J., Jeyan J.P., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Prewitt texture filter synthesis for efficient image occlusion removal to visualize hidden objects	Arun P.L., Kumar M.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
A survey on methodology based medical image segmentation techniques and their applications	Shanila N., Vinod Kumar R.S., Ramya Ravi R.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	2	NICHE
A review - Studies on heat treatment of laser beam welded Ti, /Al dissimilar sheet metals	Chandran S., Rajesh R., Anand M.D.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Medical image protection using diffusion, substitution and reversible data hiding based on prediction	Mancy L., Vigila S.M.C.	International Journal of Security and Networks	2019	0	0	NICHE
Societal evils in contemporary India from Chetan Bhagat's perspective in revolution 2020	RakeshBabu M., Titus Livingston E.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Opting web services based on selective trust, quality and associative branching in cloud service recommendations	Dileep V.K., Balan R.V.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Appraisal on mechanical possessions of crossbreed natural fiber strengthened polyamide amalgams	Seldon P.A., Abilash N.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Development of optimized EDM parameters for LM25 aluminium composite using prediction tool	Rajesh R., Muhammedshafi N., Mohammed A., Jishnu R., Shihab S., Chandran S.B.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Retrospective study on weld bead profile study of various welding process	Jose P.J., Anand M.D., Rishad S.	Journal of Advanced Research in	2019	21	-	NICHE

		Dynamical and Control Systems				
A study of human resource development practices and patient care quality in health care services with special reference to government hospitals in Thiruvananthapuram district	Gopinadh N.S., Radhika R.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
An overview on the role of government of India in health care sector	Gopinadh N.S., Radhika R.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Adaptive neuro fuzzy controllers for automatic generation control of power system	Menaka D., Khan A.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
A study on the influence of social media characteristics towards online purchase intention among college students	Zenith N.M., Radhika R.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
A review on fundamentals of social media marketing and its strategies	Zenith N.M., Radhika R.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Sparse coding strategies and sparse dictionary learning	Sujithra M.S., Sugitha N.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	1	NICHE
Effect of short fibre orientation on the mechanical characterization of a composite material-hybrid fibre reinforced polymer matrix	Raja D.B.P., Retnam B.S.J.	Bulletin of Materials Science	2019	2	1	NICHE
Design of conditional pulse enhancement flip-flop embedded with clock gating and signal feed-through mechanism	John K., Kumar V.R.S., Kumar S.S.	Journal of Engineering Science and Technology	2019	27	4	NICHE
Novel adaptive segmentation based forgery detection method	Dhanya R., Kalai Selvi R.	Journal of Computational and Theoretical Nanoscience	2019	52	0	NICHE
Circumstantial exploration on trust management perspectives in mobile adhoc networks	Thebiga M., Suji Pramila R.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Software defined networking controller (Sdnc): Survey	Noora V.T., Jinny V.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Comparison of skin lesion segmentation methods	Binu Sathiya S., Kumar S.S.	Journal of Advanced Research in	2019	21	0	NICHE

		Dynamical and Control Systems				
Retinal abnormalities in prodromal stage detection of alzheimer's disease: A review	Das N.S., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Color-texture based feature modeling for content based image retrieval	Ranjith V.G., Jeyakumar M.K., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Color-texture based feature modeling for content-based video retrieval	Ranjith V.G., Jeyakumar M.K., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Weather data and its future selection using principal component regression technique	Pooja S.B., Siva Balan R.V.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	2	NICHE
Assessment of the cloud intrusion detection system: A survey	Varghese M., Jose M.V.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Computational analysis and detection of diabetic maculopathy in retinal images	Thomas J., Viji A.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Methylene blue adsorption from aqueous solution using activated carbon – A review	Praseetha P.K., Krishnaveni M.V.	Research Journal of Chemistry and Environment	2019	18	0	NICHE
Review of machine learning-based intrusion detection techniques for MANETs	Hamza F., Maria Celestin Vigila S.	Lecture Notes in Networks and Systems	2019	14	0	NICHE
A review of the medical image segmentation algorithms	Anusha Linda Kostka J.E.	Lecture Notes in Networks and Systems	2019	14	1	NICHE
AFM-SVM technique for clinical decision making	Subhashini R., Jeyakumar M.K.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Experimentation and weld parameter optimisation using grey fuzzy analysis	Satheesh M., Edwin Raja Dhas J.	International Journal of Industrial and Systems Engineering	2019	27	0	NICHE
Image clustering and retrieval using LTCOP similarity measures	Alan Gowri Phivin V., Subhajini A.C.	International Journal of Engineering Research and Technology	2019	8	0	NICHE
Time conserving CBIR system for fabric images based on color and texture features	Alan Gowri Phivin V., Subhajini A.C.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Network-conscious VM	Sajitha A.V.,	International	2019	20	0	NICHE

placement for energy efficiency in green data centres through dynamic VM consolidation	Subhajini A.C.	Journal of Recent Technology and Engineering				
Optimal design and analysis of various shapes micro-strip antenna's using evolutionary algorithms	Subramanian P., Therese P.S.	International Journal of Engineering Research and Technology	2019	8	0	NICHE
Shielding effectiveness of aluminium sheet for radiation hazard from cell towers	Thulasi D.V., Shanthi S.A.	International Journal of Innovative Technology and Exploring Engineering	2019	40	0	NICHE
Computer aided diagnosis of lung tumor using various classification techniques	Mathews A.B., Jeyakumar M.K.	International Journal of Mechanical and Production Engineering Research and Development	2019	23	1	NICHE
Experimental study on the influence of fibre surface treatments and coconut shell powder addition on the compressive strength, hardness and tribological properties of sisal fibre-natural rubber composites	Gopakumar R., Rajesh R.	International Journal of Enterprise Network Management	2019	10	1	NICHE
Design of a dynamic boot loader for loading an operating system	Sebastian A., Sankar K.S.	Journal of Computer Science	2019	5	1	NICHE
Segmentation of lung from CT using various active contour models	Nithila E.E., Kumar S.S.	Biomedical Signal Processing and Control	2019	4	8	NICHE
Analysis on mechanical and metallurgical characterisation of FBTIG weldments using 15CDV6 steel	Skariya P.D., Satheesh M., Edwin Raja Dhas J., Chandrasekar G.	International Journal of Nano and Biomaterials	2019	1	0	NICHE
Enhanced noise curtailing in long haul multi service 5g cellular optical hybrid networks	Mathews A.B., Devadhas G.G.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	2	NICHE
A review on privacy preserving big data process	Dhas J.L.J., Vigila S.M.C., Star C.E.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Computer aided diagnosis of brain tumor using multiclass SVM classification techniques	Jeslin T., Arul Linsely J.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Fast iterative boundary based in painting using morphological erosion and SSD	Shajahan S., Kumar R.M.S., Raj J.V.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Automatic segmentation, size determination and	Leena Silvester M., Kumar R.M.S.	Journal of Advanced	2019	21	0	NICHE

classification of IVD		Research in Dynamical and Control Systems				
Performance study on eutectic molten salt as a high temperature working fluid in the parabolic trough collector	Jebasingh V.K., Divya Johns J., Arunkumar T.	International Journal of Ambient Energy	2019	27	0	NICHE
Assessment of circular and elliptical absorber tube in solar parabolic trough collector	Jebasingh V.K., Divya Johns J., Arunkumar T.	International Journal of Ambient Energy	2019	27	0	NICHE
Extraction of fetal features from B mode ultrasonograms for efficient diagnosis of down syndrome in first and second trimester	Jeba Shiney O., Amar Pratap Singh J., Priestly Shan B.	Biomedical and Pharmacology Journal	2019	18	0	NICHE
A combined data storage with encryption and keyword based data retrieval using SCDS-TM model in cloud	Divya S.V., Shaji R.S., Venkadesh P.	Malaysian Journal of Computer Science	2019	18	0	NICHE
Protecting location information for privacy preservation and substituting open-bts in an eco-friendly vanet architecture	Tripathi V.K., Venkateswari S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
New analysis of video encoding/decoding using ewt and combination of h. 264/avc and uspiht	Nithin S.S., Padma Suresh L.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Corrosion behaviour of magnesium-hydroxyapatite composite in simulated body fluid	Rejikumar R., Sivapragash M.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Importance of training on emergency management in the new generation retail outlets of Kerala	Roshan R., Kinslin D.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
A Novel Method of Pre-processing Using Dental X-Ray Images by Adaptive Morpho Histo Wavelet Denoising (AMHW) Method	Simon S.G.S., Joseph X.F., Waktola A.T., Senay D.	Communications in Computer and Information Science	2019	51	0	NICHE
A novel method for melanoma classification using fuzzy based HK SVM	Binu Sathiya S., Kumar S.S., Prabin A.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Analysis of ph neutralization using ANFIS based queuing algorithm	Pravin Rose T., Glan Devadhas G.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Spinal canal abnormalities in early stage detection of scoliosis disease: A review	Warrier G.S., Angel Viji K.S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Design of a novel controller to stabilize the dc level of	Bibin Raj V.S., Devadhas G.G.	Journal of Advanced	2019	21	0	NICHE

photovoltaic system for low voltage stand alone applications		Research in Dynamical and Control Systems				
A real time extreme learning machine for software development effort estimation	Pillai K., Jeyakumar M.	International Arab Journal of Information Technology	2019	3	1	NICHE
Automatic nucleus level breast cancer detection system	Gopalakrishnan T., Rajeesh J., Palanikumar S.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	1	NICHE
Identification of person or data using modified square blockwise approach	Denslin Braja D.R., Dharun V.S.	International Journal of Reasoning-based Intelligent Systems	2019	4	0	NICHE
A modified adaptive thresholding method using cuckoo search algorithm for detecting surface defects	Aslam Y., Santhi N., Ramasamy N., Ramar K.	International Journal of Advanced Computer Science and Applications	2019	34	4	NICHE
Experimental study on change in mechanical characteristics of E-glass fibre reinforced epoxy composite by adding carbon nanotube layers	Albert Allen D., Ramanan G., Neela Rajan R.R., Darwins A.K.	Asian Journal of Chemistry	2019	34	0	NICHE
A comprehensive review on the VLSI design performance of different Parallel Prefix Adders	Rakesh S., Grace K.S.V.	Materials Today: Proceedings	2019	47	5	NICHE
A proficient satellite image building detection using fuzzy and neural network techniques	Kala S., Jeyakumar M.K.	International Journal of Engineering Research and Technology	2019	8	0	NICHE
Analysis of fractional order pi controller with cuckoo optimization for multi tank process	Pravin Rose T., Glan Devadhas G.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Design and analysis of 32-bit parallel prefix adders for low power VLSI applications	Daphni S., Grace K.S.V.	Advances in Science, Technology and Engineering Systems	2019	4	1	NICHE
Analysis of EMI reduction in optimised boost converter using analogue PWM chaotic technique	Rex S.R., Mary Synthia Regis Praba D.M.	International Journal of Recent Technology and Engineering	2019	20	1	NICHE
Design of a novel controller to maintain DC level of PV system for low voltage applications	Bibin Raj V.S., Glan Devadhas G.	International Journal of Recent Technology and Engineering	2019	20	0	NICHE
Combined economic and emission dispatch using whale optimisation algorithm	Faseela C.K., Vennila H.	International Journal of Enterprise Network Management	2019	10	0	NICHE
Investigation on effect of geometric, material and load parameters on strength of composites with cutouts	Kumar S.A., Rajesh R.	International Journal of Enterprise Network Management	2019	10	0	NICHE
Embedding machine learning in air traffic control systems to	Madanan M., Hussain N., Velayudhan N.C.,	Journal of Theoretical and	2019	29	1	NICHE

generate effective route plans for aircrafts in order to avoid collisions	Sayed B.T.	Applied Information Technology				
Tensile, impact, flexural and morphological characteristics of pineapple leaf fiber reinforced polylactic acid composites	Darsan R.S., Stanly Jones Retnam B., Sivapragash M.	International Journal of Mechanical Engineering and Technology	2019	9	1	NICHE
Study on the fresh state properties of self compacting concrete modified with recycled concrete aggregate	Frank Stephen S., Chockalingam M.P., Nalanth N., Lekshmy Raghavan P.	International Journal of Civil Engineering and Technology	2019	23	0	NICHE
Mathematical modelling and analysis of hierarchical modulation in AWGN and Rayleigh channel	Chandrakala K., Jayakumari J.	International Journal of Wireless and Mobile Computing	2019	18	2	NICHE
Experimental wear study between piston ring and cylinder liner pair with mahua oil as lubricant for automobiles	Neela Rajan R.R., Pon Suthir Sajan S.S., Ramanan G., Bino Prince Raja D.	International Journal of Vehicle Structures and Systems	2019	16	0	NICHE
Acalypha fruticosa L. Leaf extract mediated synthesis of ZnO nanoparticles: Characterization and antimicrobial activities	Vijayakumar S., Arulmozhi P., Kumar N., Sakthivel B., Prathip Kumar S., Praseetha P.K.	Materials Today: Proceedings	2019	47	3	NICHE
Review on avoiding sybil attack in VANET while operating in an urban environment	Velayudhan N.C., Anitha A., Madanan M., Paul V.	Journal of Theoretical and Applied Information Technology	2019	29	0	NICHE
A review: Sources of silica from agro waste and its extraction methods	Raja S., Ravichandran M., Isaac R.S.R., Abilash N.	Journal of Advanced Research in Dynamical and Control Systems	2019	21	0	NICHE
Effect of pre-soaked light expanded clay aggregate on strength, durability and flexural behaviour of high-performance concrete	Pradeep P., Beenamol, Nair H.S.	Journal of Engineering Science and Technology	2019	27	0	NICHE
Detection of murmur from non-stationarity of heart sounds	Careena P., Mary Synthuja Jain Preetha M., Arun P.	Biomedical and Pharmacology Journal	2019	18	0	NICHE
Performance comparison of MeRMaId-ICA and Np-ICA in composite abdominal electrocardiogram separation	Anisha M., Kumar S.S., Benisha M.	International Journal of Biomedical Engineering and Technology	2019	18	0	NICHE
Multi-objective optimisation of transesterified Jatropha curcas oil using response surface methodology and grey relational analysis	Neela Rajan R.R., Ramanan G., Rajesh R.	International Journal of Ambient Energy	2019	27	1	NICHE
Process parameter correlation in low pressure hydro forming of 6063-O aluminium tubes	Raj J.S.S., Christopher T., Kalaichelvan K.	Mechanika	2019	23	0	NICHE
Structural, optical, morphological and thermal properties of CuO nanoparticles prepared by sol-gel technique	Vella Durai S.C., Ganapathi Raman R., Kumar E., Muthuraj D.	Journal of Nano-and Electronic Physics	2019	18	1	NICHE

In-vitro chick chorioallantoic membrane study of chitosan capped 5-fluorouracil conjugated gold nanoparticles	Rajan A., Praseetha P.K., Hadi Lafta M., Ariharan V.N., Gopu Kumar S.T.	Annals of Tropical Medicine and Public Health	2019	12	0	NICHE
An insight into the molecular and surface state photoluminescence of carbon dots revealed through solvent-induced modulations in their excitation wavelength dependent emission properties	Gharat P.M., Chethodil J.M., Srivastava A.P., Praseetha P.K., Pal H., Dutta Choudhury S.	Photochemical and Photobiological Sciences	2019	101	10	NICHE
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	2019	50	5	NICHE

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3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	14	17	14	7
Presented papers	1	19	0	0
Resource Persons	0	2	1	2

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3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Faculty of Management Studies	Training to HR Staffs	Noorul Islam Institute of Medical Science & Research Foundation, Neyyanttinkara	20000
	Training on Interpersonal Skills	Centre for Management Development, Thycaud, Thiruvananthapuram	21000
	Training to Front Office Staffs	Noorul Islam Institute of Medical Science & Research Foundation, Neyyanttinkara	19800
Nanotechnology	Testing and Analysis	Industry and Academia	149400
Physics	Laboratory work	Emmanuel College, Vazhichal	12000

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	NIL	NIL

3.6 Extension Activities					
3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year					
Title of the Activities		Organising unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities	
Road Safety Awareness camp		Department of Fire Technology and Safety Engineering & Police Department (Traffic police)	6	60	
Cleanliness Awareness Programme		Department of Computer Applications , Noorul Islam Centre for Higher Education,Kumaracoil	01	20	
Charity Programme		Department of Computer Applications , Noorul Islam Centre for Higher Education,Kumaracoil and Rani Maria Old Age House	01	20	
Mathematics Literacy Programme		Department Of Mathematics, Noorul Islam Centre for Higher Education	2	7	
3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year					
Name of the Activity		Award/recognition	Awarding bodies	No. of Students benefited	
Research		Upgradation from JRF to SRF	Ministry of Science and Technology, New Delhi	-	
3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year					
Name of the scheme		Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such activities
Aids Awareness		Department of Allied Health Sciences, NICHE	World Aids Day	5	25
Awareness program on Hand Washing		Department of Allied Health Sciences, NICHE	Awareness program on Hand Washing	4	20
Tree plantation and watershed management		AICTE and NICHE	NSS	2	29
workshop on emotional intelligence		Department of Physics, NICHE and IIC	Workshop	2	45
COVID -19 Gift to		NICHE	COVID -19 Gift to	1	10

encourage the workers		encourage the workers		
Road safety week	NICHE	Road safety week	1	50
Dr.S.Senthil Saravanan of Sree Buddha Engineering college has given a lecture to our Third year students	NICHE	Dr.S.Senthil Saravanan of Sree Buddha Engineering college has given a lecture to our Third year students	1	20
National Voluntary Blood Donation Day	NICHE	Indian Red Cross Society	1	3
Youth Red cross blood donation by Mechanical Students	NICHE	Youth Red cross blood donation by Mechanical Students	1	15
Financial assistance to medical treatment	NICHE	Our students gave financial assistance to a hospitalized poor students for taking medical treatment	1	5
workshop on Advanced Manufacturing	NICHE	Free workshop on Advanced Manufacturing to nearby Polytechnic students	1	60
Member of FAME supplying food items to poor during COVID -19 pandemic	NICHE	FAME supplying food items to poor during COVID -19 pandemic	1	10
Tree plantation Day	NICHE	Green Campus Initiatives	1	18

3.7 Collaborations

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
Research Collaboration	Reena VL	Siddha Regional Research Laboratory, Poojapura, Trivandrum 695012, India	1 year
Research Collaboration	Reena VL	Siddha Central Research Institute, Central Council for Research in Siddha, Chennai-600106, India	1 year
Research Collaboration	Reena VL	Department of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram 695547, India	1 year
Research work	Edinsha Gladis E.H., Nagashri K., Joseph J.	Research Scholar, Dept. of Chemistry, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu 627012, India; Dept. of Chemistry, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu 629180, India; Dept. of Chemistry, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu 627012, India	3 Years

Research work	Chidhambaram N., Valanarasu S., Ganesh V., Gobalakrishnan S.	Post Graduate and Research Department of Physics, Rajah Serfoji Government College (Autonomous), Tamil Nadu, Thanjavur, 613 005, India; PG and Research Department of Physics, Arul Anandar College, Madurai, 625514, India; Advanced Functional Materials and Optoelectronic Laboratory (AFMOL), Department of Physics, College of Science, King Khalid University, Abha, 61413, Saudi Arabia; Department of Nanotechnology, Noorul Islam Centre for Higher Education (Deemed to Be University), Kumaracoil, Tamil Nadu 629 180, India	3 Years
Research work	Vanitha V., Vijayakumar S., Nilavukkarasi M., Punitha V.N., Vidhya E., Praseetha P.K.	Department of Botany, Arulmigu Palaniandavar Arts College for Women, Cinnakalayamputhur, Palani, Tamil Nadu, India; Computational Phytochemistry Lab, PG and Research Department of Botany, AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur (Dist), Tamil Nadu, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari district, Tamil Nadu 629180, India	3 Years
Research work	Punitha V.N., Vijayakumar S., Sakthivel B., Praseetha P.K.	Computational Phytochemistry Laboratory, PG and Research Department of Botany, A. V. V. M Sri Pushpam College (Autonomous), Poondi, Tamil Nadu, 613503, India; PG and Research Department of Physics, A. V. V. M Sri Pushpam College (Autonomous), Poondi, Tamil Nadu, 613503, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Tamil Nadu, 629180, India	3 Years
Research work	Sebastian S., Vinoth S., Prasad K.H., Revathy M.S., Gobalakrishnan S., Praseetha P.K., Ganesh V., AlFaify S.	PG and Research Department of Physics, Arul Anandar College, Karumathur, Madurai, 625514, India; Department of Electronics and Communication Engineering, Manakula Vinayagar Institute of Technology, Kalitheerthalkuppam, Puducherry, 605107, India; Department of Physics, Institute of Aeronautical Engineering, Dundigal, Hyderabad, India; Department of Physics, School of Advanced Sciences, Kalasalingam Academy of Research and Education, Krishnankoil, 626126, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari, Tamil Nadu 629180, India; Advanced Functional Materials and Optoelectronic Laboratory (AFMOL), Department of Physics,	3 Years

		College of Science, King Khalid University, Abha, 61413, Saudi Arabia	
Research work	Sudha S., Jayaprakash P., Thaya Kumari C.R., Nageshwari M., Vinitha G., Raman R.G., Caroline M.L.	PG & Research Department of Physics, Arignar Anna Govt. Arts College, Cheyyar - 604 407 Tamil Nadu, India; Department of Physics, Dr. Ambedkar Govt. Arts College, Vyasarpadi, Chennai, Tamil Nadu 600039, India; Department of Physics, School of Advanced Sciences, VIT, Chennai, Tamil Nadu 600127, India; Department of Physics, St Joseph's Institute of Technology, OMR, Chennai, Tamil Nadu 600119, India; Department of Physics, Bharath Institute of Higher Education Research, Selaiyur, Chennai, Tamil Nadu 600073, India; Department of Physics, Peri Institute of Technology, Mannivakkam, Chennai, Tamil Nadu 600048, India; Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, 629 180, Kanyakumari Dist Tamil Nadu, India	3 Years
Research work	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.	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil- 629 180, Kanyakumari District, Tamil Nadu, India; Department of Physics, University of Calicut, Malappuram, India	3 Years
Research work	Shantha Seelan K., Ravichandran K., Kavitha P., Praseetha P.K.	Materials Science Research Laboratory, PG and Research Department of Physics, A.V.V.M. Sri Pushpam College (Autonomous) (Affiliated to Bharathidasan University, Tiruchirappalli), Poondi, Thanjavur, Tamil Nadu 613 503, India; PG and Research Department of Zoology and Bio-Technology, A.V.V.M. Sri Pushpam College (Autonomous) (Affiliated to Bharathidasan University, Tiruchirappalli), Poondi, Thanjavur, Tamil Nadu 613 503, India; Research Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumarakovil, Kanyakumari, Tamil Nadu 629 180, India	3 Years
Research work	Vidhya E., Vijayakumar S., Prathipkumar S., Praseetha P.K.	Computational Phytochemistry Lab, PG and Research Department of Botany and Microbiology, A. V. V. M Sri Pushpam College (Autonomous), Poondi, Tamil Nadu, India; Department of Physics, National Institute of Technology, Tiruchirappalli, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Tamil Nadu 629180,	3 Years

		India	
Research work	Vasanthi D.S., Ravichandran K., Kavitha P., Sriram S., Praseetha P.K.	PG & Research Department of Physics, AVVM Sri Pushpam College, Poondi, Thanjavur, Tamil Nadu, India; PG & Research Department of Physics, Kunthavai Naachiyaar Govt. Arts College for Women, Thanjavur, Tamil Nadu, India; PG & Research Department of Zoology and Biotechnology, AVVM Sri Pushpam College, Poondi, Thanjavur, Tamil Nadu, India; Department of Physics, School of Electrical & Electronics Engineering, SASTRA Deemed to Be University, Thanjavur, Tamil Nadu, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India	3 Years
Research work	Bibal Benifa J.V., Venifa Mini G.	Indian Institute of Information Technology, Kottayam, India; Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India	3 Years
Research work	Arshey M., Angel Viji K.S.	Department of Computer Science and Engineering, Noorul Islam Centre for Higher Education, Thuckalay, India; College of Engineering, Kottayam, India	3 Years
Research work	Thangam T., Muthuvel K.	International Maritime College Oman, Sohar, Oman; Noorul Islam Centre for Higher Education, India	3 Years
Research work	Rakesh S., Vijula K.S.G.	Department of ECE, Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu, India; Department of ECE, Mangalam College of Engineering, Ettumanoor, Kerala, India	3 Years
Research work	Durai T.J., Sivapragash M., Vettivel S.C., Aurtherson P.B.	Department of Mechanical Engineering, Noorul Islam University, Kumaracoil, Kanyakumari District, Tamil Nadu, India; Department of Mechanical Engineering, P. S. N College of Engineering and Technology, Melathediyoar, Tirunelveli District, Tamil Nadu, India; Department of Mechanical Engineering, Chandigarh College of Engineering and Technology, Chandigarh, India; Department of Mechanical Engineering, Younus Institute of Technology, Kannanalloor, Kollam, Kerala, India	3 Years
Research work	Dalmiya C.P., Santhi N., Sathyabama B.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kanyakumari, India; Department of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai, India	3 Years
Research work	Thangam T., Muthuvel K.	International Maritime College Oman, Sohar, Oman; Noorul Islam Centre for Higher	3 Years

		Education, India	
Research work	Nair R.M., Bindhu B., V L R.	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, 629180, India; Siddha Regional Research Laboratory, Poojapura, Trivandrum, 695012, India	3 Years
Research work	Manogar P., Vijayakumar S., Praseetha P.K.	PG and Research Department of Botany and Microbiology, AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur (Dist), Tamil Nadu, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari district Tamil Nadu 629180, India	3 Years
Research work	Pradeep A., Joseph X.F.	Department of Electronics and Communication Engineering, Noorul Islam Univeristy, Thuckalay, Kanyakumari District, Tamil Nadu, India; Department of Electrical and Electronics Engineering, NICHE, Bulehora University, Ethiopia	3 Years
Research work	Arunlal S.L., Santhi N., Ramar K.	Noorul Islam Center for Higher Education, Kumaracoil Tamil Nadu, India; Department of Electronics and Communication Engineering, Noorul Islam Center for Higher Education, Kumaracoil, Tamil Nadu, India; Einstein College of Engineering, Tamil Nadu, India	3 Years
Research work	Nair A.T., Muthuvel K.	Department of EEE, KMCT College of Engineering, Calicut, Kallanthode, Kerala, India; Department of EEE, Noorul Islam Centre for Higher Education, Kumaracoil, Tamilnadu, India	3 Years
Research work	Kabila V., Glan Devadhas G.	Noorul Islam Centre for Higher Education, Kumaracoil, Thucklay, India; Vimal Jyothi Engineering College, Kannur, Kerala, India	3 Years
Research work	Vibala B.V., Praseetha P.K., Vijayakumar S.	Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari district Tamil Nadu 629180, India; Computational Phytochemistry Lab, PG and Research Department of Botany and Microbiology, A. V. V. M Sri Pushpam College (Autonomous), Poondi, Tamil Nadu, India	3 Years
Research work	Careena P., Mary Synthuja Jain Preetha M., Arun P.	Department of Electronics and Communication Engineering, Amal Jyothi College of Engineering, Kanjirapally, 686518, India; Department of Electronics and Communication Engineering, Noorul Islam University, Nagercoil, 629180, India; Department of Electronics and Communication Engineering, St. Joseph's College of Engineering and Technology, Palai, 686 579, India	3 Years

Research work	Rose T.P., Devadhas G.G.	Noorul Islam Centre for Higher Education, Noorul Islam University, Kanyakumari, Tamilnadu, India; Department of EIE, Vimal Jyothi Engineering College, Kannur, Kerala,, India	3 Years
Research work	S B.R.V., Devadhas G.G.	Noorul Islam Centre for Higher Education, Thuckalay, Kumarakovil, Tamil Nadu 629180, India; Department of Electronics and Instrumentation Engineering, Vimal Jyothi Engineering College, State Highway 59, Jyothi Nagar, Kannur District, Chemperi, Kerala 670632, India	3 Years
Research work	Pooja S.B., Siva Balan R.V., Anisha M., Muthukumar M.S., Jothikumar R.	Department of Computer Science, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu 629180, India; Department of MCA, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu 629180, India; Department of Biomedical Engineering, Kalasalingam Academy of Research and Education, Anand Nager, Krishnankoil, Tamil Nadu 626126, India; Department of CSE, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu 629180, India; Department of CSE, Shadan College of Engineering and Technology, Hyderabad, Telanagana State 500 008, India	3 Years
Research work	Gopika M.S., Bindhu B., Sandhya K.Y., Reena V.L.	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, 629180, India; Department of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram, 695547, India; Siddha Central Research Institute, Central Council for Research in Siddha, Chennai, 600106, India	3 Years
Research work	Nair A.T., Muthuvel K.	Kmct College of Engineering, Kozhikode, Manassery, Kerala, 673601, India; Department of Electrical and Electronics Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, 629180, India	3 Years
Research work	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Noorul Islam Centre for Higher Education, Department of Electronics and Communication Engineering, Kumaracoil, India; Muthayammal Engineering College (Autonomous) Computing Science, Rasipuram, India	3 Years
Research work	Benifa J.V.B., Mini G.V.	Department of Computer Science and Engineering, Indian Institute of Information Technology, Kottayam, India; Department of Computer Science and Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India	3 Years

Research work	Shyjith M.B., Maheswaran C.P., Reshma V.K.	Department of CSE, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu 629 180, India; Department of CSE, Jawaharlal College of Engineering & Technology, Palakkad, Kerala 679 301, India	3 Years
Research work	Reshma V.K., Od Kumar. R.S., Shahi D., Shyjith M.B.	Research Scholar in Noorul Islam Centre For Higher Education, Kumaracoil, Tamil Nadu, India; Department of CSE, Jawaharlal College of Engineering and Technology, Palakkad, Kerala, India; Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India; Dept. of ECE, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India; Dept of CSE, Jawaharlal College of Engineering and Technology, Palakkad, Kerala, India	3 Years
Research work	Sreeja T.K., Jayakumari J., Chandrakala K., Nair R.M., Vasu A.S.	Noorul Islam University, Thuckalay, India; Mar Baselios College of Engineering and Technology, Trivandrum, Kerala, India	3 Years
Research work	Femina Jalin A., Jayakumari J.	Department of Electronics and Communication Engineering, Noorul Islam University, kumaracoil, Tamil Nadu, India; Mar Baselios College of Engineering and Technology, Thiruvananthapuram, Kerala, India	3 Years
Research work	Darwins A.K., Satheesh M., Ramanan G.	Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Aeronautical Engineering, ACS College of Engineering, Bengaluru, India	3 Years
Research work	Aswani K., Menaka D., Manoj M.K.	Research Scholar, Noorul Islam Center for Higher Education, Kanyakumari, India; Department of AE, Noorul Islam Center for Higher Education, Kanyakumari, India; Department of ECE, MEA Engineering College, Malappuram, India	3 Years
Research work	Chandra Kala K., Jaya Kumari J.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Tamilnadu, India; Mar Baselios College of Engineering and Technology, Kerala, India	3 Years
Research work	Aiswarya K.S., Santhi N., Ramar K.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Tamilnadu, India; Dean in Computing Science, Muthayammal Engineering College (Autonomous), Rasipuram, Namakkal District, India	3 Years

Research work	Reshma V.K., Vinod Kumar R.S., Shahi D., Shyjith M.B.	Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India; Jawaharlal College of Engineering & Technology, Ottapalam, Palakkad, Kerala, India	3 Years
Research work	Binisha Rose J., Santhi N., Ramar K.	Noorul Islam centre for Higher Education, Kanyakumari District, Kumaracoil, Tamilnadu, India; Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kanyakumari District, Kumaracoil, Tamilnadu, India; Computing Science, Muthayammal Engineering College (autonomous), Nammakal District, Rasipuram, Tamilnadu, India	3 Years
Research work	Aiswarya K.S., Santhi N., Ramar K.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kanyakumari District, Kumaracoil, Tamilnadu, India; Muthayammal Engineering College (Autonomous), Namakkal District, Rasipuram, India	3 Years
Research work	Sarin B., Bindhu B., Saju B., Nair R.	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari, Tamil Nadu, India; Division of Radiation Physics, Regional Cancer Centre, C Block, Thiruvananthapuram, Kerala, 695 011, India	3 Years
Research work	Jeslin T., Linsely J.A.	Department of ECE, Universal College of Engineering and Technology, Tamilnadu, India; Dept. of EEE, Noorul Islam Centre for Higher Education, Kanyakumari, Tamilnadu, India	3 Years
Research work	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; R&D, Muthayammal Engineering College, Rasipuram, India	3 Years
Research work	Ashok R., Rajesh R.	Department of Mechanical Engineering, Noorul Islam University, Kumara coil, Tamilnadu, India; Rohini College of Engineering and Technology, Anjugrammam, Tamilnadu, India	3 Years
Research work	Sarath D., Sucharitha M.	Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, India; Malla Reddy College of Engineering & Technology, MaisammagudaTelangana State, India	3 Years
Research work	Aiswarya K.S., Santhi N., Ramar K.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Tamilnadu, 629180, India; Department of	3 Years

		Computer Science Engineering, Einstein College of Engineering, Tirunelveli, Tamilnadu, 627012, India	
Research work	Pradeep P., Beena M.O.L.	Department of Civil Engineering, Noorul Islam University, Thukkulai, Kanyakumari, Tamil Nadu, India; Department of Civil Engineering, LBS College of Engineering (Government of Kerala Undertaking), Kasargode, Kerala, India	3 Years
Research work	Rajesh K.R., Ganapathi Raman R., Musthafa M.M., Midhun C.V., Joseph N.	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil Thuckalay, TamilNadu, India; Department of Physics, University of Calicut, Kerala, India	3 Years
Research work	Unnikrishnan M.A., Edwin Raja Dhas J., Shanavas S.	Dept. of Mech. Engg., Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu, India; Dept. of Automobile Engg., Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu, India; Dept. of Mech. Engg., MEA Engg. College, Malappuram, Perinthalmanna, India	3 Years
Research work	Melekoodappattu J.G., Subbian P.S., Queen M.P.F.	Department of Electronics and Communication Engineering, Vimal Jyothi Engineering College, Kannur, Kerala, India; Department of Electronics and Communication Engineering, ToCH Institute of Science and Technology, Ernakulam, Kerala, India; Department of Electrical and Electronics Engineering, Noorul Islam University, Kumaracoil, Tamilnadu, India	3 Years
Research work	Careena P., Mary Synthuja Jain Preetha M., Arun P.	Department of Electronics and Communication Engineering, Amal Jyothi College of Engineering, Kanjirapally, 686518, India; Department of Electronics and Communication Engineering, Noorul Islam University, Nagercoil, 629180, India; Department of Electronics and Communication Engineering, St. Joseph's College of Engineering and Technology, Palai, 686579, India	3 Years
Research work	Anisha M., Kumar S.S., Benisha M.	Department of Biomedical Engineering, Kalasaligam Academy of Research and Education, Deemed to Be University, Krishnankoil, Tamil Nadu, 626126, India; Department of Electronics and Instrumentation Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, 629180, India; Department of Electronics and Communication Engineering, Jeppiaar Institute of Technology, Chennai, India	3 Years
Research work	Chenthil Jegan T.M., Chitra R., Thangarasu V.S.	Department of Mechanical Engineering, St. Xaviers Catholic College of Engineering, Nagercoil, Kanyakumari, India; Department of	3 Years

		Computer Science and Engineering, Noorul Islam University, Thuckalai, Kanyakumari, 629180, India; Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105, India	
Research work	Ajinsundar S., Rimal Issac R.S., Gopalakrishnan S., Joseph John N.	Department of Physics, St. Jude's College, Tamilnadu Thoothoor, 629176, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Tamilnadu Kumaracoil, 629155, India; Department of Physics, Kamarajar Government Arts College, Tamilnadu Surandai, 627859, India	3 Years
Research work	Varghese J.T., Thomas S., Herbert J.	SAINTGITS College of Engineering, Kottayam, Kerala, India; VIT Vellore, Vellore, Tamil Nadu, India; NICHE, Kumaracoil, Tamil Nadu, India	3 Years
Research work	Rani K.V., Dayana C.T., Therese P.S., Prince M.E.	Department of ECE, Arunachala College of Engineering for Women, Nagercoil, Tamilnadu, India; Department of Computer Science, St. Alphonsa College of Arts and Science, Karinkal, Tamilnadu, India; Department of EEE, Noorul Islam Centre for Higher Education, Kumaracoil, Tamilnadu, India; Physics Department, S.T. Hindu College, Nagercoil, Tamilnadu, India	3 Years
Research work	Raja A., Rajasekaran P., Selvakumar K., Ganapathi Raman R., Swaminathan M.	Department of Physics, Kalasalingam Academy of Research and Education, Krishnankoil, 626126, India; Graduate School of Science and Technology, Shizuoka University, 3-5-1 Joho-ku Naka-ku, Hamamatsu, 432-8011, Japan; Institute of Microstructure and Property of Advanced Materials, Beijing University of Technology, Beijing, 100124, China; Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, 629 180, India; Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnankoil, 626126, India	3 Years
Research work	Vincent V.A., Kailasanathan C., Shanmuganathan V.K., Kumar J.V.S.P., Arun Prakash V.R.	Department of Aeronautical Engineering, Noorul Islam Centre for Higher Education, Kumarakovil, Tamilnadu, India; Department of Mechanical Engineering, Sethu Institute of Technology, Virudhunagar, Tamilnadu, India; Department of Mechanical Engineering, J. N. N Institute of Engineering, Tiruvallur, Tamilnadu, India; Department of Aeronautical Engineering, Veltech Dr. Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamilnadu, India	3 Years

Research work	Vijayan N., Princess R., Raja S.J., Joseph J.	Research and Development Centre, Bharathiar University, Coimbatore, Tamil Nadu 641 046, India; Department of Chemistry, Solamalai College of Engineering, S.V. Raja Nagar, Veerapanjan, Madurai, Tamil Nadu 625 020, India; Department of Biotechnology, Mepco Schlenk Engineering College (Autonomous), Sivakasi–Virudhunagar District, Tamil Nadu 626 005, India; Department of Chemistry, The American College, Madurai, Tamil Nadu 625 002, India; Department of Chemistry, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu 629180, India	3 Years
Research work	Sana S.S., Dogiparthi L.K., Gangadhar L., Chakravorty A., Abhishek N.	School of Chemical Engineering and Technology, North University of China, Taiyuan, 030051, China; Department of Pharmacognosy and Phytochemistry, Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Guntur-522019, Andhra Pradesh, India; Department of Nanotechnology, Noorul Islam Center for Higher Education, Thuckalay, Nagarcoil, Tamilnadu, India; School of Bio Sciences and Technology, Vellore Institute of Technology, Vellore, Tamil Nadu 632014, India; Department of Materials Science and Engineering, Huazhong University of Science and Technology, Wuhan, 430074, China	3 Years
Research work	Sakthivel A., Thangagiri B., Raman N., Joseph J., Guda R., Kasula M., Mitu L.	Department of Chemistry, Mepco Schlenk Engineering College, Sivakasi, India; Research Department of Chemistry, VHNSN College, Virudhunagar, India; Department of Chemistry, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India; Department of Chemistry, Kakatiya University, Warangal, India; Department of Nature Sciences, University of Pitesti, Pitesti, Romania	3 Years
Research work	Thangam T., K M., Kazem H.A.	International Maritime College Oman, Sohar, Oman; Noorul Islam Centre for Higher Education, Thuckalay, India; Sohar University, Sohar, Oman	3 Years
Research work	Rajesh K.R., Musthafa M.M., Raj H., Joseph N., Ganapathi Raman R.	Dept of Physics, Noorul Islam UniversityTamilnadu, India; Dept of Physics, University of CalicutKerala, India	3 Years
Research work	Rajalakshmi S., Vijayakumar S., Praseetha P.K.	Computational Phytochemistry Lab, PG and Research Department of Botany and Microbiology, A. V. V. M Sri Pushpam College (Autonomous), Poondi, Tamil Nadu, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education,	3 Years

		Kumaracoil, Kanyakumari district Tamil Nadu 629180, India	
Research work	Muthuvel K., Anto S., Alexander T.J.	Department of Electrical and Electronics Engineering, Noorul Islam University, Kumaracoil, India; School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, India; Department of Electronics and Communication Engineering, Sathyabama University, Chennai, Tamilnadu, India	3 Years
Research work	Manogar P., Vijayakumar S., Rajalakshmi S., Pugazhenth M., Praseetha P.K., Jayanthi S.	PG and Research Department of Botany and Microbiology; PG and Research Department of Chemistry, AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur (Dist), Tamil Nadu, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Tamil Nadu 629180, India; Computational Drug Design Lab, School of Bio Sciences and Technology, Vellore Institute of Technology, Vellore, Tamil Nadu 632014, India	3 Years
Research work	Sornalakshmi V., Tresina P.S., Paulpriya K., Mohan V.R.	Department of Botany, A.P.C. Mahalaxmi College for Women, Tuticorin, Tamil Nadu 628 002, India; Ethnopharmacology Unit, Research Department of Botany, V.O. Chidambaram College, Tuticorin, Tamil Nadu 628 008, India; Department of Botany, Seethalakshmi Achi college for Women, Pallaythur, Tamil Nadu 630 107, India; Department of Biomedical Science and Technology, Noorul Islam Centre for Higher Education, Thukalay, Kumaracoil, Tamil Nadu 629 180, India	3 Years
Research work	Aswathy S.U., Glan Devadhas G., Kumar S.S.	Department of Computer Science, Noorul Islam University, Kanyakumari, India; Electronics and Instrumentation, Vimal Jyothi Engineering College, Kannur, Kerala, India; Electronics and Instrumentation, Noorul Islam University, Kanyakumari, India	3 Years
Research work	Chandra Kala K., Jaya Kumari J., Sreeja T.K.	Noorul Islam Centre for Higher Education Tamil Nadu, India; Mar Baselios College of Engineering and Technology Kerala, India; Nano Technology, Noorul Islam Centre for Higher Education Tamil Nadu, India	3 Years
Research work	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Muthayammal Engineering College (autonomous), Rasipuram, India	3 Years

Research work	Jayalekshmi M.B., Krishnaveni S.H.	Department of Computer Science and Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Computer Science and Engineering, Baseliros Mathews II College of Engineering, Kollam, India	3 Years
National seminar on computational fluid dynamics	1.Mr.J.Asir Packiaraj , Vice Chairman, AeSI and Deputy Director , IPRC	Aeronautical society of India , Kanniyakumari District	one day
Research work	Venugopal P.C., Viji K.S.A.	Department of Computer Science and Engineering, Noorul Islam Centre for Higher Education, India; Department of Computer Science and Engineering, College of Engineering, India	3 Years
Research work	Doss A., Tresina P.S., Mohan V.R.	Department of Botany, V.O. Chidambaram College, Tuticorin, 628008, India; Department of Biomedical Science and Technology, Noorul Islam Centre for Higher Education, Kumaracoil, Tamilnadu 629180, India	3 Years
Research work	Babu I., Balan R.V.S., Mathai P.P.	Adi Shankara Institute of Engineering and Technology, Noorul Islam Centre for Higher Education, Kalady, India; Noorul Islam Centre for Higher Education, Department of Computer Science and Application, Kanayakumari, India; Federal Institute of Science and Technology, Department of Computer Science and Engineering, Angamaly, India	3 Years
Research work	Frank Stephen S., Chockalingam M.P., Nalanth N.	Civil Engineering department, St. Xavier's Catholic College of Engineering, ChunkankadaiTamilnadu, India; Department of Civil Engineering, Bharath institute of Higher Education and Research, Chennai, Tamilnadu, India; Department of Civil Engineering, Noorul Islam Centre for Higher Education, Kanyakumari District, Kumaracoil, Tamilnadu, India	3 Years
Research work	Sreekumar K., Bindhu B., Veluaraja K., Reena V.L.	Department of Physics, Noorul Islam Centre for Higher Education, Thuckalay, Kumaracoil, 629180, India; School of Advanced Sciences, VIT University, Vellore, Tamil Nadu 632014, India; Siddha Central Research Institute, Central Council for Research in Siddha, Chennai, 600106, India	3 Years
Publication	Dr.S.S. Kumar	Benisha.M, Department of Electronics and Communication Engineering, Jeppiaar Institute of Technology, Chennai, India	3 years
Publication	S. Binu Sathiya	Dr. A. Prabin, SHM Engineering College, Kollam, Kerala	3 years

Research work	Silan Tharakan S., Sivapragash M., Suneesh E.	Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India; Department of Mechanical Engineering, PSN College of Engineering and Technology, Tirunelveli, Tamil Nadu, India; Department of Production Engineering, Vidya Academy of Science and Technology, Thrissur, Kerala, India	3 Years
Research work	Nithin S.S., Suresh L.P.	Department of Electronics and Communication, Noorul Islam University Tamil Nadu, India; Department of Computer Science, Baseli Mathews II College of Engineering, Sasthamkotta, Kerala, India	3 Years
Research work	Sagi Rani C., Joseph John N.	Department of Physics, Noorul Islam centre for Higher Education, Kumaracoil, Tamil Nadu 629180, India; Department of Physics, Kamarajar Government Arts and Science College, Surandai, Tamil Nadu 627 859, India	3 Years
Research work	Swapna C., Shaji R.S.	Department of Computer Science and Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamilnadu, India; Department of Computer Science and Engineering, St. Xavier's Catholic College of Engineering, Kanyakumari, Chankankadai, India	3 Years
Research work	Bindhu B., Veluraja K.	Department of Physics, Noorul Islam Centre for Higher Education, Noorul Islam University, Kanyakumari District, Kumaracoil, Tamil Nadu, India; School of Advanced Sciences, Vellore Institute of Technology, Vellore, Tamil Nadu, India	3 Years
Research work	Mathews A.B., Glan Devadhas G.	Department of ECE, Noorul Islam Centre for Higher Education, Kanyakumari, Tamil Nadu, India; Department of EIE, Vimal Jyoti Engineering College, Kannur, Kerala, India	3 Years
Research work	Beulah S., Dhanaseelan F.R.	Department of Computer Applications, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari, Tamil Nadu, India; Department of Computer Applications, St. Xaviers Catholic College of Engineering, Chankankadai, Nagercoil, Kanyakumari, Tamil Nadu, India	3 Years
Research work	Joy J., Santhi N., Jayamohan S., Ramar K.	Electronics and Communication, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Thuckalay, Tamil Nadu, India; Electronics and Communication, Sarabhai Institute of Science and Technology, Vellanad, Trivandrum, India; Computer Science, Muthayammal Engineering College (Autonomous), Namakkal District, Rasipuram,	3 Years

		Tamil Nadu, India	
Research work	Jayamohan S., Santhi N., Joy J., Ramar K.	Electronics and Communication, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Thuckalay, Tamil Nadu, India; Electronics and Communication, Lourdes Matha College of Science and Technology, Kuttichal, Trivandrum, India; Computer Science, Muthayammal Engineering College (Autonomous), Namakkal District, Rasipuram, Tamil Nadu, India	3 Years
Research work	Silan T.S., Sivapragash T., Suneesh E.	Department of Mechanical Engineering, Noorul Islam University, Tamil Nadu, Kumaracoil, India; Department of Mechanical Engineering, PSN College of Engineering and Technology, Tamil Nadu, Tirunelveli, India; Department of Production Engineering, Vidya Academy of Science and Technology, Kerala, Thrissur, India	3 Years
Research work	Shamy S., Dheeba J.	Department of Computer Application, Noorul Islam Center for Higher Education, India; School of Computer Science and Engineering, Vellore Institute of Technology, India	3 Years
Research work	Sunil J., Ravikumar M.S.	Noorul Islam Center for Higher Education, Kumaracoil, Thuckalay, Tamil Nadu, India; PSN College of Engineering and Technology, Thirunelveli, Tamil Nadu, India	3 Years
Research work	Jeyasheela Y., Krishna Veni S.H.	Department of Information Technology, Noorul Islam Centre for Higher Education, Kumaracoil, Nagercoil, India; Department of CSE, Baselios Mathew II College of Engineering Kerala, India	3 Years
Research work	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Muthayammal Engineering College (autonomous), Rasipuram, India	3 Years
Research work	Femina Jalin A., Jaya Kumari J.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, India; Department of Electronics and Communication Engineering, Mar Baselios College of Engineering and Technology Kerala, India	3 Years
Research work	Dalmiya C.P., Santhi N., Sathyabama B.	Department of ECE, Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay, Kanyakumari, Tamil Nadu 629180, India; Department of ECE, Thiagarajar College of Engineering, Madurai, Tamil Nadu 625015, India	3 Years

Research work	Shaji R.S., Sachin Dev V., Brindha T.	Department of Computer Science and Engineering, St. Xavier's Catholic College of Engineering, Nagercoil, Tamil Nadu 629003, India; Department of Information Technology, Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu 629180, India	3 Years
Research work	Anooj E.S., Suganthi V., Praseetha P.K.	Department of Nanotechnology, Noorul Islam Center for Higher Education, Kumarakovil, Kumaracoil, Thuckalay, Tamilnadu, India; Department of Biotechnology, Sri Sankara Arts and Science College, Ernathur, Kanchipuram, Tamilnadu, India	3 Years
Research work	Vibala B.V., Suganthi V., Praseetha P.K.	Department of Nanotechnology, Noorul Islam Center for Higher Education, Kumarakovil, Kumaracoil, Thuckalay, Tamilnadu, India; Department of Biotechnology, Sri Sankara Arts and Science College, Ernathur, Kanchipuram, Tamilnadu, India	3 Years
Research work	Nithin S.S., Padma Suresh L.	Department of Electronics and Communication, Noorul Islam UniversityTamil Nadu, India; Department of Computer Science, Baseliros Mathews II College Of Engineering, Sasthamkotta, Kerala, India	3 Years
Research work	Sivamalar C., Nalanth N., Dhanalakshmi K.	Noorul Islam Centre for Higher Education, Kumaracoil, India; University College of Engineering, Nagercoil, India	3 Years
Research work	Babu I., Siva Balan R.V., Mathai P.P.	Department of Computer Science and Engineeering, Noorul Islam Centre for Higher Education, Kanya kumari District., Kumaracoil, Tamilnadu, India; Department of Computer Science and Engineeering, Federal Institute of Science and Technology, Angamaly, India	3 Years
Research work	Sivasamy D., Dev Anand M., Anitha Sheela K.	ECE, Jawaharlal Nehru Technological University, Hyderabad, Telangana 85, India; Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kanyakumari District, Kumaracoil, Thuckalay, Tamil Nadu, India	3 Years
Research work	Dev Anand M., Jai Aultrin K.S., Ramanan G., Neela Rajan R.R.	Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India; Department of Aerospace Engineering, ACS Collge of Engineering, Bangalore, Karnataka, India; Department of Aeronautical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India	3 Years
Research work	Kinslin D., Jaya Kumar D.	Emirates College for Management and Information Technology (ECMIT), Dubai, United Arab Emirates; Faculty of Management	3 Years

		Studies, Noorul Islam Centre for Higher Education, Thuckalay, T.N, India	
Research work	Sivasamy D., Dev Anand M., Anitha Sheela K.	ECE, Jawaharlal Nehru Technological University, Hyderabad, Andhra Pradesh 85, India; Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Thuckalay, Tamil Nadu, India; ECE, Jawaharlal Nehru Technological University, Hyderabad, Telangana 85, India	3 Years
Research work	Priscilla Joy R., Dheeba J.	Noorul Islam Centre for Higher Education, Nagercoil, India; Vellore Institute of Technology, Vellore, India	3 Years
Research work	Jeyakumar A., Ravikumar M.S., Nalanth N.	Noorul Islam Centre for Higher Education, Kanyakumari District, Kumaracoil, Tamil Nadu, India; PSN College of Engineering and Technology, Tirunelveli, India	3 Years
Research work	Frank Stephen S., Chockalingam M.P., Nalanth N.	Bharath institute of Higher education and Research, Chennai, India; Noorul Islam Centre for Higher Education, India	3 Years
Research work	Thilaga C., Sarasija P.B.	Department of Mathematics, Ponjesly College of Engineering, Nagercoil, Tamil Nadu, India; Department of Mathematics, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India	3 Years
Research work	Pradeep A., Joseph X.F.	Department of Electronics and Communication Engineering, Noorul Islam University, Kanyakumari, Tamil Nadu, India; Department of Electrical and Electronics Engineering, NICHE & Bulehora University, Ethiopia	3 Years
Research work	Sreeja P., Padmasuresh L., Muthukumar P.	Department of EEE, Noorul Islam center for higher education, Thuckalay, Tamilnadu, India; Department of EEE, Baseline Mathew II College of Engineering, Sasthamkotta, Kerala, India; Department of EEE, PVP Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, India	3 Years
Research work	Dev Anand M., Kumanan S., Girish R.R., Selvaraj T., Asokan P.	Noorul Islam Centre for Higher Education, Thuckalay, Tamilnadu, India; National Institute of Technology, Tiruchirappalli, Tamilnadu, India; Rajalakshmi College of Engineering Tamilnadu, India	3 Years
Research work	Jebin R.P., Suthan T., Rajesh N.P., Vinitha G.	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, 629180, India; Department of Physics, Lekshmipuram College of Arts and Science, Neyyoor, 629802, India; Department of Physics, SSN College of Engineering, Kalavakkam, 603110, India; Division of Physics, VIT, Chennai, 600175, India	3 Years

Research work	Jayakumari J., Jalin A.F.	Department of Electronics and Communication Engineering, Mar Baselios College of Engineering and Technology, Kerala, India; Noorul Islam Center for Higher Education, TamilNadu, India	3 Years
Research work	Singarayan K., Kamalam J.M.	Department of Computer Science, Bharathiar University, Coimbatore, India; Department of Computer Application, Noorul Islam Centre for Higher Education, Kumaracoil, India	3 Years
Research work	Swapna C., Shaji R.S.	Department of Computer Science and Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamilnadu, India; Department of Computer Science and Engineering, St. Xavier's Catholic College of Engineering, Chunkankadai, Kanyakumari, India	3 Years
Research work	Pradeep A., Joseph X.F.	Department of Electronics and Communication Engineering, Noorul Islam University, Kanyakumari, Tamil Nadu, India; Department of Electrical and Electronics Engineering, NICHE & Bulehora University, Ethiopia	3 Years
Research work	Jose C., Vijula Grace K.S., Asha Beaula C.	Department of Electronics & Communication Engineering, Noorul Islam Centre for Higher Education, Thuckalay, India; Department of Electronics & Communication Engineering, National Engineering College, Kovilpatti, India	3 Years
Research work	Careena P., Mary Synthuja Jain Preetha M., Arun P.	Department of Electronics and Communication Engineering, AmalJyothi College of Engineering, Kanjirapally, Kerala 686518, India; Department of Electronics & Communication Engg., Noorul Islam University, Nagercoil, TN 629180, India; Department of Electronics and Communication Engineering, St. Joseph's College of Engineering and Technology, Palai, Kerala 686 579, India	3 Years
Research work	Joylin Bala K., Babu Raj E., Anusha Bamini A.M.	Department of Computer Science, Bharathiar University, India; Department of Computer Science and Engineering, Marian Engineering College, Thiruvananthapuram, India; Noorul Islam Centre for Higher Education, India	3 Years
Research work	Jinju J., Santhi N., Ramar K., Sathya Bama B.	Electronics & Communication Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Thuckalay, Tamil Nadu 629180, India; Computer Science & Engineering, Anna University, Einstein College of Engineering, Sir C V Raman Nagar, Seethaparpanalur, Tirunelveli, Tamil Nadu 627012, India; Electronics & Communication Engineering, Anna University, Thiagarajar	3 Years

		College of Engineering, Thiruparankundaram, Madurai, Tamil Nadu 625015, India	
Research work	Shamsudeen S., John E.R.D.	Department of Mechanical Engineering, Noorul Islam University, Kumaracoil, Kanyakumari District, Tamil Nadu, 629180, India; Department of Mechanical Engineering, MEA Engineering College, Vengoor, Malappuram District, Kerala, 679325, India	3 Years
Research work	Delbio A., Ilankumaran M., Abilasha R.	Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay, Tamil Nadu, India; Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India	3 Years
Research work	Sugirtha Suni N.Y., Ganapathi Raman R., Guru Prasad L.	Department of English, Noorul Islam Centre for Higher Education, Kanyakumari, India; Department of Science and Humanities, M. Kumarasamy College of Engineering, Karur, India	3 Years
Research work	Selvarajan T.M., Sriram S., Ramya R.S.	Department of Mathematics, Noorul Islam Centre for Higher Education, Kanyakumari, India; Department of Mathematics, Annamalai University, Chidambaram, India	3 Years
Research work	Lafta M.H., Gangadhar L.	Lecturer in Ministry of Education, Iraq; Department of Nanotechnology, Noorul Islam Center for Higher Education, India	3 Years
Research work	Sajna Beevi S., Abilasha R., Ilankumaran M.	Noorul Islam College of Arts and Science, Kumaracoil, Tamil Nadu, India; Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India; Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay, Tamil Nadu, India	3 Years
Research work	Sivasamy D., Dev Anand M., Anitha Sheela K.	SBMCET, Dindigul, India; Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kanyakumari District, Kumaracoil, Thuckalay, TamilNadu, India; ECE, Jawaharlal Nehru Technological University, Hyderabad, India	3 Years
Research work	Kalimuthu R., Mehta R.C., Rathakrishnan E.	Vikram Saabhai Space Centre, Trivandrum, 695022, India; Department of Aeronautical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, 629180, India; Department of Aerospace Engineering, Indian Institute of Technology, Kanpur, 208016, India	3 Years
Research work	Arulmozhi P., Vijayakumar S., Praseetha P.K., Jayanthi S.	Computational Phytochemistry Lab, PG and Research Department of Botany and Microbiology, AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur (Dist), Tamil Nadu, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari DistrictTamil Nadu 629180, India; Computational Drug Design Lab, School of Bio Sciences and Technology,	3 Years

		Vellore Institute of Technology, Vellore, Tamil Nadu 632014, India	
Research work	Lilly C.S., Bindhu B., Midhun C.V., Musthafa M.M., Ganapathi R.R.	Department of Physics, Noorul Islam Center for Higher Education, Thuckalay, Tamil Nadu, 629180, India; Department of Physics, University of Calicut, Thenjipalam, Kerala, 673635, India	3 Years
Research work	Rajesh K.R., Musthafa M.M., Midhun C.V., Naiby J., Raman R.G.	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay, TamilNadu, 629180, India; Department of Physics, University of Calicut, Thenjipalam, Kerala, 673635, India	3 Years
Research work	Rakesh S., Grace K.S.V.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu, India; Mangalam College of Engineering, Ettumanoor, Kerala, India	3 Years
Research work	Sreeja K.A., Kumar S.S.	Dept. Of Electronics and Communication Engg, SCMS School of Engineering & Technology, Ernakulam, Karukutty, Kerala, India; Dept of Electronics and Instrumentation Engg, Noorul Islam University, Kanyakumari, Tamil Nadu, India	3 Years
Research work	Menon J., Ravikumar M.S.	Noorul Islam University, Kanyakumari, Tamil Nadu, India; PSN Engineering College, Tirunelveli, Tamil Nadu, India	3 Years
Research work	Rakesh S., Vijula Grace K.S.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu, India; Mangalam College of Engineering, Ettumanoor, Kerala, India	3 Years
Research work	Mathews A.B., GnanDevadhas G.	Department of ECE, Noorul Islam Centre for Higher Education, Kanyakumari, Tamilnadu, India; Dept of EIE, VimalJyoti Engineering College, Kannur, Kerala, India	3 Years
Research work	Seelan L.J., Padma Suresh L.	Department of EEE, Noorul Islam University, Thuckalay, Tamilnadu, India; Baseliros Mathews II College of Engineering, Sasthamkotta, Kerala 690521, India	3 Years
Research work	Priya C.V., Angel Viji K.S.	Department of Computer Science and Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India; Department of Computer Science and Engineering, College of Engineering, Kottayam, Kidangoor, Kerala, India	3 Years
Research Collaboration	Midhun C.V., Musthafa M. M.	University of Calicut, Thenjipalam, Kerala, 673635, India	1 year
Research Collaboration	K. Veluraja	School of Advanced Sciences, VIT University, Vellore-632014, Tamil Nadu, India	1 year
Research Collaboration	Reena VL	Siddha Central Research Institute, Central Council for Research in Siddha, Chennai-	1 year

		600106, India	
Research work	Rajan A., Praseetha P.K., Ariharan V.N., Gopu Kumar S.T.	Department of Nanotechnology, Noorul Islam Centre For Higher Education, Kumaracoil, 629180, India; Bioinformatics Division, Inbiotics, William Hospital Campus, Nagercoil, 629001, India; Department of Premedical Science, Thampi Institute of Medical Educational and Research, William Hospital Campus, Nagercoil, 629001, India	3 Years
Research work	Sreeja P., Padmasuresh L., Muthukumar P.	Department of EEE, Noorul Islam center for higher education, Thuckalay, Tamilnadu, India; Department of EEE, Baselios Mathew II College of Engineering, Sasthamkotta, Kerala, India; Department of EEE, PVP Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, India	3 Years
Research work	Ramanan G., Suresh S., Rajesh Prabha N., Edwin Raja Dhas J.	Department of Aeronautical Engineering, ACS College of Engineering, Bangalore, Karnataka, India; Department of Mechanical Engineering, University College of Engineering, Nagercoil, Tamilnadu, India; Department of Mechanical Engineering, Mohandas College of Engineering and Technology, Nedumangad, Kerala, India; Department of Automobile Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamilnadu, India	3 Years
Research work	Rakesh S., Vijula Grace K.S.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu, India; Mangalam College of Engineering, Ettumanoor, Kerala, India	3 Years
Research work	Subash S., Stanly Jones Retnam B., Edwin Raja Dhas J., Sivapragash M.	Department of Automobile Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; PSN College of Engineering and Technology, Melathedioor, India	3 Years
Research work	Skariya P.D., Satheesh M., Edwin Raja Dhas J., Chandrasekar G.	Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu, 629180, India; PSNA College of Engineering and Technology, Dindigul, Tamilnadu, 624622, India	3 Years
Research work	Gangadhar L., Kannan A., Praseetha P.K.	Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanya Kumari District, Tamilnadu, 629180, India; School of Computer Science and Engineering, VIT Chennai Campus, Tamil Nadu, 632014, India	3 Years
Research work	Vijayakumar S., Manogar P., Prabhu S., Pugazhenth M., Praseetha P.K.	Computational Phytochemistry Lab, Department of Botany and Microbiology, AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur, Tamil Nadu, India; Department of Chemistry, AVVM Sri	3 Years

		Pushpam College (Autonomous) Poondi, Thanjavur (Dist), Tamil Nadu, India; Department of Nanotechnology Noorul Islam Centre for Higher Education Kumaracoil, Kanyakumari district, Tamil Nadu 629180, India	
Research work	Thomas S., Herbert J., Varghese J.T.	Mechanical Engineering, SAINTGITS, Kottayam, India; Mechanical Engineering, NICHE, Kumaracoil, India; Mechanical Engineering, VIT, Vellore, India	3 Years
Research work	Skariya P.D., Satheesh M., Edwin Raja Dhas J., Chandrasekar G.	Noorul Islam Centre for Higher Education, Thuckalay, Tamil Nadu, 629180, India; PSNA College of Engineering and Technology, Dindigul, Tamilnadu, 624622, India	3 Years
Research work	Mathews A.B., Devadhas G.G.	Department of ECE, Noorul Islam Centre for Higher Education, Noorul Islam University, Kanyakumari, Tamilnadu, India; Department of EIE, Vimal Jyoti Engineering College, Kannur, Kerala, India	3 Years
Research work	Dhas J.L.J., Vigila S.M.C., Star C.E.	Department of Computer Science and Engineering, Noorul Islam centre for Higher Education, Kumaracoil, Tamilnadu, India; Department of Information Technology, Noorul Islam centre for Higher Education, Kumaracoil, Tamilnadu, India; Department of Computer Science and Engineering, Arunachala College of Engineering for Women, Manavilai, Tamilnadu, India	3 Years
Research work	Jeslin T., Arul Linsely J.	Department of ECE, Universal College of Engineering and TechnologyTamilnadu, India; Dept of EEE, Noorul Islam Centre for Higher Education, Kanyakumari, Tamilnadu, India	3 Years
Research work	Shajahan S., Kumar R.M.S., Raj J.V.	Information Technology Department, Noorul Islam Centre for Higher Education, Thuckalay, Kumaracoil, Tamilnadu, India; Computer Science Department, Nesamony Memorial Christian College, Marthandam, Tamilnadu, India	3 Years
Research work	Leena Silvester M., Kumar R.M.S.	Computer Science Department, College of Engineering, Attingal, Kerala, India; IT Department, Noorul Islam Centre for Higher EducationTamilnadu, India	3 Years
Research work	Jebasingh V.K., Divya Johns J., Arunkumar T.	Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Thuckalay, Kumarakovil, India; Department of Civil Engineering, Noorul Islam Centre for Higher Education, Thuckalay, Kumarakovil, India; Department of Mechanical Engineering, CMR Institute of Technology, Bangalore, India	3 Years

Research work	Jebasingh V.K., Divya Johns J., Arunkumar T.	Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Thuckalay, Kumarakovil, India; Department of Civil Engineering, Noorul Islam Centre for Higher Education, Thuckalay, Kumarakovil, India; Department of Mechanical Engineering, CMR Institute of Technology, Bangalore, India	3 Years
Research work	Divya S.V., Shaji R.S., Venkadesh P.	Faculty of Information Technology, Computer Science and Engineering, Noorul Islam Centre for Higher Education Kumaracoil, Thuckalay, Tamilnadu, 629180, India; Department of Computer Science and Engineering, St. Xavier's Catholic College of Engineering, Chukandai, Nagercoil, Tamil Nadu, 629003, India	3 Years
Research work	Nithin S.S., Padma Suresh L.	Noorul Islam University Tamil Nadu, India; Baselios Mathew II College, Kollam, Kerala, India	3 Years
Research work	Rejikumar R., Sivapragash M.	Department of Mechanical Engineering, Noorul Islam Centre for Higher Education Tamil Nadu, India; Department of Mechanical Engineering, PSN College of Engineering and Technology, Tirunelveli, Tamil Nadu, India	3 Years
Research work	Simon S.G.S., Joseph X.F., Waktola A.T., Senay D.	Department of Biomedical Engineering, Noorul Islam University, Kumaracoil, India; Department of Electrical and Computer Engineering, Bule Hora University, Hagere Mariam, Ethiopia	3 Years
Research work	Pravin Rose T., Glan Devadhas G.	Noorul Islam Centre for Higher Education, Noorul Islam University, Kanyakumari, Tamilnadu, India; Dept of EIE, Vimal Jyothi Engineering College, Kannur, Kerala, India	3 Years
Research work	Bibin Raj V.S., Devadhas G.G.	Noorul Islam College of Engineering and Center for Higher Research Tamil Nadu, India; Department of Electronics and Instrumentation, Vimal Jyothi College of Engineering, Kannur, Kerala, India	3 Years
Research work	Gopalakrishnan T., Rajeesh J., Palanikumar S.	Department of ECE, Noorul Islam Centre for Higher Education, Thuckalay, Kumaracoil, Tamil Nadu, India; Department of ECE, College of Engineering, Thalassery, Kerala, India	3 Years
Research work	Aslam Y., Santhi N., Ramasamy N., Ramar K.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Computer Science and Engineering, Einstein College of Engineering,	3 Years

		Tirunelveli, India	
Research work	Albert Allen D., Ramanan G., Neela Rajan R.R., Darwins A.K.	Department of Aeronautical Engineering, ACS College of Engineering, Bangalore, 560074, India; Department of Aeronautical Engineering, Noorul Islam Centre for Higher Education, Nagercoil, 629180, India; Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Nagercoil, 629180, India	3 Years
Research work	Rakesh S., Grace K.S.V.	Dept. of ECE, Noorul Islam Centre for Higher Education, Thuckalay, Kanyakumari Tamil Nadu, India; Dept. of ECE, Mangalam College of Engineering, Ettumanoor, Kottayam Kerala, India	3 Years
Research work	Kala S., Jeyakumar M.K.	Department of Computer Science, Bharathiyar University, Coimbatore, India; Department of Computer Application, Noorul Islam Centre for Higher Education, Kumaracoil, India	3 Years
Research work	Pravin Rose T., Glan Devadhas G.	Noorul Islam Centre for Higher Education, Noorul Islam University, Kanyakumari, Tamilnadu, India; Dept of EIE, Vimal Jyothi Engineering College, Kannur, Kerala, India	3 Years
Research work	Rex S.R., Mary Synthia Regis Praba D.M.	Department of ECE, Mar Ephraem College of Engineering and Technology, Elavuvilai, India; Department of EEE, Noorul Islam University, Thuckalay, India	3 Years
Research work	Bibin Raj V.S., Glan Devadhas G.	Noorul Islam College of Engineering and Center for Higher ResearchTamil Nadu, India; Department of Electronics and Instrumentation, Vimal Jyothi College of Engineering, Kannur, Kerala, India	3 Years
Research work	Kumar S.A., Rajesh R.	Department of Mechanical Engineering, Noorul Islam University, Kumaracoil, 629180, India; Rohini College of Engineering and Technology, Kanyakumari Main Road, Palkulam, India	3 Years
Research work	Madanan M., Hussain N., Velayudhan N.C., Sayed B.T.	Dhofar University, Department of Computer Science, Salalah, Oman; Noorul Islam Center for Higher StudiesTamil Nadu, India	3 Years
Research work	Darsan R.S., Stanly Jones Retnam B., Sivapragash M.	Department of Mechanical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Automobile Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Mechanical Engineering, PSN College of Engineering and Technology, Melathediyoor, Tirunelveli, Tamil Nadu 627152, India	3 Years
Research work	Frank Stephen S., Chockalingam M.P., Nalanth N.,	Bharath Institute of Higher Education and Research, India; Noorul Islam Centre for Higher Education, India	3 Years

	Lekshmy Raghavan P.		
Research work	Chandrakala K., Jayakumari J.	Department of Electronics and Communication Engineering, Noorul Islam Centre for Higher Education, Tamil Nadu, India; Department of Electronics and Communication Engineering, Mar Baselios College of Engineering and Technology, Kerala, India	3 Years
Research work	Neela Rajan R.R., Pon Suthir Sajan S.S., Ramanan G., Bino Prince Raja D.	Dept. of Aero. Engg, Noorul Islam Centre for Higher Education, Kumaracoil, India; Dept. of Aero. Engg, ACS College of Engg, Bangalore, India; Dept. of Aero. Engg, SJC Institute of Tech, Bangalore, India	3 Years
Research work	Vijayakumar S., Arulmozhi P., Kumar N., Sakthivel B., Prathip Kumar S., Praseetha P.K.	Computational Phytochemistry Lab, PG and Research Department of Botany and Microbiology, AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur (Dist), Tamil Nadu, India; PG and Research Department of Physics, AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur (Dist), Tamil Nadu, India; Department of Physics, National Institute of Technology, Tiruchirappalli, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Tamil Nadu, 629180, India	3 Years
Research work	Velayudhan N.C., Anitha A., Madanan M., Paul V.	Noorul Islam Center for Higher Education, Department of Computer Science and Engineering, Tamil Nadu, India; Noorul Islam Center for Higher Education, Department of Computer Science and Engineering, Tamil Nadu, India; Dhofar University, Department of Computer Science, Salalah, Oman; Universal Engineering College, Department of Computer Science and Engineering, Kerala, India	3 Years
Research work	Raja S., Ravichandran M., Isaac R.S.R., Abilash N.	Department of Mechanical Engineering, Rohini College of Engineering & Technology, Anjugramam, Tamilnadu, India; Department of Mechanical Engineering, K. Ramakrishnan College of Engineering, Tiruchirappalli, Tamilnadu, India; Department of Nano Technology, Noorul Islam Center for Higher Education, Thuckalay, Tamilnadu, India; Department of Mechanical Engineering, Noorul Islam Center for Higher Education, Thuckalay, Tamilnadu, India	3 Years
Research work	Pradeep P., Beenamol, Nair H.S.	Department of Civil Engineering, Noorul Islam University, Thukkulai, Kanyakumari, Tamil Nadu, India; Department of Civil Engineering, LBS College of Engineering (Government of Kerala Undertaking), Kasargode, Kerala,	3 Years

		India; Department of Civil Engineering, Sree Buddha College of Engineering, Pattoor, Alappuzha, Kerala, India	
Research work	Careena P., Mary Synthuja Jain Preetha M., Arun P.	Department of Electronics and Communication Engineering, AmalJyothi College of Engineering, Kanjirapally, 686518, India; Department of Electronics and Communication Engg., Noorul Islam University, Nagercoil, 629180, India; Department of Electronics and Communication Engineering, St. Joseph's College of Engineering and Technology, Palai, 686 579, India	3 Years
Research work	Anisha M., Kumar S.S., Benisha M.	Department of Biomedical Engineering, Kalasaligam Academy of Research and Education, Deemed to be University, Krishnankoil, Tamil Nadu 626126, India; Department of Electronics and Instrumentation Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu 629180, India; Department of Electronics and Communication Engineering, Jeppiaar Institute of Technology, Chennai, India	3 Years
Research work	Neela Rajan R.R., Ramanan G., Rajesh R.	Department of Aeronautical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, India; Department of Aeronautical Engineering, ACS College of Engineering, Bangalore, India; Department of Mechanical Engineering, Rohini College of Engineering and Technology, Anjugramam, India	3 Years
Research work	Raj J.S.S., Christopher T., Kalaichelvan K.	Department of Aeronautical Engineering, Noorul Islam University, Kumaracoil, India; Department of Mechatronics Engineering, Kamaraj college of Engineering and Technology, Madurai, India; Department of Ceramic Technology, Anna University, Chennai, 600025, India	3 Years
Research work	Rajan A., Praseetha P.K., Hadi Lafta M., Ariharan V.N., Gopu Kumar S.T.	Department of Nanotechnology, Noorul Islam Centre For Higher Education, Kumaracoil, 629180, India; Lecturer in Ministry of Education, Iraq; Inbiotics, William Hospital Campus, Nagercoil, 629001, India; Thampi Institute of Medical Educational and Research, William Hospital Campus, Nagercoil, 629001, India	3 Years
Research work	Gharat P.M., Chethodil J.M., Srivastava A.P., Praseetha P.K., Pal H., Dutta Choudhury S.	Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Department of Nanotechnology, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District, Tamil Nadu 629180, India;	3 Years

		Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India	
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3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
Research	Journal Reviewer	IET Signal Processing, ISSN:1751-9683, Imaging Science Journal ISSN: 1743-131X, Journal of Ambient Intelligence and Humanized Computing ISSN: 1868-5137	01-07-2019 to 01-06-2020	03
Research	Editorial Board Member	Journal of Life Sciences Research E-ISSN : 2408-9184	01-07-2019 to 01-06-2020	01
Research	Doctoral Committee Member	Centre for Research, Anna University, Chennai	01-07-2019 to 01-06-2020	03
Internship	Java with Spring and Hibernate Framework	Nyeste Venture Technologies Pvt Ltd	07-12-2019 to 03-01-2020	Ashwin Koshy
Internship	Industrial Training and Networking and Internet Technologies	Regional Telecom Training Centre	16-12-2019 to 28-12-2019	Alan P G
Internship	Java,XML, Android	Keltron, Trivandrum	09-12-2019 to 29-12-2019	Goutham N
Internship	Basic of PHP and MYSQL	Keltron, Kozhikode	01-01-2019 to 05-01-2019	Fayiz
Internship	Android	Konzern Technologies, Calicut	16-12-2019 to 01-01-2020	Fayiz
Internship	IoT Product Domain	Tachlog Pvt Ltd	13-01-2020 to 24-01-2020	Neethu G V
Internship	IoT Product Domain	Tachlog Pvt Ltd	13-01-2020 to 24-01-2020	Edwin P Robin
Job Training	Non Destructive Testing	AMET University	26-09-2019 to 27-09-2019	13

3.7.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Anyware E-solutions pvt ltd, Hyderabad	10-02-2020	Cyber security and digital forensics training and related services	01
Xellogen Biotech Pvt Ltd,	03-07-2019	Staff Exchange, Collaborative	03

Nagercoil		research, Exchange of academic information and materials	
Department of Medical Research, Sarada Krishna Homeopathic Medical College, Kanniyakumari District	01-10-2019	Joint Research and Development, Student Exchange, Joint-Conferences, Exchange of Research Materials	03
Department of Biotechnology, Sree Buddha College of Engineering, Allapuzha	06-01-2020	Joint Research and Development, Student Exchange, Faculty Exchange, Joint-Conferences, Workshops and Short-term Courses	03
Department of Mechanical Engineering, Sree Buddha College of Engineering, Allapuzha(with Dept. of Nanotechnology)	06-01- 2020	Joint Research and Development , Student Exchange, Faculty Exchange, Joint-Conferences, Workshops and Short-term Courses	03
Department of Physics , Sadakathullah Appa College, Rahmath, Tirunelveli	24-02-2020	Joint research projects and publications, Faculty and student exchanges Joint conferences and workshops, visit by faculty and students, joint development of courses and programmes	03
Department of computer Science and Engineering Sree Budha College of Engineering, Patoor	24-02-2020	Research Activities	03
Tech Savio	29-10-2019	Provide all technical support in terms of conducting automobile related workshops and internship programme for the automobile engineering.	01
Department of Mechanical Enigneering, Sree Buddha College of Engineering, Pattor	06-01-2020	Joint Research and Development, Student Exchange, Faculty Exchange, Joint conference, Workshop and short-term courses.	03
Department of Electronics and Communication Engineering, Sree Buddha College of Engineering,Patttoor,Nooranad, Alappuzha (Dt)	06-01-2020	Joint research and Development, Student Exchange, Faculty Exchange, Joint Conference Workshops and short term courses	03
Department of Mechanical Engineering, Sree Buddha College of Engineering - Alappuzha (with Dept. of Mech , Niche)	06-01-2020	Joint Research and Development, Student Exchange, Faculty Exchange, Joint conference, Workshop and short-term courses.	03

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation(Lakhs)	Budget utilized for infrastructure development(Lakhs)
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479.97		401.35					
4.1.2 Details of augmentation in infrastructure facilities during the year							
Facilities			Existing		Newly added		
Campus area			47 Acres		0		
Class rooms			109		19		
Laboratories			77		9		
Seminar Halls			2		0		
Classrooms with LCD facilities			39		0		
Classrooms with Wi-Fi/ LAN			109		19		
Seminar halls with ICT facilities			28		0		
Video Centre			0		0		
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.			0		0		
Value of the equipment purchased during the year (Rs. in Lakhs)			0		0		
Others			0		0		
4.2 Library as a Learning Resource							
4.2.1 Library is automated {Integrated Library Management System (ILMS)}							
Name of the ILMS software		Nature of automation (fully or partially)		Version		Year of automation	
Auto Lib		Fully		5.1		2003	
4.2.2 Library Services:							
		Existing		Newly added		Total	
		No.	Value	No.	Value	No.	Value
Text Books		80,516	2,42,29,301.00	351	6,98,209.70	80867	2,49,27,510.70
Reference Books		2,370	4,415,819.00	0	0	2,370	4,415,819.00
e-Books		13,017	5,47,434.00	0	0	13,017	5,47,434.00
Journals		181	3,25,386.00	0	0	181	3,25,386.00
e-Journals		26,470	637,213.00	0	0	26,470	6,37,213.00
Digital Database		0	0	0	0	0	0
CD & Video		2,407	0	09	0	2416	0
Library automation		5.1	70,800.00		0	5.1	70,800.00
Weeding (Hard & Soft)		15	520.00	16	2,085.00	31	2,605.00
Others (News Paper)		12	30,000.00	0	0	12	30,000.00
4.2.3 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc							
Name of the teacher	Name of the module		Platform on which module is developed			Date of launching e - content	
Dr.N.C.J.Pakia Lekshmi	Models of DNA Replication		Windows			07-06-2020	
Dr.N.C.J.Pakia Lekshmi	Classification of Viruses		Windows			29-05-2020	

Dr.N.C.J.Pakia Lekshmi	Cytomegalo virus (CMV)	Windows	29-05-2020
Dr.N.C.J.Pakia Lekshmi	Chemical sterilization	Windows	29-05-2020
Dr.N.C.J.Pakia Lekshmi	Sterilization by Filtration, Radiation, Sonication and Fumigation	Windows	29-05-2020
Dr.N.C.J.Pakia Lekshmi	Sterilization - Moist Heat Sterilization	Windows	28-05-2020
Dr.N.C.J.Pakia Lekshmi	Sterilization - Dry Heat Sterilization	Windows	28-05-2020
Dr.M.C.Janaki	Crime Scene Investigation	Windows	02-07-2020
Dr.M.C.Janaki	Historical Development of Forensic Science	Windows	01-07-2020

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	836	707	836	-	-	60	776	1 GBPS	
Added	13	09	13	-	-	0	13	-	
Total	849	716	849	-	-	60	789	1 GBPS	

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

1 GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	NIL

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities(Lakhs)	Expenditure incurred on maintenance of academic facilities(Lakhs)	Assigned budget on physical facilities(Lakhs)	Expenditure incurred on maintenance of physical facilities(Lakhs)
83.35	15.29	1,131.73	948.45

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link) <http://www.niuniv.com/IQAC/2019/MaintenanceProcedures.pdf>

NICHE ensures optimal allocation and utilization of the available financial resources for the maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received from NICHE as per the requirements in the interest of students. Laboratory Record of maintenance is maintained by lab technicians and supervised by Lab Incharge and HODs

of the concerned departments.

Physical facilities like laboratory, library, sports complex, computers, classrooms etc of NICHE are maintained by the maintenance department for the upkeep of infrastructure. At the departmental level, HoDs submit their requirements to the maintenance department regarding maintenance and minor repair of furniture and other electrical, plumbing equipments etc. There are technicians, masons, plumbers, carpenters deputed by management who ensure the maintenance of physical facilities and related infrastructure.

The computers are maintained in the Institution by the Internet Lab. This department provides the integrated IT services like smooth running of Computers, related hardware, networking and other electronic equipments, Also up-gradation and maintenance of software packages, troubleshooting of hardware, networking equipments including internet connectivity, procurement of hardware, software etc.

V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Fee Concession to Meritorious Students	631	1,34,11,000
	Fee Concession to Poor Students	-	-
Financial support from other sources			
a) National	I) Post matric scholarship schemes minorities cs II) Merit-cum means scholarship for professional and technical courses cs III) Central Sector scheme of scholarship for university students	11 47 02	2,10,000 10,95,000 1,30,000
b) International	-	-	-

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Seminar on “Education Abroad” ACS International Educational Consultancy	10-01-2020	87	Mr. Sunoj Patker, ACS International Educational Consultancy
iTransform-India Transform Product Design Workshop	07-08-2019	139	Bramachari. Vignesh Chaitanya Ji, Chinmaya Mission, Coimbatore.
Annual calendar activity / self-driven activity / MIC driven activity	01-10-2019	23	Mr. Arihara Suthan, Managing Partner, ASP Infotech, Tenkasi
PSS2201 – Soft Skills Phase -I	26-06-2019	911	NICHE
PSS2203 – Soft Skills Phase - III	29-06-2019	860	NICHE
PSS2202 – Soft Skills Phase - II	02-01-2020	911	NICHE
Remedial Coaching	07-08-2019 to 05-03-2020	382	NICHE

Mentoring	07-08-2019 to 05-03-2020	382	NICHE
Orientation Programme	19-8-2019 to 27-08-2019	340	NICHE
Yoga (EEE dept)	23-10-2019	21	NICHE
Online Quiz on International Yoga day	21-6-2020	20	NICHE

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2019	TCS Pre Placement Training	41	30	-	-
2019	iTransform-India Transform	139	30	-	-

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
4	4	15

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
ACT Plast Paints Pvt. Limited, Chennai	67	8	-	-	-
TCS	1	1			
Tiven Technologies, Hyderabad	44	4			
Hugo Byte, Bangalore	33	13			
FINSURGE PTE LTD,	14	2			

Singapore					
Nash Industries Private Limited	10	2			

5.2.2 Student progression to higher education in percentage during the year 4.44

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2019	2	B.Tech.	Nano Technology	Noorul Islam Centre for Higher Education	M.Tech.
2019	3	B.B.A.	B.B.A.	Noorul Islam Centre for Higher Education	M.B.A.
2019	1	B.B.A.	B.B.A.	Amity University, Bangalore	M.B.A.
2019	1	B,E	Mechanical Engineering	Noorul Islam Centre for Higher Education	M.E. Thermal Engg.
2020	1	B,E	Mechanical Engineering	Noorul Islam Centre for Higher Education	M.E. CIM
2019	3	B.E.	Civil Engg.	Noorul Islam Centre for Higher Education	M.E. Civil
2019	1	B.E.	Computer Science and Engineering	Noorul Islam Centre for Higher Education	M.E. CSE
2020	1	M.E.	Computer Science and Engineering	Noorul Islam Centre for Higher Education	Ph.D.
2019	3	M.Sc.	Software Engineering	Noorul Islam Centre for Higher Education	M.E. CSE
2019	2	B.E.	Biomedical Engineering	Anhalt University	M.E. BME
2019	3	B.E.	Automobile Engineering	Noorul Islam Centre for Higher Education	M.E. AME
2019	3	B.E.	Aeronautical Engineering	Noorul Islam Centre for Higher Education	M.E. ANE
2019	1	B.E.	Electrical and	Noorul Islam Centre for	M.E. Applied

			Electronics Engineering	Higher Education	Electronics
2019	1	B.E.	Electronics and Communication Engineering	Noorul Islam Centre for Higher Education	M.E. Communication System
2019	1	B.E.	Electrical and Electronics Engineering	SAULT College, Toronto	Global Business Management
2019	2	B.Sc. (AHS)	Allied Health Sciences	Lovely Professional University	M.Sc. Forensic Science
2019	1	B.Sc. (AHS)	Allied Health Sciences	Chandigarh University	M.Sc. Forensic Science
2019	1	B.Sc. (AHS)	Allied Health Sciences	University of Mysore	M.Sc. Criminology and Forensic Science
2019	1	B.Sc. (AHS)	Allied Health Sciences	Gujarat University, Ahmedabad	M.Sc. Forensic Science
2019	1	B.Sc. (AHS)	Allied Health Sciences	University of Calicut	M.Sc. Forensic Science
2019	1	B.Sc. (AHS)	Allied Health Sciences	JSS Accadamy of Higher Education and Research	M.Sc Clinical Embrology
2019	2	B.Sc. (AHS)	Allied Health Sciences	Manipal Accadami of Higher Education	M.Sc Clinical Viralogy
2019	1	B.Sc. (AHS)	Allied Health Sciences	Manipal Accadami of Higher Education	M.Sc Genome Engineering
2019	2	B.Sc. (AHS)	Allied Health Sciences	Bharithyar University-Coimbatore	M.Sc Human Genetics and molecular biology
2019	1	B.Sc. (AHS)	Allied Health Sciences	Bharithyar University-Coimbatore	M.Sc Bioinfomatrix
2019	1	B.Sc. (AHS)	Allied Health Sciences	Marthoma college Thruvella	M.Sc. B.T.

5.2.3 Students qualifying in state/ national/ international level examinations during the year

(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)		
Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	-	-
SET	-	-
SLET	-	-
GATE	2	EE19S67054001, ME19S24002042
GMAT	-	-
CAT	-	-
GRE	-	-
TOFEL	-	-
IELTS	4	233735, 176162,374871,249614
Civil Services	-	-
Any Other	2	Z258512, Z204620(State Government Services)
	1	CHE/TAM/TIR/SGD/2019/399583 (Army Selection)
	3	10210580 (AME license examination), 26210578(AME license examination), 26210093 (AME license examination)
	1	139000502(Central Teachers Eligibility Test)
	1 2	00495819 (Nebosh) TN0650700084,79(National Testing Agency)

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year		
Activity	Level	Participants
State level Inter University Volley Ball Tournament – Men and Women 6-11-2019 to 8-11-2019	Inter University	252
South Zone Inter University Volleyball Tournament / Participated (Men) 26.11.2019 to 30.11.2019	Inter University	12
South Zone Inter University Kabaddi Tournament / Participated (Men) 11.12.2019 to 14.12.2019	Inter University	12

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2020	First Prize	National	-	Covid video competition	1116203029	Shahul Hameed Arafath

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees

of the institution (maximum 500 words)

Aim: To give students an opportunity to develop leadership by organising and carrying out academic activities and projects. In addition to planning events that contribute to fortitude self governance community welfare in and around the institution, it serves as a voice of the student body.

Mission: To augment the educational experience and quality of life for all students at NICHE. To achieve this mission, the council functions as a support group, a service provider and a student leadership developer.

Goals and Objective:

1. To initiate, implement, and complete projects and activities that help the university, the students, the faculty, the administration, the Management and the community.
2. To develop and provide opportunities for leadership and service in the local areas and in the community thereof.
3. To encourage personal growth of student leaders through participation in the meetings at district, state, national and international meetings and academic outfits.
4. To contribute to the educational experiences of students by sharing them with a positive involvement in the institution, with more responsibilities and with more direct participation in organizing and implementing activities.
5. To promote respect for law and order and general welfare of the institution and community.

To be a representative structure through which students in a post-higher Secondary school and basic degree levels can become involved in the affairs of the university, working in partnership with the management and staff and parents for the benefit of the institution and its students.

The Student Council and the Vice-Chancellor

The role of the Vice-Chancellor is

1. To be a personality of central importance in the establishment and operation of a Student Council
2. To assist the Executive Committee in the development of the policy that connects the members of faculty and parents to implement it.
3. To discuss with students the role of a Student Council and the role of individual representatives on the Council, by facilitating the holding of elections and by advising on an appropriate constitution or statement of objectives
4. To assist in guiding the Council's development, as the Council develops, and begins to expand its role, so as to allow for a constructive and purposeful Council

The Student Council and Teachers

The role of teachers is

1. To develop a spirit of partnership and co-operation between a Student Council and teachers
2. To motivate the Student Council play an important role in recognising and supporting the work of teachers.
3. To signify that the interest and support of teachers will be of great value to a Student Council, particularly during the early stages of its development
4. To be enthusiastic in attending the meetings of the Council and to support and guide when planning its activities
5. To attend Council meetings so as to build a co-operative and good working relationship between students and the members of faculty.

5.4 Alumni Engagement

5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

The University has a registered Alumni Association. The alumni Registration Number is SRG/Kaniyakumari/85/2020 with the following details: The alumni association is named as “Noorul Islam Alumni Association” and formed on 03.06.2020. The association is registered at District Registrar office, Kanyakumari on 29th July 2020. The President of the association is Dr. B. Bavanish and Dr. N. Abilash works as the Vice President. The Secretary and Joint Secretary of the association are Dr. J. Arul Linsely and Dr. G. Arockia Selva Saroja respectively. Mr. K. P. Rajesh serves as the treasurer. The other committee members are Dr. C. P. Maheswaran, Mr. P. V. Samuel Blessed Nayagam, Dr. Y. Jeyasheela, Mrs. S. Beulah, Dr. R. Sarath, Dr. S. Gopalakrishnan, Dr. S. Maria Celestin Vijila, Dr. K. Muthuvel, Dr. K. Chitra, Dr. S. Felix Stephen and Mr. S. Raja.

Yes

5.4.2 No. of registered Alumni:

3000

5.4.3 Alumni contribution during the year (in Rupees) :

NIL

5.4.4 Meetings/activities organized by Alumni Association :

Meetings/Activities	Name of the Activity	Date	Number of participants
Alumi meeting	Executive Committee Meeting	20-11-2019	11

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Decentralization

The office of the Vice Chancellor delegates all the academic and operational decisions based on policy to the Academic Affairs Department headed by the Director AA in order to fulfil the vision and mission of the HEI. Director AA formulates the working procedures and ensures the implementation.

Decentralization improves the level of job satisfaction as well as employee morale, especially amongst the lower level body. Furthermore, it strives to satisfy the varying requirements for participation, independence, and status. Another important pointer in the advantages and disadvantages of decentralization is that decisions are taken and executed by authorized personnel. This, in turn, results in faster and accurate decisions which are well aware of the real scenario.

Faculty members are given representation in various committees. Faculties are encouraged to develop leadership skills by being in charge of various academic, co-curricular, and extracurricular activities. They are given authority to conduct industrial tours, also appointed as coordinator/convener for organizing seminars/workshops/conferences/FDPs etc.

Participative management

Participative management use as an attempt to satisfy employees and increase productivity by participatory and level of involvement of employees in, control over, and decision making in each an every activity.

The institute promotes a culture of participative management by involving the staff and students in various activities. Both students and faculties are allowed expressing themselves of any valuable suggestions to improve the excellence in various aspect of the Institute.

Teaching Staff are allowed to participate in Governing Body, IQAC, Grievances Redressal Cell, Anti-ragging Committee, Examination cell, Extracurricular activities, Placements. Non - Teaching Staff are allowed to

participate in Local managing committee, Admission cell, Anti-ragging Committee. Students are allowed to participate in Class committee, Program committee, Anti ragging Committee, Institute magazine and newsletter Editorial Board.
6.1.2 Does the institution have a Management Information System (MIS)? Yes/No/Partial:
Yes
6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):
❖ Curriculum Development The University provides complete autonomy to the departments to revise/update existing curricula to incorporate latest knowledge development and introduce new courses in tune with employability needs. The institution believes in constantly improving the curriculum. A systematic process is followed to enrich the curriculum. Every program has been approved by Board of Studies, which comprises of some selected internal faculty and, academicians from other institutions and subject experts from industries. Principles of Bloom's Taxonomy have been applied while designing the courses. The curriculum is reviewed periodically and revisions would be undertaken based on the feedback from all the stake holders.
❖ Teaching and Learning Equitable and affordable teaching and learning strategies were initiated in each department. Outcomes Based Education Model (OBE), Choice Based Credit System, Choice of NCGPA credits / Credit Transfer / MOOC equivalence, LMS, Smart Classrooms, Flip Classroom concepts, LTPS structure, Lab integrated with theory courses were followed. Distinct Assessment Platform for various courses is based on the uniqueness of the course, Inclusion of e-books, courseware, tutorial modules for each course, CO – PO mapping and Bloom's Level attainment for each course, Student learning Outcomes and Profiling for each course, Inclusion of mini projects for courses, Compulsory internships, Online surveys, quiz, tests and seminars
❖ Examination and Evaluation Examination and Evaluation is to cover a wide range of assessment methods such as Continual Internal Assessment (CIA) and End Semester Assessment (ESA), problem solving, assignments, course projects etc. The system of Absolute Grading has been followed. The certificates of mark statements shall mention range of total marks, letter grade and grade points, SGPA and CGPA. Central Valuation is followed. For each discipline and subject, a Valuation Board consisting of the Chief Examiner and the Additional Examiners is appointed by the Controller of Examinations to evolve a Scheme of Valuation and keys for each paper after due deliberation.
❖ Research and Development The Board of Research, Development and Consultancy (BRDC) is an apex body which promotes, encourage and regulate research activities. Scholars receive fellowship from NICHE (full time scholar), Moulana Azad National Fellowship (4 scholars), INSPIRE fellowship (3 scholars) and CSIR-SRF (1 scholar) NICHE-BRDC encourages its faculty to file patents. Projects have been funded from DST, CSIR, ISRO, DAE, AICTE, TNSCST, DRDO and DBT. Plagiarism check is mandatory and is carried out using iThenticate/Urkund Detection Software. The Ph.D. theses awarded are deposited in UGC Shodhganga Inflight digital repository. NICHE has signed MoUs with various Institutes, Universities and Industries of National and International reputation.
❖ Library, ICT and Physical Infrastructure / Instrumentation A very good infrastructure, with a peaceful environment was provided to users for effective use of resources. The increased hours accessibility to the Central Library with more than 81,000 books, journals (>185), E – journals (>27,000) E-books (>13,000), magazines, fortnights, weeklies and newspapers (12) in different languages ensure full support to research. Library is equipped with E-learning centre for continual learning of

students and faculties to upgrade their skill in the area of teaching and research. Research and Consultancy supportive lab equipments are available at Aeronautical department. Each department also has a well-equipped library with a good number of books and project CDs.
❖ Human Resource Management Human resource management (HRM-NICHE) is the premeditated and logical approach to the management of the Institution's employees working individually and collectively to the achievement of the objectives. Quality Improvement Strategies of HRM are as follows. • Human resources management – obtaining, evaluating and reporting on data that enlighten the direction of value-adding people management, strategic and operational decisions. • Institute's social responsibility – a commitment to managing the stakeholders ethically to make a positive impact on society and environment. Employee relations and well being – analysing the ways and means of formulating and meeting the needs of employees for healthy, safe and supportive work environment.
❖ Industry Interaction / Collaboration To explore and identify common avenues of interaction with industry as per the requirements of the institution. To identify and facilitate Guest Lectures, Interactive Workshops, Conferences, Seminars, Brain Storming Sessions, Technical discussions with members of the Industry, outside experts, eminent personalities at regular interval. MOU is signed with Department of Physics, Sadakathullah Appa College, Rahmath Nagar, Tirunelveli for a period of 5 years for Joint research projects and publications, Faculty and student exchanges, Joint conferences and workshops, visit by faculty and students, joint development of courses and programmes. MOU is signed with KELTRON (Kerala State Electronics Development Corporation Limited), Keltron house, Vellayambalam, Trivandrum for a period of 3 years for academic projects and inplant training to impart technical training for students in various stages of product developments, conducting Industrial workshops, related industrial speeches, seminars etc.
❖ Admission of Students A constitution of Admission Committee for NICHE consists of Registrar, Director of Admission, Academic Affairs, Entrance Examination, Research, HODs and Senior professors. The Committee decides on: ✓ Advertise the admission in the university website and dailies about various programmes and fee structure. ✓ Eligibility criteria for admission to various programmes. ✓ Fixation of fees. ✓ Norms for Merit Scholarship. ✓ Special merit scholarship for students who score 70 % and above in PCM at +2 level for B.E/ B.Tech programmes. ✓ Conduct of Entrance Examination and announcement of results. ✓ Calling of application for Admission. ✓ Counselling date etc.
6.2.2 : Implementation of e-governance in areas of operations:
❖ Planning and Development SMS system for dissemination of information like student attendance, CUG with SMS facility for HOD and authorities etc including regular notice to all stakeholders.
❖ Administration Online leave requisition system.
❖ Finance and Accounts Fully computerised and automated office and accounts section.

❖ Student Admission and Support Online admission including online payment gateway. Maintaining students and faculty database through MIS				
❖ Examination Online result publication accessible individually by students.				
6.3 Faculty Empowerment Strategies				
6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year				
Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Prof.A.R.Subramonia Iyer	XII National Cyber Defence Summit'19	National Cyber Safety and Security Standards	Rs 5435
2019	Dr.S.Palanikumar	XII National Cyber Defence Summit'19	National Cyber Safety and Security Standards	Rs 5088
2020	Dr.R.Mathusoothana.S. Kumar	UGC Sponsored Professional Development (Workshop)	UGC Human Resource Development Centre (UGC-HRDC) and Internal Quality Assurance cell (IQAC)	Rs 2515
2020	Dr.S.Palanikumar	UGC Sponsored Professional Development (Workshop)	UGC Human Resource Development Centre (UGC-HRDC) and Internal Quality Assurance cell (IQAC)	Rs 2625
2020	Dr.S.Maria Celestin Vigila	Cyber Security Essentials (Faculty Development Program)	ICT Academy	Membership Fee
2020	Dr.S.Maria Celestin Vigila	Mobile App Development (Faculty Development Program)	ICT Academy	Membership Fee
2019	Dr. Janaki. M.C	COCON 2019 - The International Cyber and Policing Conference	COCON 2019 - The International Cyber and Policing Conference	Rs. 8900
2019	Dr. AC Subhajini	Emotional Intelligence by ICTACT	ICTACT permanent Member	Rs.1000
2020	Dr.AC Subhajini	Mobile App Development by ICTACT	ICTACT permanent Member	Rs.1000
2020	Dr.J.Joseph	Int. conference on ICMS2020	Tripura University Tripura	Rs. 30000
2019	Dr. S. Vinila Jinny	PHP Programming	ICTACT	Membership Fee
2019	Dr.J.E.Judith	PHP Programming	ICTACT	Membership Fee
2019	Mrs. P. O. Sinciya	PHP Programming	ICTACT	Membership Fee
2019	Dr. Julia Punitha Malar Dhas	Emotional Intelligence	ICTACT	Membership Fee
2019	Dr. R. Chitra	Emotional Intelligence	ICTACT	Membership Fee

2019	Dr. C. P. Maheswaran	Emotional Intelligence	ICTACT	Membership Fee
2020	Dr. P. Venkadesh	Mobile App. Development	ICTACT	Membership Fee
2020	Dr. C. P. Maheswaran	Mobile App. Development	ICTACT	Membership Fee
2019	D. Menaka	Emotional Intelligence	ICT Academy	Membership Fee
2019	S. Binu Sathiya	Emotional Intelligence	ICT Academy	Membership Fee
2019	Dr. R. Ganapathi Raman	Faculty Development Programme on Emotional Intelligence	ICT Academy, Chennai	Membership Fee
2020	Dr. R. Ganapathi Raman	Faculty Development Program on Digital Marketing (Online Live FDP)	ICT Academy, Chennai	Membership Fee
2020	Dr. R. Ganapathi Raman	Team Building and Managing (Online Live FDP)	ICT Academy, Chennai	Membership Fee
2020	Dr. B. Bindhu	Accelerating Industry 4.0 - A Post Covid Paradigm	ICT Academy, Chennai	Membership Fee
2020	Dr.S.V.Divya	Cyber Security Essentials (Faculty Development Program)	ICT Academy	Membership Fee
2020	Dr. B. Bindhu	The future of skill - Education, Employment and Entrepreneurship	ICT Academy, Chennai	Membership Fee

6.3.2 Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2019	FDP	First Soft Skill Development (SSDP)	21-09-2019	229	40
2019	FDP for Faculty members	Second Soft Skill Development (SSDP)	28-09-2019	47	40
2019	FDP for Associate Professors	Third Soft Skill Development (SSDP)	19-10-2019	50	28
2019	Fourth FDP for Professors/HODs	Fourth Soft Skill Development (SSDP)	09-11-2019	27	40
2019	Fifth FDP for Assistant Professors	Fifth Soft Skill Development (SSDP)	30-11-2019	85	18
2019	Sixth FDP for	Sixth Soft Skill	21-12-2019	78	18

	Assistant Professors	Development (SSDP)			
2020	Seventh FDP-Induction for Assistant Professors	Seventh Soft Skill Development (SSDP)	25-01-2020	36	15
2020	Eighth FDP-Induction for HODs & Assistant Professors	Eighth Soft Skill Development (SSDP)	15-02-2020	125	10

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Indigenous Knowledge Systems and Modern Education	21	25-05-2020 to 20-05-2020
Nanomaterial Synthesis, Process, Characterisation and its Functional Applications	2	06-07-2020 to 11-07-2020
Uncovering PIAZZA for Effective Teaching	2	27-05-2020
Design the Thinking	2	22-05-2020
FDP - Seeking Solutions During and Post Pandemic COVID 19	2	21-06-2020 to 25-06-2020
FDP - Recent Innovations in Chemical Engineering	4	29-06-2020 to 3-07-2020
FDP - Injury Free Sports	8	03-06-2020
Emerging Technologies in IT Industry 2020	9	06-07-2020 to 10-07-2020
FDP -7 QC Tools for Educational Excellence	8	22-06-2020 to 26-06-2020
FDP on Educational Video Creation	13	12-06-2020 to 18-06-2020
FDP -Current Progress and Future prospects of Biotechnology	10	8-06-2020 to 13-06-2020
FDP -Applications of tools and techniques in Research methodology	52	3-06-2020 to 7-06-2020
FDP -Tools for Scientific Communication and Effective Teaching	7	02-06-2020 to 06-06-2020
FDP -Challenges and Choices of Persons with Special Needs during Covid 19 - Action and Advocacy	2	02-07-2020 to 03-07-2020
FDP - Recent Trends In Biomedical Engineering- Research Perspective. NGP	2	26-04-2020 to 30-04-2020
FDP - Building a Predictive Understanding of Microbial Communities	4	23-05-2020 to 24-05-2020
FDP - Biological Sciences	4	25-05-2020 to 31-05-2020
FDP - Domestic and Industrial Water and Waste Water Treatment	8	06-06-2020 to 10-06-2020
FDP - Moving to Master Science in Technology	3	18-06-2020 to 20-06-2020
FDP - Teaching Pedagogies-Innovative Ways	4	19-06-2020 to 25-06-2020
FDP - Recent Trends in Biomedical field Research Perspectives	2	26-04-2020 to 30-04-2020
FDP - Moodle learning Management System	6	25-05-2020 to 29-05-2020
FDP - Innovation to Academics	2	11-05-2020 to 16-05-2020
FDP - Research Methodologies, tools and techniques	4	08-06-2020 to 12-06-2020
FDP - IPRs for Professional Innovators	13	16-06-2020 to 20-06-2020
FDP - How teachers can make a difference	6	15-06-2020 to 19-06-2020

FDP - E-content Development for Teachers	1	01-06-2020 to 05-05-2020
FDP - “JOOMLA”	2	01-06-2020 to 05-06-2020
FDP - Python for Data Science	4	24-06-2020 to 28-06-2020
FDP - Emerging technologies in IT industry 2020	2	24-06-2020 to 28-06-2020
FDP - Design thinking	4	01-06-2020 to 05-06-2020
Design Thinking	2	01-05-2020 to 05-05-2020
Introduction to machine learning	2	05-06-2020 to 09-06-2020
FDP-“Standardization and Regulatory measures of Herbal Drugs (SRH)”	2	03-06-2020 to 04-06-2020
FDP - Moodle Learning Management System.	2	25-06-2020 to 29-06-2020
Webinar on Reflections and Suggestions on using Technology in Indian Schools and Universities	3	20-05-2020
Webinar on ‘Post Covid Scenario Of Technical Education & Industry Recruitment’	3	30-5-2020
Webinar on Online teaching learning and online assesment demo	1	11-6-2020
Webinar titled “ENERGY EFFICIENCY TOWARDS SUSTAINABLE DEVELOPMENT GOALS”	8	17-6-2020
webinar on“GREEN ARCHITECTURE”	4	16-6-2020
Webinar on "Remote Sensing for Environmental Studies"	3	13-6- 2020
“Webinar on Glimpses of Research Methodology”	1	11-6-2020
Online “Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation“	1	11-5-2020
webinar on “Stress Management During Covid-19”	1	26-6-2020
online course on “Satellite Photogrammetry and its Application”	2	26-06-2020 to 03-07-2020
Artificial Intelligence & Machine Learning	1	18-05-2020 to 18-05-2020
Webinar in Food Nutrients: Boost the Immune system to surpress the level of Covid-19	1	15-06-2020 to 15-06-2020
Webinar on NAAC -The New Format A Paradigim Shift	37	12-06-2020 to 12-06-2020
Webinar on Expanding Scope of Robotics	1	21-05-2020 to 21-05-2020
Webinar on “Healthcare Advancement in COVID-19”	2	08-06-2020 to 08-06-2020
Webinar on Impact of machine learning on IOT	1	17-06-2020 to 17-06-2020
Webinar on Significance, Impact & Imperatives of Accredation & NBA Process	24	13-06-2020 to 13-06-2020
International Webinar Series organized by PG and Research Department of Physics	1	12-06-2020 to 12-06-2020
Online Five days FDP on Application of tools & Techniques in Research Methodology	1	03-06-2020 to 07-06-2020
Webinar on The future of computing - Cloud & Fog Computing	15	29-05-2020
Intermediate Python	1	25-04-2020
data manipulation with pandas	1	01-05-2020 to 01-05-2020
Mering DataFrames with pandas	1	12-05-2020 to 12-05-2020
Introduction to Data Visualization with Matplotlib	1	12-05-2020 to 12-05-2020
Introduction to Data Visualization with Seaborn	1	17-05-2020 to 17-05-2020
Python Data Science Toolbox (Part 1)	1	19-05-2020 to 19-05-2020
Python Data Science Toolbox (Part 2)	1	20-05-2020 to 20-05-2020
Intermediate data Visualization with Seaborn	1	23-05-2020 to 23-05-2020
Introduction to importing Data in Python	1	24-05-2020 to 24-05-2020

Intermediate importing Data in Python	1	20-05-2020 to 20-05-2020
Cleaning Data in Python	1	03-06-2020 to 03-06-2020
Working with Dates and Times in Python	1	04-06-2020 to 04-06-2020
Exploratory Data Analysis in Python	1	10-06-2020 to 10-06-2020
Analyzing Police Activity with pandas	1	12-06-2020 to 12-06-2020
Statistical Thinking in Python (Part 1)	1	14-06-2020 to 14-06-2020
Statistical Thinking in Python (Part 2)	1	18-06-2020 to 18-06-2020
Supervised Learning with scikit-learn	1	06-06-2020 to 06-06-2020
Unsupervised Learning in Python	1	23-06-2020 to 23-06-2020
Introduction to python	1	22-04-2020 to 22-04-2020
Machine Learning with tree-Based Models in Python	1	30-06-2020 to 30-06-2020
Cyclic and Linear Sweep Voltammetry	1	31-05-2020
Static Analysis of RC Building for Seismic Load by IS1893-2016	1	15-06-2020
Innovation & Intellectual property rights	2	25-06-2020
How to be an Effective Teacher	1	05-06-2020 to 06-06-2020
Ultrafine grained materials: Old material with futuristic Properties	1	04-07-2020
The Space Scientists - Mission Aditya	1	22-07-2020
Nanostructured Metal oxide thin films for Sensor Technology	1	16-07-2020
Hydrogen as future Fuel	1	10-07-2020
Today's Challenges in Automobiles	8	15-06-2020
DESIGN THINKING FOR HEALTH CARE INNOVATION	1	06/06/2020
GLOBAL CHALLENGES IN NEW PRODUCT DEVELOPMENT”	1	11-06-2020
Finite Element modelling of Metal Forming Processes	1	05-06-2020
Advances in Fluid Dynamics	1	09-06-2020
Remote Sensing for Environmental Studies	1	13-06-2020
The Bridges	2	13-06-2020
PERL SCRIPTING	1	10-06-2020 to 14-06-2020
Artificial Intelligence (AI) and Machine Learning (ML)”	1	06-07-2020
HVAC ENGINEERING DESIGN & APPLICATIONS	1	11-07-2020
Electrical Design and Safety	1	02-09-2020
Forensic Structural Engineering	3	11-06-2020
Research Thrust Areas in Composites	1	20-05-2020
Guidelines for Writing a Research Paper	1	22-05-2020
Online Learning and Evaluation: Challenges and Opportunities to the teachers during COVID19 Pandemic	4	23-05-2020
AICTE FDP on Recent Advances in Material Characterization	1	23-05-2020 to 28-05-2020
How to write a Research Paper	4	25-05-2020
Webinar on The future of computing –cloud fog computing	1	29-05-2020
Role on Electromagnetics in Aerospace Applications using Altair Feko	8	30-05-2020
Role on Electromagnetics in Aerospace Applications Using Altair Feko	2	30-05-2020
Emerging global trends in space systems	2	01-06-2020
Emerging Global Trends in Space Systems	2	01-06-2020
Patent Filing Publications & Commercialization	1	02-06-2020
Current Challenges and opportunities for Mechanical engineers	2	05-06-2020
Managing Corrosion	1	06-06-2020
Mechatronics Engineering for Industry 4.0 Era	1	08-06-2020 to 13-06-2020
Online Teaching-Learning Processes using ICT Tools for	8	08-06-2020 to 13-06-2020

Education 4.0		
Mechanical Behaviour of Advanced and its Scope for Engineering Applications	3	10-06-2020
Basics of fire and safety engineering	10	01-06-2020
Artificial Intelligence and Data Science	5	10-06-2020 to 14 - 06 -2020
Five Day faculty development program on Network Security	1	15-06-2020 to 19-06-2020
FDP on Application of IoT	1	16-06-2020 to 20-06-2020
Evolution of Additive Manufacturing	5	17-06-2020
5 Day online Faculty Development Programme on Industry 4.0: Bridging the gap between industry and academia in Mechanical Engineering	3	17-06-2020 to 21-06- 2020
“Design Services in Advanced Manufacturing”	1	22-06-2020 to 27-06-2020
Developing Shape Memory Alloys for Advance Manufacturing and Robotic Applications	2	24-06-2020
Current and emerging trends in aeronautical engineering	1	24-06-2020
Energy Management in Building	3	26-06-2020
Geospatial Technologies for Managing Agriculture	1	27-06-2020 to 28-06-2020
Artificial Intelligence	1	27-06-2020
Creating Online Courses through Open Educational Resources (OER)	4	28-06-2020
Soft Skills and Cloud Technologies	1	29-06-2020 to 01-07-2020
Introduction to Finite Element Analysis	8	30-06-2020
Cloud Computing with AWS	1	30-06-2020 to 04-07-2020
Space Astronomy	4	30-06-2020
Hybrid Energy and renewable energy	2	07-08-2020
Automobile technology and advanced diagnostics	1	29-10-2019
Virtual Reality & Augmented Reality in Aviation Industry (Webinar)	1	18-05-2020
Product Lifecycle Management in Aerospace Industries(Webinar)	1	30-05-2020
Nurturing the Graduates on Industry readiness(FDP)	11	12-06-2020
Additive Manufacturing 3D printing(Webinar)	1	3-06-2020
Advanced Techniques for Energy Efficient Devices and MATLAB coding(Webinar)	1	07-06-2020
Design Guidelines for Additive Manufacturing using FDM(Webinar)	2	29-05-2020
Shape memory alloys for micro mechatronics and soft robotics system(Webinar)	1	10-06-2020
Design Thinking for Manufacturing(Webinar)	1	29-06-2020
An overview about the Aircraft Systems(Webinar)	1	15-06-2020
Basics of Battery Electric Vehicles and Technology Overview(Webinar)	3	12-06-2020
FDP- Recent Trends in Electrical Engineering	1	01-06-2020 to 05-06-2020
FDP- Ground Breaking Technologies	1	01-06-2020 to 07-06-2020
NAAC accreditation a new frame work	1	19-06-2020
Research Challenges in Surface Engineering	1	23-06-2020
Cryogenic propulsion systems	1	25-06-2020
Micro structure and Texture Analysis of High Entropy Alloys	1	26-06-2020
Online Certification on Python for Data Science	1	01-07-2019 to 30-10-2019
Webinar on Intervention Of Technology In Higher Education Amid The Corona Crisis: Aew We Future Ready -	1	13-04-2020

Webinar on The Future of Making	1	14-04-2020
Webinar on Introduction to AI & ML	1	15-04-2020
Webinar on Cyber Security Essentials	1	16-04-2020
Webinar on Design Thinking - Preparing the mind for disruption	1	17-04-2020
Webinar on NAAC Accreditation Management System Demo	1	17-04-2020
Webinar on Digital Transformation in Enterprise	1	18-04-2020
Webinar on Leading in a VUCA World	1	20-04-2020
Webinar on Leading in a VUCA World	1	21-04-2020
Webinar on Leading in a VUCA World	1	22-04-2020
Webinar on Leading in a VUCA World	1	23-04-2020
Webinar on Leading in a VUCA World	1	24-04-2020
Webinar on Job Skills to Succeed in a Post Pandemic World	2	25-04-2020
Webinar on Cloud Computing Fundamentals	1	27-04-2020
National Level Online Faculty Development Programme on Business Agility Towards Innovation in IT	1	28-04-2020
Faculty Development Programme on Engendering the Next Generation Educators	1	23-04-2020 to 28-04-2020
Webinar on AWS Purpose Built Databases	2	29-04-2020
Webinar on Future is Here Now	4	27-04-2020
Webinar on Future is Here Now	3	28-04-2020
Webinar on Future is Here Now	3	30-04-2020
Webinar on Future is Here Now	4	30-04-2020
Webinar on Future is Here Now	5	01-05-2020
Online Certificate Course on Strategies To Address The Soft Skill Gap	1	01-05-2020
Live Webinar on Recent Advancement of Education and Technology	1	01-05-2020
On-Line Faculty Development Programme on Data Science Approach for Industry and Research	1	02-05-2020
Online Faculty Development Programme on Machine Learning Using Python	1	04-05-2020
Super Session Webinar on The Power of A Teacher	9	04-05-2020
Power Seminar Webinar on Job Skills to Succeed in a Post Pandemic World		04-05-2020
Webinar on Campus to Corporate	1	06-05-2020
Faculty Development Programme on Recent Insights on Cyber Security	1	07-05-2020
Faculty Development Programme on Data Sciences	1	08-05-2020
Webinar on The Future of Education, Employment & Entrepreneurship	3	04-05-2020
Webinar on The Future of Education, Employment & Entrepreneurship	3	05-05-2020
Webinar on The Future of Education, Employment & Entrepreneurship	2	06-05-2020
Webinar on The Future of Education, Employment & Entrepreneurship	2	07-05-2020
Webinar on The Future of Education, Employment & Entrepreneurship	2	08-05-2020
Twitter (Live) on Leadership Talk with DP Singh, UGC	1	09-05-2020

(Examination and Academic)		
Online Faculty Development Programme on Recent Trends in Colour Image Processing	1	10-05-2020
Webinar on Python Programming	1	11-05-2020
Digital Workshop Google Forms and its Application	1	12-05-2020
Webinar on IPR and Patent Drafting	1	13-05-2020
FDP on Digital Teaching for Digital Learners	1	14-05-2020
Super Session Webinar on Good Teacher to Great Teacher	17	15-05-2020
Webinar on Tax planning for Salaried Employees	1	16-05-2020
Online International Webinar on Career Guidance	2	17-05-2020
Webinar on Ubiquitous Computing	1	18-05-2020
FDP on Cryptography and Network Security	3	11-05-2020 to 15-05-2020
Twitter (Live) on Leadership Talk with Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited	2	16-05-2020
Webinar on Basics of Data Sciences	1	17-05-2020
International Webinar on Series on Advanced networking Concepts	1	18-05-2020
Webinar on 5G as an Enabler In Digital Transformation	1	19-05-2020
International Webinar Series on Advanced Technologies using Cloud Computing	1	20-05-2020
Webinar on Global Mega Trends, Technologies & Covid 19 Impacting Sectors	2	21-05-2020
Webinar on Building Skills in Robotic Process Automation	2	22-05-2020
International Webinar Series on Data Science and Predictive Marketing	1	23-05-2020
Online Faculty Development Programme on Mobile Operating Systems	2	24-05-2020
Super Session Webinar on Personal Financial Management	12	25-05-2020
Online Webinar on Cyber Security	3	20-05-2020
National Level Webinar on CNN,RNN,NLP	5	18-05-2020 to 20-05-2020
Webinar on Venturing into the world of IoT	1	21-05-2020
Webinar on Beyond Covid - Leading Through Change	1	21-05-2020
Online Faculty Development Programme on Learning , Pedagogy and Effective Use of Case Methodology	1	17-05-2020 to 21-05-2020
International Webinar Series on Secure Coding Practices	1	22-05-2020
Faculty Development Programme on Principle of Management	1	18-05-2020 to 22-05-2020
FDP on Applications of Data Analytics in Data Science	2	21-05-2020 to 22-05-2020
Faculty Development Programme Challenges in Higher Education during post covid 19	1	18-05-2020 to 23-05-2020
Twitter (live) on Leadership talk With Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd.	1	23-05-2020
FDP on Next Generation Intelligence	3	25-05-2020
Webinar on Conversation on "Industry 4.0 - A post Covid Paradigm"	7	25-05-2020
Webinar on Teachers and Technology	16	26-05-2020
Webinar on Dimensions of Employability Skills Post COVID 19	1	26-05-2020
Webinar on Accelerating Industry 4.0 - A Learning & Development Perspective	2	26-05-2020
Webinar on "Fit-4 Future" Next Gen Technologies	1	26-05-2020
Webinar on Employability Skills for the Future	1	26-05-2020

International Webinar Series on Introduction to Hyper Converged Computing Technology	1	26-05-2020
Online International Conference Recent Trends In Industry Requirements	2	26-05-2020
Webinar on Hands-on Session on Google Sites and Open Educational Resources.	1	27-05-2020
Webinar on Impact of Artificial intelligence and cognitive computing, post covid 2019	2	27-05-2020
Webinar on Discover the Diamond in You	2	28-05-2020
Webinar on Introduction to IOT : A Research Perspective	1	28-05-2020
International Webinar on Recent Research Trends in Data Science.	5	28-05-2020
Webinar on Virtual and Augmental Reality Applications for Manufacturing and Healthcare	1	29-05-2020
Certification on MOODLE Learning Management System	4	20-05-2020 to 29-05-2020
Webinar on Soft Skills And Life Skills	1	30-05-2020
Workshop on Patent Searching, Drafting and Filing	3	29-05-2020 to 02-06-2020
Super Session Webinar on Improving the Skill Set & Changing the Attitude	5	05-06-2020
Webinar on Joy of Computer Programming	1	09-06-2020
Webinar on Campus to Corporate	1	08-06-2020
Webinar on Introduction to Data Science Using Python	1	10-06-2020
Webinar on Operational Challenges And Corporate Responsibility of Railways in COVID19 Pandemic	2	12-06-2020
Webinar on Web Application Security	1	12-06-2020
Twitter Live on Leadership Talk with Shri.R.Subrahmanyam IAS	1	13-06-2020
Faculty Development Programme on Overview, Importance of IPR & Procedure for Filing Patent	1	17-06-2020
Webinar on Digital Technologies in current health programmes	1	17-06-2020
Webinar on Mitigating the Skill Gap from Academics to Corporate	1	17-06-2020
Webinar on Network Virtualization for IOT	1	18-06-2020
Faculty Development Programme on Drafting of complete specification Report for Patent & Grant of Patent (FER)	1	18-06-2020
Webinar on Writing Effective Essays	1	18-06-2020
Faculty Development Programme on IPR - Industrial Design, Patents and Design Search, How to convert student projects Into IPR	1	19-06-2020
Webinar on Operational Challenges And Corporate Responsibility Of Railways In Covid19 Pandemic	1	19-06-2020
Super Session on Future of Education	5	18-06-2020
Webinar on Insightful Fridays of Skycampus Digital Knowledge Webinar on Series	1	19-06-2020
Webinar on Web 2.0 Tools for Teachers	1	19-06-2020
Webinar on Updating Research Profile Amidst Covid 19	1	22-06-2020
Webinar on Introduction to Sales Force	1	23-06-2020
Silver Jubilee International Webinar on Covid-19 Pandemic and its impact on India's Health Care System	1	25-06-2020
Webinar on Materials Engineering Technology	1	22-06-2020 to 23-06-2020
Webinar on Let it Burn	1	28-06-2020
Webinar on Technology in Banking and Scope for Engineers	1	30-06-2020
Webinar on Machine Learning	1	29-06-2020 to 30-06-2020

Online Certification on Introduction to Internet Things	1	01-01-2020 to 30-04-2020
Seminar on Python programming	3	19-2-2020
Live webinar by participating in Future ready university in 90 days	3	28-05-2020
The webinar on Introduction to IoT with Google firebase	4	06-06-2020
The webinar on “COVID-19 Pandemic and its impact on India’s Health Care System”	11	25-06-2020
Faculty Development Programme on “Cloud Computing” (NPTEL 8 Weeks)	1	01-08-2019 to 31-10-2019
Faculty Development Programme on “Internet of Things” (NPTEL 12 Weeks)	1	01-01-2020 to 30-04-2020
Webinar on “Redefining The Leadership In Virtual Environment - Innovation To Transformation” by Elets Technomedia and Digital Learning Magazine.	1	04-05-2020
Webinar Entitled “Materials To Device Application” Organized By The Department Of Physics, Sree Ayyappa College For Women, Chunkankadai	1	30-05-2020
Webinar on “Discover Data Science & Analytics” by capstone innovative solutions	9	09-06-2020
Demo on “Online Teaching Learning and Online Assessment” by inPods Ed-tech	1	19-06-2020
One week online FDP on Cyber Security by St. Xavier’s Catholic College of Engineering	2	22-06-2020 to 27-06-2020
Advanced Networking Technologies	1	13-06-2020 to 15-06-2020
WIRELESS COMMUNICATION USING MATLAB	1	25-06-2020
Emotional Intelligence by ICTACT	8	17-12-2019 to 19-12-2019
Webinar on the role of building materials in harmonizing ecology, emotions and economy of the home	1	21-05-2020
MATLAB Software for Power Electronics- Hands on Training	2	30-05-2020
Faculty Development Program on “Role of Chemistry in COVID-19”	4	13-05-2020
Two weeks FDP on MOOCs, PMMNMMTT, Ramanujam College, Delhi	1	20-04-2020 to 06-05-2020
E-content preparation-Finding copyright free images and sounds	1	13-05-2020
Role of teachers in quality enhancement and accreditation	1	11-05-2020 to 18-05-2020
FDP on virtual teaching	2	20-04-2020 to 21-04-2020
Effective use of Digital technology to enhance teaching-learning	1	19-05-2020 to 23-05-2020
Green chemistry towards sustainable development	1	27-05-2020 to 29-05-2020
Innovations in teaching methodologies	1	21-05-2020 to 27-05-2020
Data analysis using spreadsheet	1	19-05-2020 to 22-05-2020
FDP on tally with GST	1	11-05-2020
5 days -FDP on Novel materials and its industrial applications	2	13-05-2020 to 18-05-2020
Two days FDP on recent trends in material frontiers	5	29-05-2020 to 30-05-2020
5 days FDP on Chemistry significance in engineering, pharmacy ,nanotechnology and environment	1	02-06-2020 to 06-06-2020
One week online Faculty Development Program On Materials: Recent Trends & Engineering Applications	2	02-06-2020 to 07-06-2020
International FDP on recent trends in science and technology	2	15-06-2020 to 20-06-2020
One Week Online Short Term Training Program on “Recent Development of Advanced Materials and its Applications in	2	17-06-2020 to 22-06-2020

Technology”		
FDP ON “Engineering Research - Outcome based Approach ”	1	22-06-2020 to 26-06-2020
One week FDP on molecules and beyond the molecules	3	15-06-2020 to 19-06-2020
Novel Materials and its Industrial Applications (FDP)	2	13-05-2020 to 18-05-2020
Step-by-step for writing research articles(FDP)	1	21-05-2020
Laboratory safety symbols(Orientation programme)	1	15-06-2020
FDP -ICT-Enabled Higher Education in india:Challenges and opportunities	1	17-04-2020
FDP-Outcome Based Education	1	18-05-2020
FDP-Managing online classes and Co-Creating Moocs:2.0	2	18-05-20 to 03-06-20
NPTEL Awareness Workshop	1	19-07-2020
Joy of Computing Using Python	1	01-01-2019 to 30-06-2019
One Day Workshop on C and C++	4	29-02-2020
Academic process, measures and metrics of TEI for NAAC-RAF	1	08-06-2020 to 12-06-2020
PHP Programming	2	18-11-2019 to 22-11-2019
Introduction to Internet of Things-NPTEL	1	07-07-2019 to 30-10-2019
Internet of Things, AICTE Training and Learning(ATAL),IIT Nagpur	2	30-04-2020 to 04-05-2020
State-of-the-Art technologies in ICT, Dr.M.G.R Educational and Research Institute,Chennai	1	22-06-2020 to 26-06-2020
Cloud Computing	2	15-06-2020 to 20-06-2020
Digital Transformation-An Introductory Course	1	08-05-2020 to 12-05-2020
Cyber Security Tools and Techniques	4	15-06-2020 to 19-06-2020
Python 3.4.3	1	22-06-20 to 27-06-20
Data Science with Python	3	18-05-2020 to 23-05-2020
Leading Industry 4.0 Revolution	2	01-06-2020 to 06-06-2020
Recent trends and Future Applications in Electronics and Communication Technologies.	5	29-05-2020 to 02-06-2020
Research Trends in Image Processing	2	15-06-2020 to 19-06-2020
Easy Way of Writing the Survey Paper	1	08-06-20 to 19-06-20
Simple Application Creation on Different Platforms using Multi-tier Architecture	1	18-05-2020 to 22-05-2020
Channelizing Innovation and Entrepreneurship through ICT Tools	3	12-05-2020 to 16-05-2020
Artificial Intelligence, Machine Learning, Internet of Things & Big Data Applications in Power Electronics and its Allied Areas	1	01-06-2020 to 06-06-2020
Artificial Intelligence & Data Science	1	10-06-2020 to 14-06-2020
Techniques for increasing the Strength & Stability of Structures	4	27-06-2020
Emerging Technologies in Civil Engineering	3	22-06-2020 to 26-06-2020
Technologies for infrastructure Planning Design, Monitoring and Management	2	16-06-2020 to 20-06-2020
Future technologies for construction Industry	4	18-06-2020
Green Technology for Sustainability	3	18-06-2020
Research Trends in Civil Engineering	3	03-06-2020 to 08-06-2020
World Food Safety Day	2	07-06-2020
Writing an effective Research paper-Means & Methods	3	08-06-2020
Webinar on Road to Deep learning	2	08-06-2020
Trends in WasteWater Treatment System	4	03-06-2020
Webinar on Civil Engineering Softwares	2	13-06-2020
Revised Accreditation Framework of NAAC	1	18-05-2020 to 20-05-2020
Webinar on the theme Leading in a VUCA World	1	20-04-2020

Webinar on the theme Leading in a VUCA World	1	21-04-2020
Webinar on the theme Leading in a VUCA World	1	22-04-2020
Webinar on the theme Leading in a VUCA World	1	23-04-2020
Webinar on the theme Leading in a VUCA World	1	24-04-2020
Emerging Green Technology on Waste Water Treatment	5	27-06-2020
Waste to Energy Concepts and its Role in Waste Diversion	5	19-06-2020
Design of Flexible Pavement Using IRC	5	14-06-2020
Innovation to Academicians	4	11-05-2020 to 16-05-2020
3 Day On-Line Industrial oriented FDP	1	11-6-2020 to 13-06-2020
Graphic design & its Importance in Architecture	3	20-06-2020
Special Concrete	3	17-06-2020
Future Technologies for Construction Industry	3	18-06-2020
Webinar on Role of Incubation Centre in Entrepreneurship	1	29-06-2020
Recent development in structural & Environmental Engineering	1	15-06-2020 to 19-06-2020
Social innovation & Change Management	5	06-05-2020
Industry & Digitalisation in Construction	2	16-06-2020
BIM for Digital Construction	3	13-06-2020
MBA Yourself	2	20-06-2020
Awareness On Industry Safety During COVID	1	23-05-2020
The Power Of A Teacher	1	4-05-2020
Insights to INDUSTRY 4.0	2	29-05-2020
Seismic Principles and Design and Green Building	1	30-05-2020
Significance of Safety And Fire Engineering	1	2-06-2020
Awaken the Great Leader in You	2	19-06-2020
The Future is Here Now	6	27-04-2020 to 30-04-2020
Webinar on Civil Engineering Software's"	1	13-06-2020
Risk Management In Projects	1	18-06-2020
"Sustainable Water Management"	2	19-06-2020
A Look at Isometric and Perspective Projections	1	25-06-2020
A Webinar On Significance Impact And Imperatives Of Accreditation	3	13-06-2020
R programming	1	01-06-2020 to 07-06-2020
Renewable Energy Technologie Integration to the power grid and E vehicle	4	28-05-2020 to 01-06-2020
Smart Power Technologies an industrial Perspective	2	01-06-2020 to 03-06-2020
Examinations in wake of COVID-19	1	08-05-2020
Outcome based Education	1	1-05-2020
Research, Funding Projects & IPR	2	07-05-2020 to 10-05-2020
IMPACT of Covid-19 and social security measures in the Unorganized sector in India	1	18-05-2020
Migration of IT infra using cloud	3	20-04-2020 to 21-04-2020
agile methodology	2	20-04-2020 to 22-04-2020
Enhancing Excellence in Higher Education Through Assessment and Accreditation	1	06-05-2020 to 08-05- 2020
One week training on counselling skills	1	18-07-2019 to 24-07- 2019
Innovation ambassador training program	2	26-02-2020 to 27-02-2020
Intellectual property rights and entrepreneurship	4	13-11-2019 to 14-11- 2019
Emerging trends in electric vehicles	1	14-05-2020 to 15-05-2020
MATLAB FOR ALL	1	04-06-2020 to 08-06-2020
TWO WEEKS FACULTY DEVELOPMENT PROGRAM ON	1	17-04-2020 to 30-04-2020

LaTeX		
Mathematical and statical modelling	1	26-05-2020 to 30-05-2020
IPR AWARENESS	1	13-05-2020
Developing Soft Skills and Personality	1	01-08-2019 to 31-10-2019
Electric Vehicles -Part I	1	02-01-2020 to 30-03-2020
Enhancing soft skills and personality	1	01-02-2020 to 30-04-2020
Technological advancement in powersystem control power controllers,drives and E- vehicle	1	27-04-2020 to 01-5-2020
Project Proposal Preparation for Scientific Research	1	29-05-2020
Upgrading Teaching Skills During and Post Covid-19 Period	1	23-05-2020
RENEWABLE ENERGY SYSTEMS	2	08-06-2020 to 12-06-2020
Online Covid-19 Awareness Quiz	1	05-05-2020
Lit O Fest 2k20, The Online Quiz	1	05-11-2020
Online Quiz Competition on The National Technology Day	1	05-11-2020
NAAC Awareness Programme for Faculty	1	08-05-2020 to 14-05- 2020
Webinar on Future of Professional Development	1	14-05-2020
Webinar on Amplifying Voices	1	14-05-2020
Online Quiz On International Day of Light	4	16-05-2020
Webinar on Activities to Engage and Motivate Teenage Learners	1	18 -05-2020
Sport e-Quiz Programme	1	19-05-2020 to 20-05-2020
Quiz Programme on William Shakespeare	2	20-05-2020
Webinar on Passive Action by Tanja McCandie	1	21-05-2020
Webinar on Harnessing the Power of Parents by Eric Baber	1	21-05-2020
Webinar on Making learning fun with young learners English tests	1	22-05-2020
Webinar on Re-Reading of Literary Texts in Current Scenario	1	22-05-2020
Webinar on The Cambridge Panel	1	26-05-2020
Webinar on E- sources in Teaching and Learning	1	26-05-2020
Webinar on A Glimpse of MATLAB	1	27-05-2020
Webinar on Why is English so difficult?	1	28-05-2020
Online Quiz on Gandhian Thought	1	29-05-2020
Online Quiz on Online Commerce	1	29-05-2020
Webinar on Using Technology in learning the English Language	1	29-05-2020
E-Quiz on Essential English Grammar and Usage	2	30-05-2020
Webinar On Think Management	1	31-05-2020
Webinar on 'How to Get, Set, Ready for Successful Webinars '	1	31-05-2020
Webinar on Do we need theory to teach speaking skills?	1	06-01-2020
Webinar on Rising to the Challenge: Strategies to Deal with Difficult Learners	1	06-03-2020
Webinar on 'Do we still need dictionaries? '	1	06-04-2020
Webinar on Understanding Protein – Power House of Human Health	1	06-05-2020
Webinar on ICT Enabled Teaching, Learning and Evaluation of English	1	06-05-2020
Webinar on Tricks and Tips to Improve the Game Plan of Teaching	1	06-05-2020
Webinar on Soft Skills	1	07-06-2020
Webinar on Games for the English Language Classroom	1	06-11-2020
Faculty Development Program on “Advanced English for Academic Delivery in specific Stream”	1	08-06-2020 to 12-06-2020
Webinar on Help Students Get a Better Grade in IGCSE English	1	18-06-2020

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Faculty Development Programme on “Teaching English Language and professional Skills in the Classroom	1	17-06-2020 to 19- 06-2020
Webinar on ‘ ICT Enabled Teaching Learning of Evaluation of English Language and Literature’	1	06-05-2020
Webinar on ‘Pandemic and Post-Pandemic Reflection’	1	15- 05- 2020,19-05-2020 and 30- 05-2020
Webinar On Soft Skills for the 21 st century Learners	2	28- 05-2020
Library Quiz	1	21- 05-2020
Webinar On Fire Safety Awareness	1	28- 05-2020
Business English Online Quiz	1	26- 05-2020
National E- quiz on English Literature	1	07- 06-2020
National Level E quiz on Shakespeare	1	13- 06-2020
Webinar On Self Assessment of Communication Skills	1	13- 06-2020
Literary Quiz	1	13- 06-2020
E Quiz , IQAC	1	27- 06-2020
Webinar on COVID 19 -Pandemic	1	25-06-2020
Webinar on Time Management	3	06-03-2020
Health Awareness Quiz	1	28-05-2020
National Level Web Quiz on Environment Day 2020	1	20-04-2020
National Level E-Quiz on Shakespeare	2	14-06-2020
Webinar on Future of AI	1	20-05-2020
Webinar on Network Security	1	28-05-2020
Webinar on Outcomes-based Education	1	18-04-2020
Webinar on 7 Innovative Strategies in Teaching/ Learning of French language	1	25-06-2020
FDP on Medical Image Processing	1	19-5-2020 to 25-5-2020
FDP on Augmented Reality and Virtual Reality	1	27-5-2020 to 29-5-2020
FDP on Arduino	3	01-06-2020 to 05-06-2020
FDP Moodle Learning Management System	10	10-6-2020 to 15-6-2020
FDP Cyber Security Techniques and Tools	3	15-6-2020 to 19-6-2020
Online Course on Computer Vision Basics	1	18- 05-2020
Online Course on Step in to Robotic Process Automation	1	02-06-2020
Online Course on MATLAB Onramp	1	05-06-2020
Online Course on Cloud Computing Basics (Cloud 101)	1	08-06-2020
Online Course on Getting Started with AWS Machine Learning	1	12-06-2020
Online Course on How to Write and Publish a Scientific Paper (Project-Centered Course)	1	14-06-2020
Online Course on Introduction to Cloud Identity	1	30-05-2020
Challenges in Integrating Nano Sensors to IoT Platform	1	4-05-2020
India First Leadership Talk	3	9-05-2020
Blockchain Technology for New Era of Higher Education	9	14-05-2020
Medical Drives	1	16-05-2020
On-Demand Webinar: Managing Your Stress During Covid-19	1	17-05-2020
On-Demand Webinar: Working From Home During Covid-19	1	19-05-2020
On-Demand Webinar: Mental Health And Resilience During Covid-19	1	19-05-2020
On Demand Workshop: Difficult Conversations – Strategies for Challenging Discussions	1	19-05-2020
Webinar on “Machine Learning for Analytics Architecture: AI to	1	19-05-2020

Design AI”		
IOT Based Solution to Fight CoVID 19	1	22-05-2020
Change is the Essence of Life	8	25-05-2020
Using Google and Facebook for Growth and Success	1	26-05-2020
AI For Healthcare Applications	1	27-05-2020
Day 5 - Catching the Cyber Virus	1	29-05-2020
The Pedagogical Innovations of 21st- Century	1	06-06-2020
Role of Internet in crisis and overview of Dark web	2	12-06-2020
Role of Middleware in Information Technology	2	13-06-2020
IOT in aerospace and electronics design	2	12-06-2020
FDP on Emerging Areas in Manufacturing	9	25-5-2020 to 30-5-2020
FDP on “Future Automotive Industry and Challenges”	3	27-05-2020
FDP on Web Application Security	1	27-5-2020 to 28-5-2020
Webinar online series	1	29-04-2020 to 02-05-2020
Building Deep Neural Networks for Object Recognition without Coding	1	05-05-2020
Introduction to Alibaba Cloud	1	5-06-2020
Writing a Winning Project Proposal	1	11-05-2020
Fighting future pandemics with Blockchain	1	12-05-2020
Employability Skills for the future	1	12-05-2020
Campus to Corporate	2	13-05-2020
Image Processing using Python	1	13-05-2020
Blockchain Technology for Era of Higher Education	1	14-05-2020
Data stream clustering with R	1	14-05-2020
Open Educational Resources	1	14-05-2020
Access to e-Knowledge Resources: Paradigm Shift in Virtual Teaching and Digital Library	1	14-05-2020
How secure are we in internet	1	15-05-2020
Cloud Computing Framework in Industry 4-0	1	16-05-2020
Industry Expectation from Students	1	18-05-2020
Gig Economy and Neoteric Business Models	2	18-05-2020
An Introduction to Robust Control	2	19-05-2020
Roles of IOT on Industrial Applications	2	21-05-2020
Covid-19 Post Lock down: Strengthening Social, Economic and Psycho-Social Resilience	1	22-05-2020
COVID-19: An Assessment of Impact and Policy Responses in India	2	23-05-2020
Skillset for Effective Classroom Teaching	2	23-05-2020
Object Tracking Using ML & Python	2	23-05-2020
Image Classification using MATLAB	1	24-05-2020
Low Power VLSI Design & Analysis	2	24-05-2020
Fine Tuning on your Research Papers	1	27-05-2020
Power System Configuration, Operation, Control and Resilience	1	28-05-2020
Substrate Immobilized TiO ₂ Photocatalysts for Environmental Applications in the Perspective of Corona Virus Pandemic	1	30-05-2020
Kick start your Research work	2	30-05-2020
FDP Virtual Teaching Through on-Line Mode	1	20-04-20 to 21-04-2020
FDP Latex and Scilab	1	30-04-2020 to 04-05-2020
Faculty Development Programme on Engineering and Management Teaching Pedagogy- an Industry Perspective	1	11-05-2020 to 16-05-2020

FDP "Are you IoT Ready? Join configuration of Smart Home using CISCO Packet Tracer"	2	23-05-2020
FDP on Understanding data analytics with real life cases	1	28-05-20 to 30-05-20
Online FDP on “Enhancing Digital Age Teaching Skill in an Uncertain Environment”	3	29-05-2020 to 30-5-20
FDP Groundbreaking Technologies	1	01-06-20 to 07-06-20
Online national workshop on interdisciplinary Resesarch Methodology ICT Application	1	08-06-20 to 12-06-20
5 day online FDP on “ContemporaryDevelopments in Manufacturing Processes, Sustainable Manufacturing and Industrial Technologies”	1	09-06-20 to 13-06-20
Two days online Workshop on "Outcome Based Education, NBA	1	11-06-20 to 12-06-20
FDP Latex & Xfig	1	15-06-20 to 19-06-20
A Five day online Faculty Development Program on Machine Learning	1	01-06-2020 to 05-06-2020
Introduction to process control and instrumentation	1	13-04-2020
Research Workflows, Research Metrics and Excellence in Academic Institutes organised by AICTE and Elsevier	2	14-05-2020
SkyCampus”The Future tech 2020“Section 1	1	18-05-2020
SkyCampus”The Future tech 2020“Section 2	1	19-05-2020
SkyCampus”The Future tech 2020“Section 3	1	20-05-2020
SkyCampus”The Future tech 2020“Section 4	1	21-05-2020
SkyCampus”The Future tech 2020“Section 5	1	22-05-2020
SkyCampus “Accelerating Industry 4-0 - A Post Covid Paradigm” Section 1	1	23 -05-2020 to 28 -05-2020
“Drug Design & Discovery” organized by Bansal Institute of Engineering and Technology, Lucknow, UP-INDIA	1	28 -05-2020
Amrita - Hebeon Online Webinar cum Workshop on "Data Science using Python"	1	17-6-2020 to 25-6-2020
FDP on “AWS Cloud Computing Services”	2	04 -06-2020
FDP on “Real Time Applications of CAD-CAM & Systems Engineering in Industry”	2	05-6-2020 to 07-06-2020
E-learning lecture series on "Bioinformatics as Cartographic Tool in Drug Discovery"	1	19-5-2020 to 30-05-2020
Two-Day Online Industry Led Training on “Amazon Web Services (AWS)”	4	04-06-2020 to 05-06-2020
Preparing for Online Teaching	1	21-05-2020
Webinar on "Challenges in Design of Power Converter for Grid Integration"	1	21-05-2020
Webinar on “Roles of IoT on Industrial Applications”	1	21-05-2020
Webinar on “Latest Trends in Power Electronics using MATLAB”	1	22-05-2020
Webinar on “EEG Signal Analysis using MATLAB”	1	22-05-2020
Webinar on “Object Tracking using MI & Python”	1	23-05-2020
Webinar on “Skill Set for Effective Classroom Teaching”	1	23-05-2020
Webinar on “Implementing Industry 4-0 for E Drive Application”	2	23-05-2020
Webinar on “Machine Vision”	1	26-05-2020
National Webinar on “Fine Tuning Your Research Papers: Publication in SCOPUS, Web of Science Indexed and ABDC Rated Journals”	2	27-05-2020
Webinar on “Robotics and Automation"	2	27-05-2020

Webinar on “Building Deep Learning Application for Big Data”	2	28-05-2020
Webinar on “Industry 4-0 -Entrepreneurial opportunities in India”	1	28-05-2020
Webinar on “Renewable energy Sources using Matlab”	1	28-05-2020
Webinar on “Artificial Intelligence for Employee Attribution”	1	29-05-2020
Webinar on “E - Vehicle Design using MATLAB”	1	29-05-2020
Webinar on “MATLAB Software for Power Electronics-Hands on Training”	1	30-05-2020
Webinar on “Developing Career Oriented Skills During Pandemic Period”	1	30-05-2020
Webinar on “Building an IoT Cloud for Healthcare Applications”	1	30-05-2020
Webinar on “Machine Learning”	1	30-05-2020
Webinar on “Mastering Machine Learning – an introductory guide with Matlab”	1	01-06-2020
Webinar on “How to build and install basic Android applications on your own”	2	02-06-2020
Webinar on “Applying Convolutional Neural Networks – A Deep Learning”	1	02-06-2020
Webinar on “MQTT Demonstration and Hands-on”	1	04-06-2020
Webinar on "Introduction to open-end winding Induction motor drives"	1	04-06-2020
Webinar on "Smart Vehicles – IoT Enabled Vehicular Communication"	1	04-06-2020
Webinar on “Concepts in Machine Learning using Python”	1	05-06-2020
Webinar on “Python programming for IoT enabled Biomedical Applications”	1	05-06-2020
Webinar on “A Machine Learning Approach for Power Management”	1	06-06-2020
Webinar on "Selection & Processing of Engineering Materials"	1	06-06-2020
Webinar on “Build your own Regression model in Machine Learning”	1	06-06-2020
Webinar on “Deep Learning & AI”	1	07-06-2020
Webinar on “Underwater Communication Systems”	1	08-06-2020
Webinar on “Gesture Recognition”	1	08-06-2020
Webinar on “Robotic Process Automation”	1	09-06-2020
Webinar on “Python Programming & Industrial Applications”	1	09-06-2020
Webinar on “5G Communications”	1	10-06-2020
Webinar on “Modelling & Simulation of FACT Controller”	1	10-06-2020
Webinar on “Robotics – An Implementation Approach”	1	11-06-2020
Webinar on “PCB Design”	1	12-06-2020
Webinar on “NAAC-The New Format-A PARADIGM SHIFT”	1	12-06-2020
Webinar on “Cognitive Radio Networks”	1	12-06-2020
Seminar on "Employability Challenges Faced by Youngsters of India in Covid Scenario and Recommended Solutions”	1	12-06-2020
Webinar on “Communication Systems for 5G Applications”	1	15-06-2020
International Webinar on “Stem education and knowledge integration"	1	15-06-2020
Webinar on “AI using Python”	1	16-06-2020
Webinar on “Smart Grid”	1	17-06-2020
Webinar on “LabVIEW”	1	17-06-2020
Webinar on “Model Design of Solar Energy using MATLAB”	1	18-06-2020

Webinar on “MATLAB in Communication Applications”	1	19-06-2020
Webinar on “Industry 4-0 – Smart Factory”	1	19-06-2020
Webinar on “Adventures of particle physicists”	2	20-06-2020
Workshop Innovation Design Thinking & Entrepreneurship	1	01-06-2020 to 06-06-2021
Workshop Neural Networks - Journey From Shallow To Deep learning	1	5-06-2020
workshop The Online Procedure To Be Followed For Admissions And Examination	1	12-06-2020
FDP OpenFOAM	1	01-06-2020 to 07-06-2020
FDP Online Faculty Development Program on LaTeX	1	01-06-2020 to 07-06-2020
FDP Digital Technologies in Industry 4-0	1	08-06-2020 to 10-06-2020
FDP Role of technology in a Post Covid World	1	12-06-2020
FDP Recent trends in mechanical engineering	1	15-6-2020 to 20-6-2020
FDP Advancements in manufacturing and optimization techniques(AMOT-2020)	1	22-6-2020 to 26-6-2020
FDP Research Challenges in Mechanical Engineering	1	22-06-2020 to 27-06-2020
Seminar on Future Tech 2020	1	20-05-2020
Training IEEE Xplore Digital Library	1	22-05-2020
An Introduction to Robust Control	1	19-05-2020
Deeplearning using Python	1	20-05-2020
ML for health care application	2	21-05-2020
COVID -19 and its impact on Indian Economy: Problems and Prospects	1	23-05-2020
AI and Robotics	1	25-05-2020
Stepping into software testing with emerging trends	1	29-05-2020
Things to know about research paper writing and citation manager	1	02-06-2020 to 03-06-2020
Role of mechanical engineering in space technology development	2	2-06-2020
“Webinar on Mathematical Models in Bio-Medical Applications-	1	3-06-2020
Role of Engineer’s in industries	1	4-06-2020
IOT for Smart Agriculture : Opportunities and Challenges	2	4-06-2020
COVID - A NEW TWIST TO INDIAN ECONOMY AND INDUSTRY	1	5-06-2020
Advances in Artificial Intelligence- Machine Learning- Deep Learning	1	5-06-2020
Analog circuit design using ADS	1	5-06-2020
Data Science and Masters Pathway and career and higher studies opportunities in USA	1	6-06-2020
Technological Solution of Covid and Post Covid challenges in Society	1	8-6-2020 to 12-6-2020
Capstone Design Project Assessment and It’s Learning Outcomes	1	8-06-2020
Design of Experiments for parameter Optimization	1	8-06-2020
Discover Data Science & Analytics	10	9-06-2020
High Electron Mobility Transistor for Microwave and Power Electronic Applications	1	9-06-2020
Introduction to multi criteria decision making approach	1	9-06-2020
RIGHT APPROACH TO STUDIES	1	10-06-2020
Recent developments in power sector	1	10-06-2020
RESEARCH INCITE ZONES IN MACHINE LEARNING	1	11-06-2020
RF DOMAIN USING ANSYS HFSS	1	12-06-2020
NAAC-The New format-A PARADIGM SHIFT	1	12-06-2020

Control and tracking of Bio-inspired multiple unmanned aerial vehicles	1	12-06-2020
Intellectual Property Rights : Innovations in Research	1	13-06-2020
Role of Middleware in Information Technology	1	13-06-2020
Insights on Data Science for Engineers	1	13-06-2020
Recent trends in Cyber crime	1	13-06-2020
A Real Time audio system design for commercial market	1	13-06-2020
Documentation for Data Verification & Validation (DVV) and Peer Team Visit (PTV) NAAC	1	15-06-2020
Introduction to Ansys Capabilities	2	18-06-2020
Artificial Intelligence and IR 4-0 future Jobs and career	1	20-06-2020
“AI APPLICATIONS IN ELECTRICAL POWER INDUSTRY”	1	23-06-2020
FDPTwo weeks FDP on LATEX in association with IITB-ST	1	17-4-20 to 5-5-20
Elearning Programme on Transformer	1	20-04-2020
Elearning Programme on Power system earthing	1	24-04-2020
Elearning Programme on Power system power cables	1	29-04-2020
Way to research in 5G communication and beyond	1	5-04-2020
Elearning Programme on fan and blower	1	10-05-2020
Faculty programme on MBA	1	13-05-2020
Opportunities for engineers and Expectations from Industry confirmation	1	16-05-2020
Solar power plant design, Installation and Maintenance	1	20-05-2020
Power system operations control with Matlab simulations	1	21-05-2020
The art of writing a scientific article and its nuances in high impact factor journals	1	25-05-2020
Automated E certificate for online webinar with google forms	1	26-05-2020
Outcome based Education	1	27-05-2020
Social Media Networking	1	28-05-2020
Opportunities for research with DRO,Ministry of defence	1	29-05-2020
Intelligent control systems	1	29-05-2020
Embrace Technology	1	1-06-2020
Global warming and its impacts	1	5-06-2020
How to patent our project work	1	6-06-2020
Research challenges in Solar PV-Systems	1	6-06-2020
IOT-Integration	1	12-06-2020
Todays challenge in Automobiles	1	15-06-2020
Art of Teaching	1	16-06-2020
The Future of learning in the pandemic world	2	22-05-2020
Research strategies and therapeutics	1	6-06-2020
Emotional connections with Employees	1	3-06-2020
softskills	1	7-06-2020
Branding the small brands	1	26-05-2020
Social media platforms in education system	1	14-06-2020
Risk management in times of crisis	1	31-05-2020
Digital challenges in intellectual property rights	1	3-05-2020
Atma Nirbhar Bharat	1	29-05-2020
Research Approach towards predictive analytics	1	20-06-2020
Yogic solution to physical and mental problem	1	29-05-2020
Emotional intelligence for achieving results	1	28-05-2020
“Role of NABARD in Entrepreneurship”	1	30-05-2020

Conserves and Council of Wildbirds”	1	17-06-2020
economics of health and health care	1	01-06-2019 to 09-2019
“Unleashing the Power of Webinar to Acquire Essential Skills”	1	01-06-2020 to 05-06-2020
financial modelling using Excel	1	12-06-2020
Research methodology	1	22-06-2020 to 28-06-2020
Applications of Data Analytics in Business	1	03-05-2020 to 05-05-2020
ONLINE PLATFORM FOR TEACHING AND RESEARCH”	1	20-06-2020 to 24-06-2020
Publishing of Papers in Scopus Indexed Journals	1	10-05-2020 to 13-05-2020
Reflections and Suggestions on using Technology in Indian Schools and Universities”,	2	20-06-2020
Customer Experience Management in Information Era	1	5-06-2020
Psychological impact on tribal elderly	1	8-05-2020
Evolution of sensor network	1	9-06-2020
Space apps challenge	1	11-06-2020
Digital Marketing as Career & Linkedin Career Job	1	12-06-2020 to 13-06-2020
HR as business partner In covid	1	13-06-2020
challenges in metal additive manufacturing	1	17-06-2020
Outcome Based Education	1	19-06-2020
“International Yoga day 2020 Celebration”	1	21-06-2020
Project Proposals for ICSSR IMPRESS: Preparation & Submission Protocol”	1	25-06-2020
You and Your Success	1	27-06-2020
RECENT TRENDS IN E-VEHICLE	1	4-05-2020
ISSUES AND IMPLICATIONS OF COVID-19 ON THE BANKING AND FINANCIAL SECTOR h	1	4-06-2020
Impacts of financial markets	1	11-06-2020
Unleash the true potential of communities	1	13-06-2020
outcome based education and online tools	6	9-06-2020 to 10-06-2020
understanding national education policy	2	20-05-2020
Patent Act, Drafting, Filing system and challenges in India” .	5	10-06-2020
How do you write a high impact paper	3	7-05-2020
Interdisciplinary Research Methodology, ICT Application & Innovations in Teaching Learning Process	2	12-06-2020
Natural products and development	1	31-06-2020
Paradigm Shift	4	12-06-2020
tools and techniques for management	1	10-06-2020
statistical analysis of quantitative data	2	03-06-2020 to 04-06-2020
Whole Brain Thinking and Learning	2	16-06-2020 to 18-06-2020
Business and Management	1	28-05-2020
covid quiz	2	10-6-2020
Outcome Based Education Road-Map to E-Learning & Accreditation	1	29-5-2020
NBA process	2	13-6-2020
Application of tools and techniques	1	7-6-2020
Advancement of material science	2	05-06-2020 to 06-06-2020
IOT with fire base	1	6-6-2020
Leading the Change: Post COVID 19 Response of India	1	30-6-2020
Research Methodology and ICT based Teaching and Learning Tools”	1	16-06-2020 to 20-06-2020
Whole Brain Thinking and Learning	1	18-6-2020

Marketing Management	1	15-06-2020 to 22-06-2020
Evidence based Public Policy	2	12-5-2020
Start up challenges In indian economy	1	24-6-2020
TEACHING TEACHERS : STYLE AND PROFESSIONALISM	3	10-6-2020
Regulatory guidelines for compliance to food hygiene and safety during COVID 19 pandemic"	1	30-6-2020
IOT introduction	1	6-5-2020
"Corona Pandemic and Indian Economy"	1	22-6-2020
Digital Technologies in Teaching & Learning"	1	6-5-2020
covid Awareness	1	10-06-2020
Busting the Myths of Project Report Writing	1	5-6-2020
Safety at Work Place	4	03-09-2019 to 04-09-2019
Basic life support	3	23-02-2020
NPTEL Course on Industrial Safety Engineering	2	12-07-2019 to 16-11- 2019
Workplace Fire Safety Induction	1	27-05-2021
Hazardous Substance Route to Entry	2	13-06-2020
Hazardous Substance Route to Entry	1	13-06-2020
COSHH Hazard Communication Awareness	2	13-06-2020
Health and Safety Induction	1	27-05-2020
Personal Protective Equipment Awareness Course	2	26-05-2020
The COSHH Risk assessor Certification	1	24-05-2020
Working at Height Safety Induction	1	25-05-2020
Electrical Safety Awareness	1	28-05-2020
Fundamentals of Welding Science and Technology	1	28.01.2020 to 31.03.2020
Course on COSHH and Respiratory Sensitizers Awareness	1	01 - 06 - 2020
Course on COSHH and Working in Confined Spaces	1	28 - 06 - 2020
Course on COSHH Awareness	1	01 - 06 - 2020
Course on Hazardous Substances Routes-to-Entry	1	28 - 06 - 2020
Course on Positive Intervention and Situational Awareness Induction	1	28 - 06 - 2020
Course on Slip, Trips and Falls Awareness Course	1	01 -06 - 2020
FDP – CFD Simulation of Thermal Management of Batteries and Power converters	1	28 - 05 -2020
FDP – ICT Teaching and Learning	2	01-06-2020 to 05 - 06 - 2020
FDP – Build your future in Machine Learning & Artificial Intelligence	1	23 -06 - 2020
FDP – Outcome Based Education Software	1	11- 06 - 20 20
FDP – ICT Tools for Technology Infused Learning, Module - 1	2	01- 06 -2020 to 06 - 06 -2020
FDP – ICT Tools for Technology Infused Learning, Module - 2	1	15 -06 - 2020 to 20 - 06 - 2020
FDP – Recent Advances in Mechanical Engineering	3	08 - 06 -2020 to 13 - 06 - 2020
FDP – Research Challenges in Mechanical Engineering	2	22 -06 - 2020 to 27 - 06 -2020
FDP – Water Resources Planning and Management	1	14 - 07 - 2020
FDP – Enhancing Educational Practices to Meet Industrial Challenges	1	03 - 07 - 2020 to 05 - 07 - 2020
FDP – Industrial Safety Concepts and Techniques	1	15- 07- 2020 to 19 -07 - 2020
FDP – Emerging Research Areas in Engineering	2	05 - 06 -2020 to 09 - 06 -2020
FDP – Materials for Thermal and Renewable Energy Research	1	20 -05 - 2020 to 24- 05 - 2020
Workshop on LaTeX	1	27- 07-2020 to 01 - 08 - 2020

Adventures of Particle Physicists	1	20 - 06 - 2020
Auto Power Drive	1	29 - 06 - 2020
Introduction to design of Experiments	1	27 - 05 -2020
Enhancing the Productivity in Design using KBE tools	1	27 - 05 -2020
Funding Projects, Consultancies and Book Writing	2	08 - 07 - 2020
Advancement in Automotive Safety - Airbags	1	22 - 05 -2020
Developing Digital Portfolio as Volunteer	1	12 - 06 - 2020
Documentation using Latex	1	26 - 06 - 2020
Solar Thermal Technologies	1	27 - 05 - 2020
Patent Filling Basics	1	21 - 05 - 2020
Preparing for Future	1	17 - 05 - 2020
Workshop on Overview of Automobile Passive Safety	1	12 - 07 - 2020
Workshop on Awareness on Industrial Safety during Covid-19	1	23 - 05 - 2020
Programming in C++ (NPTEL -FDP)	3	29-07-2019 to 20-09-2019
Introduction to Internet of Things (NPTEL-FDP)	1	29-07-2019 to 18-10-2019
Database Management System(NPTEL-FDP)	2	17-07-2019 to 25-09-2019
Cloud Computing and Programming(Workshop)	4	20-01-2020 to 21-01-2020
Cloud Computing Tools	1	3-6-2020
Quality Assurance & Sustenance in Higher Educational Institutions(Workshop)	2	21-02-2020 to 22-02-2020
Introduction to Natural Language Processing(Webinar)	8	13-05-2020
Workshop on positive self enhancement and coping with Lockdown stress	3	14-05-2020
Data Visualization with R Programming	5	15-05-2020
Opportunities for Engineers and Expectations from Industry	2	16-05-2020
Knowledge based innovative MSME schemes for Academic Institutions	8	16-05-2020
Building Support Vector Machine Learning Model	3	16-05-2020
Emerging Technologies that helps the organisations during and post COVID situations(Webinar)	1	17-05-2020
Emerging Areas in IT Industries and Career opportunities (FDP)	1	17-05-2020
M/C learning and AI in a brave new world(FDP)	1	20-05-2020
Outcome based Education – Need of the hour(Global Higher Education Summit)	2	20-05-2020
Characteristics of an Excellent Teacher in Todays context	2	21-05-2020
Building Web application using Java spring(FDP)	1	21-05-2020
Industry 4.0: Bridging the gap between Academics and Industry Expectations in Electronics and Communication	1	18-6-2020 to 21-6-2020
Wireless Sensor Networks and its Applications	1	21-05-2020
Apache Spark Fundamentals	1	30-4-2020
University Industry Linkage-Different Mechanisms	1	2-5-2020
Data Science	2	04-05-2020 to 08-05-2020
Internet of Things	9	4-5-2020
Building a Mobile App for Machine Learning Model	3	5-5-2020
Polynomial Regression using Python	3	7-5-2020
Trends in Software Testing	1	10-5-2020
Data Visualisation with R Programming	1	15-5-2020
Application of Space Technology in our day to day life	3	19-5-2020
Red hat Enterprise Linux, Virtualization and containers to start your journey towards cloud	2	22-5-2020

Deep Learning for Computer Vision	3	27-5-2020
Reprogramming your Mind	2	1-6-2020
Modern IOT technology Tools and Design for Real Time Applications	3	03-06-2020 to 09-06-2020
Mass Entrepreneurship	1	13-05-2020
DNA nanotechnology in COVID Diagnosis and Therapeutics (Webinar)	2	16-06-2020
Future Tech2020 (Webinar)	7	18-05-2020 to 22-05-2020
You 2.0 (Webinar)	2	18-05-2020
Emerging opportunities in Civil Engineering (Webinar)	2	20-05-2020
Characteristics of an Excellent Teacher in Today's Context (Webinar)	1	21-05-2020
Emerging technologies redefining automotive industries (Webinar)	1	21-05-2020
Tough times never last, but tough people do (Webinar)	2	23-05-2020
Start Where are You (Webinar)	1	26-05-2020
Future of Automotive technology (Webinar)	1	28-05-2020
Digital Knowledge (Webinar Series)	1	03-06-2020 to 07-06-2020
Recent Trends in Cybercrime (Webinar)	1	13-06-2020
Future of Engineering Education (Webinar)	1	20-06-2020
Microsoft Business Intelligence (FDP)	5	22-06-2020 to 24-06-2020
Latest Trends and Challenges in IT industry (FDP)	2	15-06-2020 to 20-06-2020
Science & Technology in India: Past, Present & Future (Webinar)	1	25-06-2020
Software Defined Radio (Webinar)	1	17-06-2020
Building Random Forest Model (webinar)	1	14-05-2020
Good Teacher Great Teacher (webinar)	1	14-05-2020
Augmented Reality and Virtual Reality	1	11-05-2020 to 15-05-2020
Microsoft Azure and its Services	1	27-05-2020
G2V and V2G Techniques in Electric Vehicles	1	16-06-2020
Theory of Computation	1	18-05-2020 to 22-05-2020
Online Learning Tools Post COVID-19	4	29-05-2020
Digital Twin-Next Generation Technology for Web Technology	2	2-6-2020
Devops and Cyber Security	5	10-06-2020 to 12-06-2020
Big Data Engineering (FDP)	2	01-06-2020 to 05-06-2020
Data Visualization (webinar)	4	8-6-2020
Cyber Security Landscape 2020 and Beyond (webinar)	4	9-6-2020
Introduction and Functioning of IOS & MacOS (Webinar)	1	22-05-2020
Internet of Things	2	30-04-2020 to 04-05-2020
QoS in Layer 2	1	01-05-2020
Microservice in Java gateway Tool	1	09-05-2020
Lean for Leaner days	1	11-05-2020
Understanding and Implementing Teaching Research Nexus	1	11-05-2020
Virtual classroom management using Microsoft Teams	1	11-05-2020
Skills acquired during transition	1	12-05-2020
Basic Router configuration using Cisco packet tracer	1	12-05-2020
Industrial applications of Artificial Intelligence	1	13-05-2020
Getting started with Endnote online referencing software	1	13-05-2020
How to fast track your operations in the time of social distancing	1	14-05-2020
Engineering-Real world application	1	15-05-2020
Opportunities of Engineers and Expectations from Industry	1	16-05-2020
Trends and Technologies on VLSI	1	17-05-2020

Covid-The Preventive protocol for Educational Institutions and beyond	1	21-05-2020
Orchestrating digital transformation journey	1	22-05-2020
Sustainable Eco system for University Industry Collaboration	1	22-05-2020
Future of Robotics and AI	1	23-05-2020
Global higher Education Scenario	1	23-05-2020
Introduction to Graphical programming using Lab view	1	25-05-2020
Start where you are	1	26-05-2020
Future of automotive technology	1	28-05-2020
Being a digital Entrepreneur	1	29-05-2020
Global opportunities in space exploration & research	1	29-05-2020
Post covid-19: Science and Technology	1	29-05-2020
Additive manufacturing & its applications	1	29-05-2020
Introduction to design thinking	1	29-05-2020
Transforming from a Student to a Professional - Expectation and Reality	1	01-06-2020
ASANAS AS PREVENTING TECHNIQUE : A SYSTEMATIC VIEW	1	03-06-2020
MSME Initiatives towards Digital India 2.0	1	04-06-2020
ARTIFICIAL INTELLIGENCE VISION TECHNOLOGY – MAKING MACHINES TO SEE!	1	05-06-2020
Insightful Fridays of Skycampus Digital Knowledge Webinar Series	1	05-06-2020
Pitfalls in Digital India 2.0 : A Challenge to the Digital Transformation	1	05-06-2020
Enabling Digital Payments in India	1	06-06-2020
E-PAYMENTS - A VIEW OF AUTHORISATION, CLEARING AND SETTLEMENT	1	06-06-2020
How Emerging Technology is Shaping the Future of Higher Education	1	07-06-2020
Digital Trends Reshaping the Media Industry	1	08-06-2020
High Performance Computers & Weather Modelling	1	09-06-2020
FUNDAMENTALS OF IT AUDIT	1	10-06-2020
Auto Components Industry in India : Capabilities & Opportunities for Industry 4.0	1	10-06-2020
Financial Planning for Beginners	1	10-06-2020
Facing the New Normal: Learning and Working Challenges for the Post COVID-19 World	1	12-06-2020
Life & Skills	1	13-06-2020
Emerging Opportunities in Industries	1	14-06-2020
Performance Measurement and Testing in Big Data Architecture and Cloud Infrastructure	1	18-06-2020 to 20-06-2020
Necessity of AYUSH in Present Scenario	1	15-06-2020 to 21-06-2020
Microsoft Business Intelligence	1	22-06-2020 to 24-06-2020
HOW TO IMPROVE TEACHING SKILLS	1	24-06-2020
Role of Machine learning in COVID-19	1	29-06-2020
Technical Talk on Building Competency Converting Threats to Opportunities	1	24-04-2020
Introduction and Implementation of IoT using Limited Resources- Hands on Training	1	13-5-2020

FDP on Effective Online Teaching Methodologies	1	18-05.2020 to 22-05-2020
Emerging Trends in Mathematics and its applications	9	30-10-2019-31-10-2019
Intellectual Property Rights	2	05-12-2019 and 06-12-2019
Analysis and Graph Theory	1	14-10-2019
Research Avenues in Graph Theory	1	26-08-2019
Recent Trends in Algebra and Topology	1	27-01-2020
Distance in Graphs	8	03-06-2020 & 04-06-2020
"Insights Into Research"	8	4-6-2020
Handmade Face Mask Making	3	5-6-2020
"Some Visual Mathematics"	8	5-6-2020
"Graph Theory and its Applications"	5	5-6-2020
Body and Mind	2	8-6-2020
"Energy Efficiency Towards Sustainable Development Goals"	1	17-06-2020
"Theory of Graphs - An Emerging Field of Research"	2	20-06-2020
Mathematical Modelling of infectious diseases: application to COVID 19,	1	27-05-2020
Yoga for Healthy Life	1	30-06-2020
Key Issues In Research Methodology	9	5-6-2020
Gender Bias and Stereotyping, Gender Equality and Women right	2	04-06-2020
Metacognitive Strategies : Constructive Teaching Learning Environment Involving Constructivism	6	17 -06-2020 to 19-06-2020
Moodle Learning Management System	1	27-06-2020 to 29-06-2020
Advances in Mathematics	2	17-06-2020 to 19-06-2020
Learning LaTeX	1	17-06-2020 to 19-06-2020
Math Workshop	1	19-05-2020
Pure and Applied Mathematics	4	23-06-2020 to 24-06-2020
Research Methods and Writing Skills in Mathematics	1	25-05-2020 to 27-05-2020
Fuzzy clustering Techniques and its Applications	3	27-06-2020 to 29-06-2020
A Glimpse on MATLAB	3	27-05-2020
Vertex Steiner Number of a Graph	2	30-06-2020
Recent research topics in Graph Theory	1	20-05-2020 to 21-05-2020
Introduction to Graphs from Algebraic Structures	3	22-05-2020
Current Research in Fuzzy Mathematics	1	24-05-2020
Graph Theory- A research View	1	26-05-2020
Recent Advances in Graph Theory	1	29-05-2020 to 30-05-2020
Patent Searching, Drafting and Filing	1	29-05-2020 to 02-06-2020
Free Statistical Tool for Research Data Analysis	3	01-06-2020 to 02-06-2020
Kanakum kathai Pesuthae	2	1-6-2020
Mathematical Sciences	5	2-6-2020
Key Issues In Research Methodology	5	3-6-2020
Graph Networks and its Applications	1	04-06-2020 to 05-05-2020
Spoken Tutorial Free open Source Software	1	04-05-2020 to 10-05-2020
Decision making with the application of Data mining	1	5-5-2020
Graph Theory and its applications	5	5-6-2020
Math and Neural Networks	1	6-6-2020
Recent trends in Graph Theory	1	12-6-2020
Fuzzy Logic and its Applications	1	12-6-2020
What does spectral theorem really says	1	13-06-2020
The webinar on "Qualitative Analysis of Differential Equations and its Applications"	1	21-05-2020

Webinar – Post Covid -19 Science and Technology	1	29-05-2020
Webinar on “Connections in Engineering Mathematics”	1	30-05-2020
Descriptive Statistics through R-programming	1	26-05-2020 to 28-05-2020
Fluid Dynamics and its applications	1	28-05-2020 to 29-05-2020
Application Of Differential Equations	1	4-6-2020
A tribute to Euler's spoiler	1	23-05-2020
Webinar on Mathematical Modelling of Infectious Diseases Application to COVID-19	1	27-05-2020
Know your English	1	8-6-2020
Technology Enabled Teaching and Remote Learning	1	30-05-2020
A Glimpse of Probabilistic Data Structures	1	7-6-2020
Applications of Mathematics in Mechanical Engineering	1	11-06-2020 to 12-06-2020
Emerging Trends in Graph Theory	1	14-06-2020 to 16-06-2020
Fractional System with Rossenbalt Process	1	27-06-2020
ICT based teaching Learning Process	1	1-06-2020 to 05-06-2020
Synergia to Revitalize, Reform and Refresh Ourselves as Agents to Ensure Quality Education	1	01-06-2020 to 07-06-2020
E-Governance during Pandemic: Transformation in Higher education	2	24-06-2020
Fuzzy Clustering Techniques and its applications	1	27-06-2020 to 29-06-2020
Research Strategies and Promotion of Teaching-Learning Process	1	23-06-2020 to 28-06-2020
Python 3.4.3 and Python DJANGO	1	8-6-2020
Total Labeling in Graphs	1	8-6-2020
CSIR NET ASPIRANTS	2	7-6-2020
An introduction to domination in Graph theory	2	6-6-2020
Online Teaching and learning Process with ICL Tools for Education 4.0	2	8-06-2020 to 12-06-2020
Dealing with Differential Equations and PDEs	2	8-6-2020
Plan Your Research Effectively Using Scopus & Science Direct From Elsevier	1	13-06-2020
Application of graphs and Design and discrete calculus	1	29-05-2020
Key uses on Research Methodology	1	3-6-2020
Mathematical Modals on Bio medical applications	1	3-6-2020
Math Mania	1	12-6-2020
Statistics For Data Analysis	1	22-06-2020 to 23-06-2020
Elighening Young Mathematican on Teaching and Research	1	23-06-2020
FUZY Systems and Graph theory	1	23-06-2020 to 24-06-2020
International Web Conference on “Pure and applied Mathematics”	1	25-06-2020
Fractional system with Rossenblatt Prosses and Poison Jumps- Optimal conrollability	1	29-06-2020
Introduction to Maple 2020	1	30-06-2020
Introduction to Graphs from Algebraic Structures	1	22-05-2020
Graph Theorey and its Application	1	05-06-2020
Civil Services Examination: Preparation Strategies	1	22 -6-2020 to 24 -6-2020
Hybrid energy and renewable energy	1	7-8-2019
Advance research in material science	1	10-8-2019
Advanced Engineering Materials for strategic societal Sectors – Current Perspectives	5	10-06-2020 to 15-06-2020
contemporary development in manufacturing process, sustainalbe manufacturing and industrial technology	1	09-06-2020 to 13-06-2020

Manufacturing Engineering by Vimal jothi	1	25-05-2020 to 30-05-2020
ICT Tools for technology Infused learning	1	01-06-2020 to 06-06-2020
Emerging trends in mechanical engineering	1	02-06-2020 to 06-06-2020
Furture automative industry and challenges	1	27-05-2020
NPTEL Workshop	1	19 -7-2019
Seminar on Opportunities For Funding For Science Teachers	2	22-7-2019
AICTE sponsored Short Term Course Two-dimensional Materials: Physics and Applications	1	21-09-2019 to 26-09-2019
NAAC accreditation Management system	1	17-4-2020
How to write an abstract and improve your article	1	24-4-2020
How to prepare your manuscript Structuring your article correctly	1	24-4-2020
Successful research grant applications – getting it right	1	28-4-2020
An editor’s guide to writing a review article	1	5-5-2020
Crystallography and its applications	4	8-5-2020
“Remote Sensing application for Earth and Atmospheric Monitoring	2	11-05-2020 to 13-05-2020
How to conquer your design and test challenges with the 5C’s of IoT	1	15-5-2020
FDP on Teaching and Research in Higher Education	5	19-5-2020
Online workshop on IEEE Reference Management Tool for Research Articles and Thesis Writing	7	20-5-2020
Faculty Development Programme on The use of Virtual Physics Labs- Creating Next Generation Teachers	2	20-05-2020 to 24-05-2020
Br and Communication Certificate ID: BMI95G-CE000012	1	29-5-2020
Smart Materials Sensor and Energy devices (SMSED-2020)	1	25-05-2020 to 30-05-2020
International Webinar on Recent Advances in Materials Science & Nanotechnology	1	04-06-2020 to 06-06-2020
International Webinar on Recent Trends in Physics	1	12-06-2020
Virtual Symposium on Multifunctional Materials	2	17-06-2020
Nanomaterials for Solar and Biological Applications	1	18-06-2020
Successfully completed “The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop”	1	20-06-2020
Science Academies-Science Leadership Workshop	1	22-06-2020 to 28-06-2020
Learning Physics Through Simple Experiments	1	02-04-2020 to 10-06-2020
Online – teaching learning and online Assessment Demo	1	24-04-2020
Understanding Thermodynamics for Science and Engineering	1	28-04-2020
Physics - Motion, Speed and Time	1	29-04-2020
Advanced Course on Special theory of Relativity	1	26-01-2020 to 19-05-2020
Faculty Development Program on "Remarkable Structural, Magnetic and Microwave Adsorption Properties of Rare Earth-Doped Mn-Cu Ferrites. & In-situ characterization of Materials at Elevated Temperatures"	4	4-04-2020
Introduction to Human Nutrition	1	6-04-2020
Fundamentals of Semiconductors	1	7-04-2020
Physics – Gravity	1	7-04-2020
Introduction to Environmental Sustainability	1	8-04-2020
Crystallography and its Applications’	1	8-04-2020
Introduction to Food and Health	1	10-04-2020

Physics Normal and Contact Forces	1	10-04-2020
Webinar – Teaching learning tool for digital era	2	11-05-2020 to 16-05-2020
Online course on - Evolution of Solar Photovoltaic Technologies	1	14-04-2020
Super Session on Good Teacher to Great Teacher	1	14-04-2020
Functional Novel Materials For Electrochemical Sensors And Energy Storage Devices	2	15-04-2020
Modern Teaching Techniques”	1	17-04-2020
Gamified Strategies In The Classroom	1	18-04-2020
Analysis of Solar Photovoltaic Devices	1	20-04-2020
Micro, Nano and Atomic Scale Approaches in Electronic Applications	1	21-05-2020
Energy, energy everywhere, how to harness it?”	1	21-05-2020
International Webinar on Materials for Energy, Environmental and Healthcare Applications"	1	21-05-2020 to 22-05-2020
RECENT ADVANCES OF NANOTECHNOLOGY IN CHEMICAL & BIOMEDICAL FIELDS	3	23-05-2020
Could virtual education become new normal	1	24-05-2020
FDP on "Statistical Mechanics	4	25-05-2020 to 29-05-2020
Biopolymer: Renewable Resources for Human Utilization	1	27-05-2020
Innovation and upgradation in infrastructural technology	1	27-05-2020 to 02-06-2020
NAAC Accreditation Management System for Health Sciences Institutions	1	28-05-2020
Recent Advances in Crystal Technology	2	28-05-2020
Webinar on "Physics Webinar Series	3	26-05-2020 to 28-05-2020
Webinar on Advanced Materials: Webinar Series – II”	2	28-05-2020 to 30-05-2020
GLOBAL NANOTECH FOR FUTURE ADVANCEMENTS	1	29-05-2020
Figment of Imagination in Physics Via Simulations”	1	29-05-2020 to 30-05-2020
Artificial intelligence and machine learning	1	30-05-2020
Webinar On “Recent Advancements in Bio & Nanomaterials	3	30-05-2020
International Virtual Lecture Workshop on Bio-Nano Interface for COVID-19	1	31-05-2020
Virtual Conference titled Education in the 21st Century: Adapting to a Changing World,	2	01-06-2020 to 02-06-2020
National webinar series on knowledge generation in education during COVID 19 pandemic – qualitative research	3	01-06-2020 to 06-06-2020
Webinar On Piezoelectric Based Energy Harvesting Techniques.	1	3-06-2020
Two Days International Webinar on NANOSCIENCE 2020	2	03-06-2020 to 04-06-2020
Three days Online Faculty Development Program on "Recent Trends and Challenges in Advanced Physics	2	04-06-2020 to 06-06-2020
Spectroscopy and its Perspectives	1	5-06-2020
National Level Webinar on Biodiesel from Marine Algae	3	5-06-2020
5day National level online course on chemistry in our day to day life	2	04-06-2020 to 08-06-2020
Emerging Trends in Material Science & its Application for	1	06-06-2020 to 07-06-2020

Sustainable Development		
webinar on Science of Focus & Self inquiry	1	7-06-2020
Nanomaterials for Smart and Sustainable Energy Solutions”	1	8-06-2020
Analytical techniques for determination of elemental constituents	1	08-06-2020 to 09-06-2020
7 day FDP on Benchmarking of Best practice	2	08-06-2020 to 13-06-2020
1 st Indo-Japan Webinar Series on “Geotechnics for Disaster Mitigation”	3	08-06-2020 to 13-06-2020
Two days National Webinar on “A Need of Transition in Teaching and Learning During and After COVID-19”	1	09-06-2020 to 10-06-2020
NATIONAL VIRTUAL SEMINAR IMPORTANCE OF TECHNOLOGY IN CURRENT GLOBAL SCENARIO	1	11-06-2020
Tips on effective way of scientific literature search	1	11-06-2020
webinar on A Journey towards Wave Mechanics, an online event	1	12-06-2020
“5 Day National Level Online Faculty Development Program on Moodle Learning Management System”	1	08-06-2020 to 12-06-2020
ART OF WRITING RESEARCH ARTICLES IN SCOPUS INDEX JOURNAL	4	12-06-2020
Webinar on “Essentials of Nanotechnology and Nanoelectronics	1	13-06-2020
“Emerging Applications of ICT Tools in Higher Education”,	1	11-06-2020 to 13-06-2020
International e-Conference on Advanced Functional Materials and Optoelectronic Devices (ICAFMOD-2020)	1	13-06-2020 to 15-06-2020
Two-Day International Webinar on “RECENT TRENDS IN NANOMATERIALS & NANOBIMATERIALS (RTNN)”	1	14-06-2020 to 15-06-2020
National Level Five Day faculty development program on “Scilab””	2	15-06-2020 to 19-06-2020
One week FDP on Advanced materials Research: An International Webinar Series:	1	15-06-2020 to 19-06-2020
International webinar on nanomaterials and robotics	1	16-06-2020
Virtual Symposium on Multifunctional Materials”	1	17-06-2020
NATIONAL WEBINAR ON "ADVANCES IN CRYSTAL GROWTH AND NANO MATERIALS	2	18-06-2020
National online seminar on Applied materials and their applications	1	19-06-2020
Webinar on “Exploring Online Education: e- Teaching and e- Learning”	1	19-06-2020
International yoga awareness FDP	1	21-06-2020
1 day National E workshop on E content Development for teaching and learning	1	21-06-2020
“INTRODUCTION TO THERMODYNAMICS”	1	22-06-2020
1 week FDP on Advancement in Science and its Application in Engineering	1	22-06-2020 to 26-06-2020
Development of virtual classroom for online teaching	1	23-06-2020
Webinar on becoming the best version of yourself	1	23-06-2020
"Innovations in Advanced Materials Processing and Manufacturing (IAMPM-2020)"	1	24-06-2020
Material Science in the topic of development of single crystal for frequency conversion application	1	24-06-2020

National Conference on 'Recent Trends in Pharmaceutical Chemistry and Drug Delivery'-2020	1	25-06-2020
International E-Conference on "Recent Advances in Physics: A Promise to Society" (IC-RAPPS) 2020.	1	24-06-2020 to 25-06-2020
Webinar of material Science in the topic of modern engineering materials	1	25-06-2020
National webinar on Breakthrough of E content and Digital resources in pandemic COVID 19	1	25-06-2020 to 27-06-2020
Online International FDP "E-governance Culture: Transformation in Higher Education Stakeholders UX "	1	26-06-2020
3 Days National Workshop on Remote Learning Technology for Higher Education	1	26-06-2020 to 28-06-2020
One Day National EConference On "Recent Trends in Chemistry"	1	27-06-2020
Webinar on New Age Tools for Teaching Online" Webinar Series	1	28-06-2020 to 30-06-2020
webinar on "3 Magical Elements to Transform Your Life: A Road- Map to Success	1	29-06-2020
Faculty Enrichment Live Webinar- Addressing Core Issues in Teaching	1	30-06-2020
Webinar on the theme Leading in a VUCA World	1	20-04-2020 to 24-04-2020
Webinar on Prior Arts Search and Patent filing	1	23-04-2020
Webinar on "All about Patent and Intellectual Property"	1	26-04-2020
The Future Is Here Now Opening Key Note Sessions	1	27-04-2020
Webinar on Career Dreams and Entrepreneurship	1	01-05-2020
Power seminar webinar on the theme The Power of You	1	11-05-2020
Participated in INDIAN SUMMER SCHOOL ON CRYSTAL GROWTH (ISSCG-2020)	1	14-05-2020 to 23-05-2020
Webinar on Recent Advances on Technology in Chemical and Biomedical Field	2	23-05-2020
Webinar on Teacher and Technology	1	26-05-2020
Webinar on Preparing Competitive Research Proposals for Funding	1	28-05-2020
online lectures in Solid State Physics-Series 1: 'Electrons in Solids'	1	26-05-2020 to 30-05-2020
Webinar Graphene based Nanocomposites for Energy Storage	1	01-06-2020
Webinar on Contemporary Challenges and issues in intellectual property rights in academia and industrial under COVID-19	1	6-6-2020
One day Webinar on "Priority of Incubation Centers in Higher Education Institutions"	1	9-6-2020
Webinar on EDII-TN Activities and its benefits to spoke colleges	1	17-6-2020
Basic Author Workshop research article writing and reference management using mandely	1	22-6-2020
LaTeX Workshop 2020	1	11-05-2020 to 15-05-2020
2 days National level FDP Programme	1	13-05-2020 to 14-05-2020
2nd International Workshop on, "Biomedical Application in Translational Research (BATR-2020)"	1	18-05-2020 to 19-05-2020
RGU Speaker series	1	26-05-2020
National Level Webinar on Gravitational Waves and Nanoscience	2	27-05-2020
Online Webminar on " Semiconductor Device & its Application"	2	10-6-2020

One Day National Webinar on “Role of Science & Technology during COVID-19 Pandemic”	1	12-6-2020
National Webinar on Importance of Precise Measurements in Science & Technology and Advances in Material Science	1	15-6-2020
International Virtual Seminar on Materials and their Applications.	1	18-06-2020 to 19-06-2020
International Webinar Lecture Series on Energy Physics.	1	23-6-2020
National Webinar on ‘Radiation Physics’	1	23-6-2020
Journey towards Rebuilding Business in the Post Covid-19 Scenario	2	25-6-2020
International webinar on Recent Advances in Material Science and Technology	2	26-6-2020
Five day online FDP on “ Opportunities and Challenges in Next-Generation Semiconductor Devices	3	16-06-2020 to 20-06-2020
National level Virtual FDP on Nanotechnology	1	29-06-2020 to 03-07-2020
FDP on Online College Management and Online Content Creation Tools	2	30-04-2020 to 02-05-2020
FDP on Research Funding Projects and IPR	1	07-05-2020 to 10-05-2020
Webinar on Shock waves- A potential Tool for Tailoring Material’s Property.	1	25-5-2020
A Travel for Scientific Indian Minds	1	21-05-2020 to 29-05-2020
Webinar on Introduction of Data Science , Data Modelling and Analysis of COVID 19 Data.	1	23-5-2020
webinar on “A Hand on Approach for developing e-Content”	1	24-5-2020
Research Ethics and Methodology	2	1-6-2020
National Webinar on Recent Trends in Materials Science and Training on Related Software tools’	1	01-06-2020 to 03-06-2020
Online Course On Research Methodology	1	03-06-2020 to 09-06-2020
FDP on Energy Conservation and Renewable Energy	1	08-06-2020 to 12-06-2020
Faculty Awareness Program on Online Teaching Pedagogy in Higher Education	3	11-06-2020 to 14-06-2020
Two week online Capacity Building Programme for Faculty members and Research Scholars	1	12-06-2020 to 23-06-2020
CO-PO Attainment Computation and Outcomes Analysis.	1	19-6-2020
Powder X-Ray Diffraction Patterns Analysis using Openwares.	1	22-6-2020
International E-Conference on Recent Advances in Physics : A Promise to Society.	1	24-06-2020 to 26-06-2020
FDP on Nanotechnology	1	29-06-2020 to 03-07-2020
Webinar on Fostering Social Responsibility and Community Engagement in HEI,UGC quality Initiative and a Global Call	1	2-5-2020
Webinar on Nomenclatural code and its Relevance to Fungi	1	4-5-2020
Knowledge Generation	1	12-05-2020 to 16-05-2020
Cloud Virtual Education System become new normal	1	24-5-2020
Restructuring Education Sector For Stronger Industrial Interface	1	29-5-2020
Creative Writing Of Research Proposals & Articles	1	4-6-2020
Low Carbon Building Materials And Techniques To Optimise Carbon Emission	1	5-6-2020
Role of technology in the Era of Covid-19 for education	1	07-06-2020 to 08-06-2020
FDP on Research Methodology, Tools And Techniques	1	08-06-2020 to 12-06-2020
How to create course and course activities in Open source Online Learning	1	14-6-2020

Yoga in our daily life	1	21-6-2020
Cloud Computing (NPTEL)	1	01-08-2019 to 30-10-2019
Recent Trends in Color Image Processing	1	11-05-2020
Machine Learning Algorithms	3	13-05-2020
Artificial Intelligence and its Applications	2	13-05-2020
Research Methodology- Review of Literature	1	14-05-2020
Doom in Palm- Hidden Threats of Mobile Usage	4	15-05-2020
The Role of VR & AR in industry 4.0	3	15-05-2020
Basics of Data Analytics	3	16-05-2020
Outcome Based Education and NBA Accreditation.	1	12-05-2020 to 17-05-2020
Cyber Security	2	20-05-2020
Robots in Covid-19 & Robotics and It's Future	1	21-05-2020
Applications of Data Analytics in Data Science	1	21-05-2020 & 22-05-2020
Future Green and Clean Communication using Li-Fi	1	22-05-2020
Recent Trends in Cryptography	2	23-05-2020
Auto & EV sector in Post COVID-19 world	1	23-05-2020
Data Warehousing using Azure Platform	1	23-05-2020
Cloud Virtual Education System Become New Normal	1	24-05-2020
Big Data in Cloud	1	25-05-2020
Cloud Security	1	25-05-2020
Digital Revolution in Post Pandemic world	1	26-05-2020
Recent Research Trends in Data Science	1	28-05-2020
Python 3.4.3	1	20-05-2020 to 29-05-2020
Social Justice and Empowerment	3	05-06-2020
Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials	1	13-06-2020 to 01-07-2020
R Programming Language	2	28-05-2020 to 30-05-2020
Recent Trends in Digital World	1	04-06-2020, 06-06-2020, 07-06-2020
Moodle learning and management system	2	02-06-2020 to 06-06-2020
The future of skills- Education, Employment and Entrepreneurship	9	11-05-2020 to 15-05-2020
Challenges in higher education during post covid-19	1	18-05-2020 to 23-05-2020
Data warehousing using Azure platform	1	23-05-2020
Recent trends in cryptography	1	23-05-2020
Cloud Virtual Education System become new normal	1	24-05-2020
Big data in Cloud	1	25-05-2020
Change is the essence of Life	1	5-25-2020
Digital Revolution in post pandemic world	1	5-26-2020
Design Concepts	1	6-6-2020
Recent Trends in Digital World	1	04-06-2020, 06-06-2020, 07-06-2020
Micro services and API Strategy – A Perspective Approach	1	6 -10- 2020
Materials Engineering and Technology	1	22- 6- 2020 & 23-06-2020
Mobile App Development (Android)	6	5-16-2020
Recent Trends In Industry Requirements	2	26-05-2020

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime

16	0	1	0
6.3.5 Welfare schemes for			
Teaching	The staff welfare schemes provided to the staff (teaching and nonteaching) through NISWA (Noorul Islam Centre for Higher Education Staff Welfare Association) are as follows: 1. Monetary gifts to the members for the wedding of their son or daughter. 2. Monetary gifts to the members for their New House Warming Ceremony. 3. Common gifts are given to the members once in a year. 4. A feast to all the members is arranged on the NISWA (Annual) Day and the members are given prizes through lucky draw on the same day. 5. Annual family tour and a get-together are arranged for the entertainment of members. 6. An amount is provided to place wreath when the parent of a member passes away. 7. In case of a death of member in service whose membership with the association is 15 years or more, a solatium of one month subscription and half a day salary of all the members are given to the spouse or the next kin of the deceased member. 8. Monetary gift is given to the members on the occasion of their daughter attaining puberty. 9. Cash prize is given to the members in the event of their son or daughter getting top marks in SSLC or HSC Public Examinations as below. • First Prize to the topper in HSC Public Examinations – Rs. 2500/- • Second Prize to the topper in HSC Public Examinations – Rs. 1500/- • First Prize to the topper in SSLC Public Examinations – Rs. 1500/- • Second Prize to the topper in SSLC Public Examinations – Rs. 1000/-		
Non teaching			
Students			
6.4 Financial Management and Resource Mobilization			
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each) Yes External Statutory Audit is regularly conducted. M/s. Frank&co, Chartered Accountants – Nagercoil are our External Statutory Auditors. Internal Audit is conducted by our designated staffs then and there on regular basis.			
6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)			
Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.		Purpose
Noorul Islam Centre for Higher Education, Kumaracoil	8,26,15,333.00		-
6.4.3 Total corpus fund generated 8,26,15,333.00			
6.5 Internal Quality Assurance System			

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	Director IQAC
Administrative	No	Nil	Yes	Director IQAC
6.5.2 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)				
Nil				
6.5.3 Activities and support from the Parent – Teacher Association (at least three)				
1. Parent -teacher meeting were conducted to discuss the progress of the students				
2. Suggestions regarding academic and administrative reforms are heartily welcomed and implemented				
3. Parents are always extent their supportive hands				
6.5.4 Development programmes for support staff (at least three)				
1.To retain, raise and encourage the supputing staffs, programmes were conducted				
2. Soft skills programmes				
3.Computer training programmes				
6.5.5 Post Accreditation initiative(s) (mention at least three)				
1. The institute motivate all faculties, scholars and students to apply for various research projects.				
2. The institute encourage all faculites to develop E-Content.				
3. Research ambience and enrichment is provided to all research scholars. Faculty, Research Scholar and Post graduate students were encouraged to file patenting their research findings.				
4. Faculty and Students were encouraged to take up online courses - SWAYAM MOOC courses such as NPTEL courses				
6.5.6				
a. Submission of Data for AISHE portal : (Yes)				
b. Participation in NIRF : (Yes)				
c. ISO Certification : (No)				
d. NBA or any other quality audit : (No)				
6.5.7 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
2020	Faculty development programme	25-1-2020	25-1-2020	36

CRITERIONVII –INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period(from-to)	Participants	
		Female	Male
Awareness program on the Kavalan app	12-12-2019	50	200
Women's Day	08-03-2020	10	10

Online competition, Competition I: Selfie/Photograph/Poster Contest Competition II: Slogan Writing		30-04-2020	100	54		
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Nil						
Percentage of power requirement of the University met by the renewable energy sources						
-						
7.1.3 Differently abled (Divyangjan) friendliness						
Items Facilities		Yes/No	No. of Beneficiaries			
Physical facilities		No				
Provision for lift		No				
Ramp/ Rails		No				
Braille Software/facilities		No				
Rest Rooms		No				
Scribes for examination		No				
Special skill development for differently abled students		No				
Any other similar facility		No				
7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2019	1	1	03-08-2019	Sapling Plantation	Green India Scheme by Green Movement of Noorul Islam Centre for Higher Education and the Chinmaya Mission of Kumaracoil Branch	50
2020	1	1	18-05-2020	COVID 19 Relief	Relief fund for NICHE family during Pandemic period.	100
2019	1	1	27-08-2019	Free Eye Camp	World Sight Day	300

7.1.5 Human Values and Professional Ethics		
Code of conduct (handbooks) for various stakeholders		
Title	Date of Publication	Follow up (maximum 100 words each)
Student Hand Book 2019-2020	04-07-2019	Students should be punctual to the classes on all the working day Monday to Friday. Mobile use is strictly prohibited in library. Study hours should be strictly followed from 8.30 p.m. to 10.30 p.m. in hostel. Students should wear their lab coats and shoes on all days when they have practices.
7.1.6 Activities conducted for promotion of universal Values and Ethics		
Activity	Duration (from-----to-----)	Number of participants
Fire Safety Demo	23-07-2019 to 27-07-2019	30
Training Program Safety at Work Place	03-09-2019 to 04-09-2019	41
Road Safety Awareness Camp	24-01-2020	70
Basic Life Support Training	25-02-2020	54
Cancer Awareness Programme	22-09-2019	50
International Day of Non-Violence	02-10-2019	50
Science Day Celebration	06-03-2020	27
Workshop on Crime Sense Investigation AFTERMATH 2K19' 05-09-2019	05-09-2019	72
National Unity Day	30-10-2019	50
Awareness and prevention Program on AIDS	27-09-2019	145
National Army Day	15-01-2020	100
The International Day of Light Quiz	16-05-2020	4967
International Day of Yoga Online Quiz	21-06-2020	2177
Audiology Camp	19-08-2019	25
Awareness Program on World AIDS Day	02-12-2019	20
Audiology Camp	28-08-2019	25
Audiology Camp	30-09-2019	25
General Medical Camp	02-10-2019	6
General Medical Camp	12-10-2019	25
Hearing and Screening Camp	23-10-2019	25
Hearing and Screening Camp	29-10-2019	11
Hearing and Screening Camp	29-11-2019	25
Importance of hearing	02-03-2020	50
Awareness Program on Hand Washing	04-12-2019	20
7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)		
Number of trees have been planted		
Plastic free environment		
Greeny campus		
Clean campus		

7.2 Best Practices

Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.niuniv.com/IQAC/2019/BestPractices.pdf>

Best Practice I

Title : Research Colloquium

Objectives of the Practice :

It is useful for research scholars and also the teaching staff to improve their research skills.

They can get innovative ideas regarding new topics in science and technology.

They are getting a good opportunity to improve our talent and also presenting skills.

It is highly a motivating factor to publish papers in highly reputed journals.

The Context:

To share their research knowledge and skills.

The Practice:

Each and every department is conducting research colloquium once in a month.

Evidence of Success:

By this forum, the presenter and the listener both are benefitted by clarifying their doubts and getting ideas from various areas. Also the PG students are getting a chance to do their research in innovative areas.

Best Practice II

Title: Fees Concession

Objectives of the Practice:

It is useful for the students from poor family getting education and be placed in institutions or companies with high reputation.

The Context:

To provide opportunities for financially poor students to avail quality education.

The Practice:

Every year during the time of admission candidates are selected on the basis of their financial status, meritorious status and also give preference to the cancer patients and also students coming from NI Arts College and also the UG students who completed their course from NICHE.

Evidence of Success:

If the student is meritorious and also from poor family then the student is doubly benefited and getting an opportunity to complete the course successfully. Due to this fees concession, students can avail quality education.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
Provide the weblink of the institution in not more than 500 words

<http://www.niuniv.com/IQAC/2019/Distinctiveness.pdf>

Vice Chancellors Conference

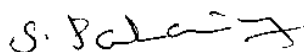
Vice chancellors meet was conducted on 06-01-2020 and 07-01-2020 in our campus. The aim of the conference was to Reimagine Indian Universities and to discuss the condition of the past engineers and the present engineers. Around 50 vice chancellors were participated in the meet. Dr. Kiran Bedi spoke about success and its ingredients like patience, intelligence, knowledge and experience. She concluded the speech by giving a brief description on good teachers and great teachers. Dr. Panakaj Mittal, the secretary general of AIU urged the Vice- Chancellors of various universities to follow the official twitter account of AIU and be updated. Prof Anil D. Sahasrabudhe spoke about the support system which is needed from the government to extend the research in universities. Prof Manikrao M. Salunkhe praised the south zone of India for promoting education through establishing autonomous universities, which offers high quality research.

8. Future Plans of action for next academic year (500 words)

Future Plan:

1. Steps to be taken to conduct online courses for the ensuing years 2020-2021.
2. Steps to develop E-content for students.
3. To make an in-depth study of the proposals of AICTE and UGC for Examination reforms and take immediate steps to implement them from the next academic year 2019-2020 onwards.
4. To construct a new E-Content Development Studio.
5. Proposal Sent to start new programmes such as Artificial Intelligence and Data Science etc.
6. Step to make the campus eco-friendly and Green campus.

Name Dr.S.Palanikumar



Signature of the Coordinator, IQAC

Name Dr.R.Mathu Soothana S. Kumar



Signature of the Chairperson, IQAC

Dr. R. Mathu Soothana S. Kumar,
Director, IQAC,
Noorul Islam Centre for Higher Education,
Kumaracoll. Thuckalay - 620 180.

Annexure I

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence

For Communication with NAAC

The Director

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