

Noorul Islam Centre For Higher Education

(Deemed University u/s 3 of UGC Act 1956)

Accredited by NAAC with 'A' Grade



The Annual Quality Assurance Report

2016-2017

Noorul Islam Centre for Higher Education

Deemed university U/S 3 of UGC Act, 1956

Kumaracoil, Thuckalay, Kanyakumari District, Pin 629180



The Annual Quality Assurance Report

**AQAR Report
2016 - 2017**

Preamble

The Noorul Islam College of Engineering, well known for its academic achievements and discipline, has more than 27 years of standing in the field of Higher Technical Education. The Noorul Islam College of Engineering has now been declared as a Deemed-to-be-University by the Ministry of Human Resource and Development, Govt. of India vide notification No F.9-51/2004- U.3 dated 8th December 2008. The University is now being run by the Noorul Islam Centre for Higher Education (NICHE) Society.

The campus is situated in the serene and picturesque slope of the Veli Hills. The location is, indeed, fantastic. The sylvan setting with the serene and tranquil atmosphere makes the entire campus fascinating and extremely beautiful. It is just 1.5 km interior towards the foothills of the mountains from the Kumaracoil junction on the Kanyakumari-Thiruvananthapuram National Highway (NH-47).

New hectic efforts followed the formation of the University to create the appropriate ambience and required structure for the new born university. A suitable and appropriate constitution was framed envisioning multidimensional growth of the University. Due consideration was also given to the practicability and suitability of the methods by which the objectives could be fulfilled within a stipulated time frame.

The Noorul Islam University has achieved phenomenal growth and remarkable progress owing to the excellent leadership and dynamic personality of its visionary President, Dr. A.P. Majeed Khan and the dedicated faculty, staff, scientists, scholars and students with their sense of commitment and a vigorous administrative set up. NICHE has been accredited with 'A' grade by "National Accreditation and Assessment Council" (NAAC). The institution will reach greater heights of glory in the years to come.

Part – A

1. Details of the Institution

Name of the Institution	Noorul Islam Centre for Higher Education
City/Town	Kumaracoil, Thuckalay
State	Tamilnadu
Pin Code	629180
Institution e-mail address	info@niuniv.com
Contact Nos.	04651-250566
Name of the Head of the Institution	Dr. R. Perumalsamy
Tel. No. with STD Code:	04651-250467
Mobile:	09444022063
Name of the IQAC Co-ordinator	Dr. A. Shajin Nargunam
Mobile:	09486856113
IQAC e-mail address:	iqac@niuniv.com

NAAC Track ID				TRUNGN11424	
Website address:				www.niuniv.com	
Web Link of the AQAR				www.niuniv.com/iqac	
Accreditation details					
	Sl. No	Cycle	Grade	CGPA	Year of Accreditation
	1	1st Cycle	A	3.06	2015
Date of Establishment of IQAC				22-08-2012	
AQAR for the year				2016-2017	

Institutional Status

University (State /Central/Deemed/Private)	Deemed University
Affiliated College	No
Constituent College	No
Autonomous college of UGC	No
Regulatory Agency approved Institution	Yes ,AICTE
Type of Institution/Department (Co-education/ Men / Women)	Co-education
Type of Institution/Department (Urban/Rural/ Tribal	Rural
Financial Status(Grant-in-aid/ UGC 2(f) / UGC 12B)	-
Grant-in-aid(Grant-in-aid + Self Financing/Totally Self-financing)	Totally Self-financing

Type of Faculty/Programme

Faculty	Yes/No
Arts	Yes
Science	Yes
Commerce	Yes
Law	No
PEI (Phys edu)	No
TEI (Edu)	No

Engineering	Yes
Health Science	Yes
Management	Yes
Others (Specify)	M.Phil. & Ph.D.

Special status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR etc

Special status	Yes/No
Autonomy by State/Central Govt. / University	No
University with Potential for Excellence	No
UGC-CPE	No
DST Star Scheme	No
UGC-CE	No
UGC-Special Assistance Programme	No
DST-FIST	No
UGC-Innovative PG programmes	No
UGC-COP Programmes	No
Any other (Specify)	No

2. IQAC Composition and Activities (if any at department level)

2.1	No. of Teachers	7
2.2	No. of Administrative/Technical staff	-
2.3	No. of students	-
2.4	No. of Management representatives	4
2.5	No. of Alumni	-
2.6	No. of any other stakeholder and community representatives	2
2.7	No. of Employers/ Industrialists	1
2.8	No. of other External Experts	1
2.9	Total No. of members	15
2.10	No. of IQAC meetings held	2

2.11 Has IQAC received any funding from UGC during the year?

No

Significant Activities and contributions made by IQAC

- Motivating the staff to participate in seminars, workshops, publish papers
- Motivating students to participate in seminars, workshops, various cultural activities, games & sports. Strengthening the laboratories
- Motivating the staff members to apply for minor research projects.

- Motivating students to take up social awareness programs for Neighbourhood Empowerment and Transformation, Conducting regular internal academic audit.
- Motivating the staff to take Consultancy
- Motivating the staff and students to actively participate in Extension activities.
- Plan to develop a mechanism of felicitating and rewarding the best teacher and best researcher

2.12 Plan of Action by IQAC (IF ANY AT DEPARTMENT LEVEL)/Outcome

The plan of action chalked out by the IQAC (IF ANY AT DEPARTMENT LEVEL) in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Decided to motivate the faculty members to submit more number of project proposals to various funding agencies. Decided to conduct a one week orientation programme for first year UG students.	Last year NICHE has been Accredited by NAAC with A-Grade

Provide the details of the action taken.

Academic Activities are planned and announced at the beginning of each Academic Year.

** Attach the Academic Calendar of the year as Annexure-I.*

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	18	-	18	-
PG	18		18	-
UG	16	1	17	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others (MPhil)	7		7	-
Total	59	1	60	-

Interdisciplinary				
Innovative				

New Courses Added	
Bachelor of Commerce	3 Years

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

Flexibility of the Curriculum	Yes
Choice Based Credit System	Yes, NICHE has implemented CBCS. The Choice Based Credit System (CBCS) helps to transform the traditional teacher-centric education into a learner-centric education. The

	teaching- learning process helps the learners to transform the knowledge and skills imparted in the class room to real life situations. Academic freedom, under autonomy, helps for innovation and improves research activity. Our academic stream provides flexibility to the students to opt for different sets of courses according to their interest and industrial needs. The University Regulations are based on CBCS. In this system, a Student has choice to Register for any additional Course or free elective (i.e., other than department electives) offered by the University and permitted by the Regulations. In credit system, quantum of Work is measured in terms of credits. In this system, a Student has to Register to a set of Courses prescribed in the Curriculum, at the beginning of the semester. Then he/she earns credits by passing in each Course and obtaining a valid letter grade for the Course. Requirements for a particular Program are specified in terms of minimum number of credits to be earned. Credits for a Course are based on number of instruction/contact hours be it lecture/tutorial/Practical per week. Credits are assigned to Theory, Practical, Seminar, Project, etc. The Board of Studies (BOS) of the department offering the Program stipulates the number of credits for each Course.
Core	Yes
Elective Option	Yes
Open Options	Yes

(ii) Pattern of programmes:

<i>Pattern</i>	Number of programmes
<i>Semester</i>	All Programmes (UG, PG, MPhil)
<i>Trimester</i>	Nil
<i>Annual</i>	Nil

1.3 Feedback from stakeholders

Alumni	Parents	Employers	Students
Yes	Yes	Yes	Yes

Mode of feedback : Manual

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The University provides full freedom for the departments to revise/update the existing curricula to incorporate latest changes in the industry. Curriculum and regulations revision takes place at the interval of every four years. The Board of Studies of department consists of internal members and external members from academic institution and industry.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
320	211	41	41	27

2.2 No. of permanent faculty with Ph.D. : 108

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
15	-	-	-	-	-	4	-	19	-

2.4 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	21	34	2
Presented papers	51	10	-
Resource Persons	4	3	2

2.5 Innovative processes adopted by the Institution/Department in Teaching and Learning:

- Smart class room teaching, PowerPoint presentation
- Industrial visit and academic oriented industrial visit
- Interactive sessions for students by placement Training Cell for Aptitude Skill and Communication skill development
- Use of NPTEL & MIT open courseware materials
- Student centric learning through extensive use of ICT
- Blended learning via e-resources through campus vide WiFi
- Concretization of learning experiences through assignments, seminar presentations and project work

2.6 Total No. of actual teaching days during this academic year : 293

2.7 Examination/ Evaluation Reforms initiated by the Institution/Department (for example: Open Book examination, Bar Coding, Double Valuation, Photocopy, and Online Multiple Choice Questions)

UG Programme

- There shall be an end semester University examination of 3 hours duration and 100 marks covering the full syllabus for each Course to which a Student has Registered in a Program conducted by the COE.
- In end Semester University examinations, all internal and external examiners needed for Theory, Practical and Project evaluations shall be appointed by the COE.
- External assessment procedures using **single evaluation system** shall be adopted for Theory Courses.
- Marks obtained in the end semester University examination of the theory Course out of 100 shall be reduced to 75 marks and rounded to the nearest integer. The finalized marks of **Continuous Internal Assessment (CIA) for 25** and end semester assessment (ESA) in **End Semester University Examination for 75** totaling to 100 shall be converted to the corresponding letter grades to be awarded to each theory Course Registered by a Student in a Program.
- In the end semester University examination of a Practical Course, the laboratory report is evaluated for 15 marks, viva voce for 20 marks and Practical skills for 65 marks by an external and internal examiner both duly appointed by the COE. Marks obtained in the end semester University examination of the Practical Course out of 100 shall be reduced to 75 marks and rounded to the nearest integer. The finalized marks of **Continuous Internal Assessment (CIA) for 25** and end semester assessment (ESA) in **End Semester University Examination for 75** totaling to 100 shall be converted to the corresponding letter grades to be awarded to each Practical Course Registered by a Student in a Program.
- In the end semester University examination of a Project Course, the report is evaluated for 55 marks by an external examiner. If the Project report is submitted by a group of Students then every Student in the Project group shall be awarded the same mark. Viva voce for 45 marks is conducted individually for each Student by the panel consisting of the external examiner and an internal examiner both duly appointed by the COE along with the Project guide, co-guide, if any, and the Chairperson of the Project Course committee. The panel will award viva voce marks based on the individual performance. Marks obtained in the end semester University examination of the Project Course out of 100 shall be reduced to 75 marks and rounded to the nearest integer. The finalized marks of **continuous internal assessment (CIA) for 25** and end semester assessment (ESA) in **end Semester University examination for 75** totaling to 100 shall be

converted to the corresponding letter grades to be awarded to the Project Course Registered by a Student in a Program.

- In a reasonable time frame, the COE office will scrutinize the answer books. Marks obtained in end semester University examinations out of 100 shall be reduced to 75 marks and rounded to the nearest integer. The finalized marks of **continuous internal assessment (CIA) for 25** and end semester assessment (ESA) in **end Semester University examination for 75** totaling to 100 shall be converted to the corresponding letter grades to be awarded to each Course Registered by a Student in a Program.

PG Programme

- There shall be an end Semester University examination of 3 hours duration with 100 marks covering the full syllabus for each Course to which a Student has Registered in a Program conducted by the COE.
- In the end Semester University examinations, all internal and external examiners needed for Theory, Practical and Project evaluations shall be appointed by the COE.
- External assessment procedures using **double evaluation system** shall be adopted by the COE for Theory Courses. During double valuation if the difference in the marks awarded by the two examiners is not greater than 10%, average of the two marks shall be taken as the marks secured and the results be declared by the COE. If the difference in marks is more than 10%, then it shall be referred to the third examiner. Then the marks secured in the third valuation will be compared with the nearest of the other two marks and average of the two marks shall be taken for declaring the results.

2.8 No. of faculty members involved in curriculum restructuring / revision / syllabus development

as member of Board of Study	As Faculty	As Curriculum Development workshop
110	109	13

2.9 Average percentage of attendance of students : 75 %

2.10 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of	Total No. of	Division (among the students those who successfully completed)
------------------------	--------------	--------------	---

	students appeared	Student s Pass	Distinction %	I %	II %	III%	Pass %
B.E Aeronautical Engineering	23	20	20	90	-	-	86.90
B.E Aerospace Engineering	26	23	21.7	78.26	0	-	88.5
B.E. Aircraft Maintenance	7	06	16.7	83.33	0	-	85.70
B.E Electronics & Communication	23	14	14.3	85.71	0	-	60.87
B.E. Electrical & Electronics	15	11	45.5	54.55	0	-	73.33
B.E Electronics & Instrumentation	7	07	0	100	0	-	100
B.E Bio-medical Engineering	17	13	46.2	53.85	0	-	76.47
B.E Civil Engineering	94	71	11.3	76.06	11.27	-	75.53
B.E Computer Science & Engineering	29	24	0	95.83	4.167	-	82.76
B.Tech. Information Technology	7	05	0	100	0	-	71.43
B.Tech. Fire Technology & Safety Engineering	9	09	11.1	88.89	0	-	100
B.E Mechanical Engineering	162	136	11	83.82	5.147	-	83.95
B.E Automobile Engineering	31	15	6.67	80	13.33	-	48.39
B.E Marine Engineering	07	07	42.9	57.14	0	-	100
B.Tech. Nanotechnology	03	3	66.7	33.33	0	-	100
B.B.A Bachelor of Business Administration	7	07	0	28.57	71.43	-	100
M.E Communication Systems	03	03	100	0	0	-	100
M.E. Applied Electronics	03	03	66.7	33.33	0	-	100
M.E. Structural Engineering	04	04	75	25	0	-	100
M.E Biomedical Instrumentation	03	03	100	0	0	-	100
M.Tech. Nanotechnolog	02	01	100	0	0	-	50

M.E. Computer Integrated	02	02	100	0	0	-	100
M.C.A-Master of Computer Applications	34	32	43.8	56.25	0	-	94.12
M.B.A-Master of Business Administration	63	47	4.26	87.23	8.511	-	74.6
M.Sc. Physics	15	15	33.3	66.67	0	-	100
M.Sc. Chemistry	23	21	0	90.48	9.524	-	91.3
M.Sc. Mathematics	24	23	8.7	91.3	0	-	95.83
M.A. English	40	40	2.5	55	42.5	-	100
M.Sc. Software Engineering	25	20	15	80	5	-	80
M.Phil Chemistry	01	01	100	0	0	-	100
M.Phil English	41	38	0	100	0	-	92.68
M.Phil Mathematics	08	08	87.5	12.5	0	-	100
M.Phil Physics	06	05	60	40	0	-	83.33
M.Phil Computer Science	30	29	75.9	24.14	0	-	96.67
M.Phil. Management Studies	08	05	0	100	0	-	62.5

2.11 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

Decided to conduct Academic Audit at the end of each academic year to audit the teaching, learning and research activities of each department by a four member team. Audit committee recommendations and observations are discussed with the department concerned.

2.12 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	14
UGC – Faculty Improvement Programme	1
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	14

Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	11
Others	4

2.13 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Position	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	57	-	-	-
Technical Staff	65	-	1	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

In order to promote the research culture at the department level and to share the focused research areas with other research scholars and faculty members a research colloquium is formed at the departmental level. Research colloquium meets once in fifteen days.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	3	-	1
Outlay in Rs. Lakhs	40,90,600	4,39,000	-	35,00,000

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.4 Details on research publications

	International	National	Other
Peer Review Journals	447	10	-
Non-Peer Review Journals	25	-	-
e-Journals	10	-	-
Conference proceedings	15	-	-

3.5 Details on Impact factor of publications

Range	0.15-9.35
Average	15.583
h-index	117
Nos. in SCOPUS	125

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	4	DST	29,08,000	29,08,000
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total	4	-	29,08,000	29,08,000

3.7 No. of books published

I. With ISBN No.	4
II. Chapters in Edited Books	-
III. Without ISBN No	-

3.8 No. of University Departments receiving funds from

UGC-SAP	-
CAS	-
DST-FIST	-

DPE	-
DBT Scheme/funds	-

3.9 For college

Autonomy	-
CPE	-
DBT Star Scheme	-
INSPIRE	-
CE	-
Any Other (specify)	-

3.10 Revenue generated through consultancy : Rs. 60000/-

3.11 No. of conferences organized by the Institution/Department

Level	International	National	State	University	College
Number	7	3	3	4	-
Sponsoring agencies	Various funding agencies like DST, AICTE, NICHE etc.				

3.12 No. of faculty served as experts, chairpersons or resource persons: 44

3.13 No. of collaborations

International	Total :102
National	
Any other	

3.14 No. of linkages created during this year : 13

3.15 Total budget for research for current year in lakhs:

From Funding agency	68.00
From Management of University	112.20
Total	180.20

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	7
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College/ Department
44	24	4	-	15	-	1

3.18 No. of faculty from the Institution/Department

who are Ph. D. Guides	70
students registered under them	77

3.19 No. of Ph.D. awarded by faculty from the Institution/Department: 48**3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)**

JRF	SRF	Project Fellows	Any other
1	-	2	2

3.21 No. of students Participated in NSS events:

University level	State level	National level	International level
141	-	-	-

3.22 No. of students participated in NCC events:

University level	State level	National level	International level
------------------	-------------	----------------	---------------------

NA	NA	NA	NA
----	----	----	----

3.23 No. of Awards won in NSS:

University level	State level	National level	International level
-	-	-	-

3.24 No. of Awards won in NCC:

University level	State level	National level	International level
NA	NA	NA	NA

3.25 No. of Extension activities organized

University forum	College forum	NCC	NSS	Any other
-	-	-	4	2

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility:

Regular health campus were organized for the nearby village people for check-up, advice and disbursement of medicine.

Criterion – IV**4. Infrastructure and Learning Resources****4.1 Details of increase in infrastructure facilities:**

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	47 Acres	-	-	-
Class rooms	129	5	NICHE	134
Laboratories	55	-	NICHE	55
Seminar Halls	8	2	NICHE	10
Value of the equipment purchased during the year (Rs. in Lakhs)	The value of Laboratory equipment purchased was Rs. 13,22,000/-			

4.2 Computerization of administration and library : Yes**4.3 Library services at University Level:**

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	73404	1,28,78,295.00	2844	84,9121.00	76247	1,37,27,416.00
Reference Books	1095	26,29,978.00	33	66,000.00	1928	26,95,978.00
e-Books	352	-	120	9,52,692.00	470	9,52,692.00
Journals						
e-Journals	-	7,77,939.00	-	1,97,296.00	-	9,75,235.00
Digital Database	-	-	-	-	-	-
CD & Video	1616	-	42	-	1658	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing centres	Computer Centres	Office	Departments	Others
Existing	1024	717	26	28	84	61	102	6
Added	-	-	-	-	-	-	-	-
Total	1024	717	26	28	84	61	102	6

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Nil

4.6. Amount spent on maintenance in lakhs:

i) ICT	-
ii) Campus Infrastructure and facilities	460.33
iii) Equipments	132.22
iv) Others	105.93
Total :	698.48

Part – B

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC(IF ANY AT DEPARTMENT LEVEL) in enhancing awareness about Student Support Services

Mentor System

Education is a process of learning and transformation of a student. The internal and external challenges of our younger generation are to be resolved in order to empower them properly. For this a close assessment and a warm interaction with the individual students is mandatory.

Mentors are been appointed by the HOD and counseling is given to each of the individual student. The purpose of counseling is that students can freely and confidentially express their academic, emotional and personal pressures and concerns to their Mentor, who helps them effectively.

The main duty of the Mentor is to facilitate Academic, Emotional, Social and cognitive development of the students hence to empower them in their learning and personal development.

Students are divided in groups of 20 - 25, and each group is allocated a staff member. Counseling is done once in a week and the report of the same is maintained. The counseling is done based on their performance in series test, attendance, etc. In addition counseling is also done for a few problems with personal things. Always a good rapport is maintained between the students and mentor.

5.2 Efforts made by the Institution/Department for tracking the progression

The continuous internal evaluation scheme and the end semester University examination system has inbuilt mechanism for monitoring the progression.

Some Common Issues Identified during the tracking process:

- Academic pressures (Lack of concentration and motivation for studies, underachievement, backlogs, exam stress, unhealthy competition)
- Loneliness and homesickness
- Adjustment difficulties
- Peer pressure
- Relationship issues and Family Problems
- Cyber bullying
- Behavioural problems (anger outbursts, disobedience, lying etc)
- Low confidence and self esteem
- Depression ,anxiety and other mental health problems

Duties of Mentor:

- Monitoring Students Attendance
- Monitoring academic performance
- Counseling regarding personal problems

5.3 (a) Total Number of students

UG		PG		Ph. D.		Other		Total	
Men	Women	Men	Women	Men	Women	Men	Women	Man	Women
495	51	126	177	38	39	-	-	659	267

(b) No. of students outside the state : 523

(c) No. of international students

	In numbers
Men	-
Women	-
Total	-

Last Year 2015-2016												This Year 2016-2017											
General		SC		ST		OBC		Physically Challenged		Total		General		SC		ST		OBC		Physically Challenged		Total	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
138	80	6	4	-	-	38	25	-	-	52	33	133	70	8	6	-	-	51	19	-	-	65	26
						44	4			88	8							81	1			99	7

5.4 Details of student support mechanism for coaching for competitive examinations (If any) No. of students beneficiaries

NIL

5.5 No. of students qualified in these examinations

NET	SET/STET	GATE	CAT	IAS/IPS	State PSC	UPSC	Others
2	1	1	-	-	-	-	1

5.6 Details of student counselling and career guidance

Year	Name of the Activity	Number of students attended / participated	Details of career counselling	Number of students placed through campus placement

2016-2017	Pre- Placement Training - Ms. Sumathy, Head, Talent Search, VDart Software	56 Students	Workshop on Developing Employability Skills-Mr. S. Mownesh, Business Development Manager, Focus Academy, Bangalore.	263
2016-2017	Techruit Online Exam,	192 Students		
2016-2017	TCS - Placement Training, Prof. M. Sivathanupillai, Director-III	55 Students		
2016-2017	TCS - Placement Training- Prof. M. Sivathanupillai, Director-III	55 Students		
2016-2017	Pre Placement Training Myoungshin	56 Students		
2016-2017	Workshop on Safety Management and Career Guidance-Mr. Mohanlal, Chief Executive Officer, Arbit Safety & Engg. Solutions, Cochin.	232 Students		
2016-2017	Career Guidance	43 Students		
2016-2017	Workshop on developing employability skills	586 students		

5.7 Details of campus placement

S.N o.	Organisation	Date of Selection	Total Student s placed
1	Myoungshin Automotive, Kancheepuram	23.7.2016	30
2	VDART(HCL Technologies) Chennai	3 & 4.11.2016	21
3	Myoungshin Automotive, Kancheepuram	10.11.2016	30
4	VECTOR India Pvt. Ltd, Bangalore	25.1.2017	1

5	IVANA Softech, Bangalore	14 & 15.2.2017	6
6	ServellMedi-Equipment(P)Ltd.,Chennai	12.3.2017	14
7	HindhujaGlobalSolutions,Chennai	20.3.2017	20
8	BereziaTechnology,Chennai	20.3.2017	42
9	HexawareTechnologies,Chennai.	1.4.2017	30
10	VetaIndustries(India)Chennai	11.4.2017	8
11	AmtekAutoLtd,Chennai	11.4.2017	21
12	TalentProIndia	20.4.2017	4
13	SriramTransport	20.4.2017	1
14	VertexCustomer	20.4.2017	6
15	HindujaGlobal	20.4.2017	12
16	MahindraFinance	20.4.2017	3
17	Verbex Solutions	22.4.2017	5
18	CMS IT Solutions	22.4.2017	4
19	Novas market resources	22.5.2017	7
20	GESCO	12.5.2017	4
	Total		263

5.8 Details of gender sensitization programmes

NIL

5.9 Students Activities

No. of students participated in Sports, Games and other events

State/ University level	16
National level	-
International level	-

5.9.1 No. of students participated in cultural events

State/ University level	10
National level	06
International level	-

5.9.2 No. of medals /awards won by students in Sports, Games and other events: Sports :

State/ University level	10
National level	-
International level	-

No. of medals /awards won by students in Sports, Games and other events: Cultural:

State/ University level	06
National level	06
International level	-

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from Institution/Department	391	1,15,39,200
Financial support from government	60	17,80,231
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives Fairs:

State/ University level	1
National level	-
International level	-

Student organised / initiatives Exhibition:

State/ University level	1
National level	1
International level	-

5.12 No. of social initiatives undertaken by the students:

Swatch Bharath, Voter Campaign

5.13 Major grievances of students (if any) redressed: Yes

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

OUR VISION

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

OUR MISSION

To develop the Institution as a centre of excellence, keeping pace with advances in the field, so as to provide quality higher education to the students and instill in them high standards of discipline and ethics so that they become enlightened individuals in the service of humanity and to carryout focused research in the frontier areas of science and Technology.

6.2 Does the Institution/Department has a management Information System

Yes

Admission, Academics and Examination module covers student's entire academic cycle beginning from registration and admission, taking them through regular attendance, exams and results and ending with issuance of the degree/certificate. Besides managing course programmes and modules as well as the administration of students from point of admission to conferral, it also helps the university in optimum utilization of its resources like academicians and other support staff.

Major Objectives:

- Provides faculty, staff and students with user-friendly, customizable, self-serve access to real-time data.
- Builds a foundation for student systems that can be easily expanded to include the eventual implementation of Admissions, Academics and Examination.
- Provides workflow to improve and streamline business process flows with consistency and efficiency.
- Creates a single source for an integrated university-wide data repository through the centralized database for reporting and data analysis capabilities thus promoting information sharing across the university.
- Maintains a robust, reliable infrastructure for sustaining all university services and supporting growth for new services.
- Accurate conversion of data to ensure the integrity and maintain the confidence in administrative applications.

6.3 Quality improvement strategies adopted by the Institution for each of the following:

6.3.1 Curriculum Development

The University provides complete autonomy to the departments to revise or update existing curricula to incorporate latest knowledge development AND even introduce new courses in tune with employment market needs, as and when they want to do this.

6.3.2 Teaching and Learning

Before the beginning of every academic year, Director, Academic Affairs announces detailed academic schedule for all Programmes/Courses offered by the University based on the guidelines of UGC taking into account the mandatory number of working days (90 days per semester).

The plan for teaching-learning process is organized at the department level in the beginning of the every semester. The Head of the Department concerned conducts meeting with all the faculty members and allots subjects based on their interest. Then the time table is prepared and circulated to the students. The faculty members prepare the Lecture Plan for the subject to be taught in the beginning of the semester.

The student evaluation of the teachers is a regular feature and done at the middle and end of the semester. Students have to submit their feedback and it is consolidated by the HOD and presented to the higher officials for follow up action. Apart from this, Vice Chancellor, Registrar, Deans and HODs interact with the students and obtain their feedback. The feedback received will be discussed with the teachers concerned and if necessary, they will be counselled and advised by the university officials. At the beginning of the semester, the copy of the syllabi is provided to the student.

The staff offering different courses prepare lecture plans and maintain a record of the syllabus coverage details to ensure a smooth coverage of the syllabi. For practical subjects, manuals available in each laboratory serve to expose the facilities and capabilities of each instrument/equipment.

6.3.3 Examination and Evaluation

Pre-examination processes.

Yes. The examination wing works in close coordination with Director, Academic Affairs and Director, Student Affairs. Registered students list is prepared and announced by Director, Academic Affairs. Eligible Student lists are prepared after considering their attendance percentage by the director, student affairs. These students register themselves for examinations by submitting the customized exam application form. Arrangement for external and

internal Invigilators, Squad, Attendance sheet and Hall ticket are made well in advance.

Examination process – Examination material management, logistics, etc.

All the examinations are held at central examination halls to check the malpractices and to ensure transparency. The hall schedule and other arrangements for students are well prepared and announced in advance. The examination materials and logistics are centrally provided by the office of the Controller of Examination involving secretarial staff whereas invigilation is taken care of by external and internal teaching staff.

Post-examination process – Attendance capture, OMR-based exam result, auto processing, generic result processing, certification etc

All the attendance details are checked precisely on the day of examination and the data are entered for comparison. This helps cross check the procedure and is followed until the process of mark registration and mark list preparation is completed. The evaluation of answer scripts is also done centrally involving 50% internal faculty and 50% external faculty members, mark sheets are placed for scrutiny in the passing board meeting after which the results are published.

6.3.4 Research and Development

NICHE's industry-academia collaboration is one of the crucial indicators and distinctive features of promoting research and development. This strengthens the industrial technology and R&D activities and paves way for inviting experts from industries to co-teach and enhance students' practical ability in their specialized fields. The tie-up not only increases the quantity but also enhances the quality of collaboration with the real world. Ph.D. program is strengthened by incorporating systematic evaluation and filtering processes for admission such as entrance test and interview. Progress of the doctoral student is regularly evaluated by the Doctoral Committee.

6.3.5 Library, ICT and physical infrastructure / instrumentation

A very good infrastructure, with a peaceful environment, surrounded by natural greenery and ecofriendly atmosphere brings users spontaneously to the library to make use of its resources. The Central Library and department libraries are constantly equipped with latest arrivals. The increased hours accessibility to the Central Library with more than seventy six thousand books and a number of journals, magazines, fortnights, weeklies and newspapers in different languages ensure full support to research.

6.3.6 Human Resource Management

The University supports the faculty to academically recharge and rejuvenate their caliber by providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc. They are provided with financial support towards travel and registration. University also provides financial support for organizing national/international symposia and conferences from the General development Grant.

6.3.7 Faculty and Staff recruitment

All the vacant teaching posts of permanent nature and the temporary posts likely to continue, carrying pay scales of Rs.15600-39100 and above are advertised by the University in the form of a composite rolling advertisement on its website. The composite rolling advertisement remains alive all the time and is updated every time when a new vacancy is created or when the earlier advertised positions are filled up by selection. The prospective applicants can apply anytime of the year, but the applications will be processed as and when vacancy arises. There is no application fee.

6.3.8 Industry Interaction / Collaboration

Noorul Islam University has a full-fledged Placement & Training Cell manned by an industry experienced person as the Director. The function of this cell is mainly to promote Institution-Industry Interaction for the benefit of the students to carry out their In-plant training and also to undertake Project Work as a part of their education requirements as per the norms framed by the University. The Cell is in constant touch with major industries throughout India to provide job opportunities to the students.

6.3.9 Admission of Students

Notification of Admission process is published in national dailies and on the University's web-site. University conducts entrance tests for all of its UG, PG Courses of Studies and Research Programmes. The admission to all the UG, PG and Research programmes is through an all India entrance test. The merit of the candidate in the entrance test and the marks obtained in the qualifying examination are taken into account for admission, thus ensuring full transparency in the admission process.

6.4 Welfare schemes for

Some of the specific welfare schemes for the teaching and non-teaching employees are :

Health Care through NIMS Hospital

Group Insurance scheme

Loans given for various purpose by Noorul Islam Staff Welfare Association – NISWA

Rent Free Quarters for Faculty

Two sets of Uniforms are provided for all the supporting staff

Fee concision provided for the wards of Non-Teaching Staff

6.5 Total corpus fund generated

Amount Collected from Fees: 211806872

6.6 Whether annual financial audit has been done : Yes

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Academic Audit is carried out in every Academic Year

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes	Yes
For PG Programmes	Yes

6.9 What efforts are made by the University for Examination Reforms?

Action has been taken to reform the examination system. Optical Marking Recognition (OMR) based answer sheets are now in vogue for university examinations to avoid human error. Answer sheets with OMR based cover page has helped in transferring data to computers besides eliminating manual data entry operation. The University ensures transparency in both internal and final evaluation. Internal assessment is done based on the performance in the first, second and third series tests, in which the answer scripts are returned to the students for verification. University exam evaluation is done by external and internal examiners chosen at random and the students are allowed to go for revaluation/re-totalling/photocopying, if any discrepancies arise.

To ensure confidentiality: (i) dummy number is adopted in post examination process, (ii) question despatched by the setter is opened in the confidential room. Selection of one paper out of two sets of question papers set by two different examiners ensures confidentiality.

6.10 What efforts are made by the University to promote autonomy in the Affiliated / Constituent Colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

Alumni Association is strong entity of the University and an Annual Alumni meet is conducted every year in the University. Feedback collected from alumni is reviewed and the same will be used for curriculum revision.

6.12 Activities and support from the Parent – Teacher Association

NICHE officials interact with the parents during admission and whenever the parents seek information in the Parents Teachers Association Meetings.

6.13 Development programmes for support staff :

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2016-2017	Faculty Development		17.08.17-19.08.17	13	
2016-2017		Staff development Program	19.08.17		83
2016-2017	Two-day Workshop on LaTeX		19.12.2016-20.12.2016	60	

6.14 Initiatives taken by the Institution/Department to make the campus eco-friendly

The university is situated in the base of the Veli Hills of the Western Ghats and is surrounded by greenery. The university has conducted a Green Audit of its campus and counted the flora of the lush green campus. The eco-friendly campus of the university abounds in variety of trees and plants, some of them even rare ones. The Green Audit undertaken has identified heritage trees also.

Lamp posts have been fitted with solar street lamps (eight in number) throughout the vast campus so that energy can be clean, eco-friendly and conserved.

Eco-friendly generators have been installed in the campus for production and supply of electricity during current cuts.

Part – B

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

The university has been striving to introduce innovations in its campus to improve facilities made available to the staff and students.

- General Insurance for Medclaim for all the staff of the university.
- The university strives to incorporate New Aspects into its curricula.
- Wi-Fi campus. 24x7 Wi-Fi Connectivity to all staff and students enabling them to access internet anytime anywhere in the campus.
- Ten percentage (10%) flexibility made available in the PG syllabi of the different courses of the university for the inclusion of recent developments in a field of study by teachers concerned to keep the students ahead of knowledge and skills.
- Noorul Islam University has the innovative plan to launch its own satellite with government help. The proposed satellite will be used for agricultural applications and also higher education. NIUSAT is a Nano satellite designed and developed by Noorul Islam Centre for Higher Education (Noorul Islam University) with a Miniature Wide Field Sensor (MWiFS) for agriculture and disaster management support applications. The images from the NIUSAT will be used for identifying potential agricultural diseases of the crops around Kanyakumari District and providing timely assistance to the Disaster Management Support (DMS) Programme to address disasters due to flood, cyclone, drought, forest fire, landslide and earthquake. Nano satellite project, a Noorul Islam University program, involving students and staff of the university, makes use of the state-of-the art proven technologies and modules.
- ICT enabled teaching learning and provision for and use of smart class rooms.
- Reporting of all academic performances of students immediately through SMS.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year.

The reconstituted IQAC with an independent and separate unit came into existence in June 2015. Its primary focus was to complete all formalities for the assessment and accreditation by NAAC. IQAC has successfully submitted the LoI and after acceptance of the same is actively working for submission of all necessary documents for consideration of NAAC.

7.3 Give two Best Practices of the Institution

Title of the Practice:

University Automation System and Web Portal with facility for on-line entry and delivery of student details.

Objective of the Practice:

The main objective of the automation system is to facilitate all administrative and academic details regarding the students, their study, progress and academic performances in a transparent manner to the parents and students and staff to achieve greater success.

The Context:

Noorul Islam Centre for Higher Education is a Deemed-to-be University that gives primary importance to the overall development and performance of the students enrolled. In this context, the matter of utmost importance is transparency in the affairs of an enrolled student and giving him or her all details of performance, progress and prospects without any delay and secrecy and also without any hardship encountered by the stakeholders. Conveying all details of study related matters to them on time in a prompt, effective manner and through modern communicative technology becomes imperative. Keeping itself abreast of latest technology which even the student prefers, the university has created the Automation System that enables prompt and timely entry and delivery of all student details. It opens up immediate access to such details by all staff and stakeholders.

The Practice:

The Automation System has been designed with the sole objective of providing all appropriate and relevant information regarding students and scholars and as required by different stakeholders. The university is successful in the dissemination of information to stakeholders as evidenced from the availability of all student details through university automation system. Availability of information like academic details of a student, and entry of university test marks, assignment marks internal and project marks in the automations ensures prompt execution of the job as well.

Evidence of Success:

The major advantage of this Automation and Website is the entry and delivery of relevant and required information on time and with promptness and the availability of this relevant information to the students and scholars on time and on demand. The system has obliterated any possibility for delay in the availability of such information to the students.

Problems Encountered And Resources Identified:

The automation system has much facilitated the timely recording of all student s' academic related matters. The facility is working effectively and successfully and staff, students and scholars get their access to necessary information on time and on need and as required and it has also reduced much running from pillar to post for details and also saves time and energy otherwise involved in the search for such details. More additional features can be added in future to the automation to cover any other hitherto unexplored areas of entry and delivery of student details and making them available immediately to the stakeholders.

7.4 Contribution to environmental awareness / protection

Renewable Energy

- The university has started taking initiatives to conserve energy by resorting to renewable energy sources and is now gradually attempting to exploit solar energy.
- 10 KW Solar Photovoltaic Energy Production System has been installed in the Marine Hostel of the university to provide power to the hostel. Such uses of alternative sources of generating power help in overcoming the power crisis.

Water Harvesting

- Water harvesting measures have been taken by the University for keeping the ground water level safe, in spite of the fact that the university campus is situated on the foothills of the Veli Mountains and receives abundant rainfalls every year. Water harvesting pits have been dug with inlets from building roofs and conservation methods have been effected in many blocks of the university.

7.5 Whether environmental audit was conducted? Yes (Internal Audit)

7.6 Any other relevant information the Institution/Department wishes to add. (for example SWOC Analysis)

Strength

- Well known for quality teaching in Technical Education with a long series of renowned teachers serving this institution and acclaimed nationally and internationally.
- Almost 45 percent the faculty members of the University Teaching Departments have Doctoral degrees.
- Diversity of courses with competent faculty members and enriched with infrastructure and other resources.
- Well maintained huge campus with sufficient number of class rooms, sufficient departmental lab spaces, spacious and well- established library hosting some rare collections of books & manuscripts, adequate sports facilities with playgrounds, green campus and other facilities.

Weaknesses:

- High impact factor yet to be achieved by the faculties.
- Scope for augmentation of ICT tools in academic and administrative areas.
- The University is not succeeding in the mission of attracting desired level of foreign students.
- The University is required to enhance its potential towards consultancy

services and outreach to the industries and corporates.

Opportunities

- The University is full of opportunities for students to grow in a holistic manner through a cultural, intellectual, co-curricular and extra-curricular exposure in a healthy environment.
- The University is a place for all the marginalised sections of region to get an opportunity to grow and thus acquire self-esteem.

Challenges

- Autonomy is required for utilization of internal resources for better management and maintenance tasks demanding regular attention.
- Sustaining the pace of development and quality education in view of global trend in higher education. New experimentation and simplifying the designing of course and syllabus of new disciplines are immediately required.
- Maintaining students' placement.
- Encouraging productive research activities.

8. Plans of Institution for next year

- Increase efforts to obtain grant and external funds over the next five years.
- Earn the recognition among students and research scholars that Noorul Islam Centre for Higher Education is a 'happening' campus
- Establish a track record as a creator of new and innovative technologies for industrial and national needs
- Provide an invigorating work environment for faculty and staff, where merit and hard work are recognised and rewarded
- Be a model university campus in terms of sustainability, usage of energy and water and recycling of materials
- Be an institute that is sought for international collaborations leading to exchange of students and faculty and joint degree programmes.