

# THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

## PART A

### 1. Details of the Institution

1.1 Name of the Institution	<b>FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY</b>
1.2 Address Line 1	<b>Hormis Nagar, Mookkannoor</b>
City/Town	<b>Angamaly</b>
State	<b>Kerala</b>
Pin Code	<b>683 577</b>
Institution e-mail address	<b>mail@fisat.ac.in</b>
Contact Nos.	<b>0484 2725272, 04842725250</b>
Name of the Head of the Institution	<b>Dr. George Issac</b>
Tel. No. with STD Code:	<b>0484 2725272</b>
Mobile	<b>949504629</b>
Name of the IQAC Coordinator	<b>Dr. Sunny Kuriakose A</b>
Mobile	<b>9495677688</b>
IQAC e-mail address:	<b>iqac@fisat.ac.in</b>
1.3 NAAC Track ID	<b>KLCOGN 24810</b>
1.4 NAAC Executive Committee No. & Date:	<b>EC(SC)/18/A&amp;A/85.1, November 05, 2016</b>
1.5 Website address:	<b>www.fisat.ac.in</b>
Web-link of AQAR	<b><a href="http://fisat.ac.in/pages/iqac">http://fisat.ac.in/pages/iqac</a></b>

### 1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.05	2016	2016-2021

1.7 Date of Establishment of IQAC :

**IQAC reconstituted on 15/02/2017**

1.8 AQAR for the year (for example 2010-11)

**2016 - 17**

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

NA

1.10 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

**Master of Computer Applications**

1.12 Name of the Affiliating University (for the Colleges)

**APJ Abdul Kalam Technological University**

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

Autonomy by State/Central Govt. / University

NA

University with Potential for Excellence	<input type="text" value="NA"/>	UGC-CPE	<input type="text" value="NA"/>
DST Star Scheme	<input type="text" value="NA"/>	UGC-CE	<input type="text" value="NA"/>
UGC-Special Assistance Programme	<input type="text" value="NA"/>	DST-FIST	<input type="text" value="NA"/>
UGC-Innovative PG programmes	<input type="text" value="NA"/>	Any other ( <i>Specify</i> )	<input type="text" value="NA"/>
UGC-COP Programmes	<input type="text" value="NA"/>		

## 2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="19"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="16"/>
2.3 No. of students	<input type="text" value="1"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="1"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="1"/>
2.9 Total No. of members	<input type="text" value="41"/>
2.10 No. of IQAC meetings held	<input type="text" value="6"/>

2.11 No. of meetings with various stakeholders: No.  Faculty

Non-Teaching Staff  Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- The IQAC has been reconstituted after the first cycle accreditation.
- The points identified by the Peer Team in their report were discussed in detail and actions required are suggested.
- Two-days orientation for the staff on the following topics - *Equipping Teachers, Moulding Students to face the Challenges of today, Student Teacher relationship, General Attitude, Better Academic Excellence, Developing Emotional Quotient of Teachers in Work* - was held in two days with experts from outside during July 21-22, 2017. The programme has been highly beneficial to the staff.
- Meticulous planning of the activities, both academic, non – academic, has been done at the beginning of the semester. The College Calendar and Handbook was released incorporating the activities.
- The activities of the Academic Progress Monitoring Committee made a positive impact on the academic performance of the students.
- Initial work of the NBA accreditation work has been started.
- Group Advisory system has become more vibrant. Each group of max 20 students is assigned to a single faculty and a separate file is kept for each group.
- Research got more momentum with the help of FAB LAB. Teachers are encouraged to publish more and more research papers in highly indexed research journals.
- Faculty members are encouraged to apply for more research projects.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Action Plan Proposed	Outcome Achieved
1) 'Academic retreat' be planned in which the academic and activity calendar be prepared and published.	Every department conducted planning session and framed the calendar of activities of the year
2) An orientation programme for the entire staff be conducted before the	A two-day orientation for staff was held in two days with experts from outside as resource persons during July 21-22, 2017

commencement of the next semester.	
3) Bridge courses - orientation and prerequisite courses for the first semester students before the commencement classes stipulated by KTU and courses to fill the gaps in the existing syllabi be conducted and details be kept in the Course File.	Bridge courses were conducted by all the department during the first three days of the odd semester which helped the newly joined to be familiar with the new topics and practices of the professional education.
4) The activities of the Academic Progress Monitoring Cell (APMC) be made more vibrant and effective	The Academic Progress Monitoring Committee conducted three round of counselling for all the B.Tech. Sem 1, Sem 3 and Sem 5 batches. The positive effect of the meeting was reflected in the performance of the series examinations.
5) Each department has to offer at least one structured ancillary / add-on programme so as to add value to the existing programme.	The Department of Computer Applications and Department of Electronics and Instrumentation are conducting add on course
6) The College website has to be made up-to-date and strategies like digital marketing for attracting students be explored.	The website is being up-dated from time to time.
7) Central repository of activities be made mandatory.	Partial implementation was done but yet to be implemented fully
8) The Group Advisory system be revitalized	IQAC prepared a set of guidelines prepared for Group Advisory system and the system is now more effective.
9) The College Research Committee is to be revitalized and its functions are to be framed.	<ul style="list-style-type: none"> <li>• A good deal of efforts was put in to get the Journal approved by the Government.</li> <li>• Research output by the staff is reasonably good. New facility FAB LAB is provided for staff and students.</li> </ul>
10) Students are to be encouraged to undergo online courses and the	281 Students have completed successfully various NPTEL Courses

details be documented department-wise	
11) The details of attendance, special classes and remedial classes are to be intimated to the parents in advance by sms	This practice helps to make the remedial classes more structured and effective
12) Necessary steps are to be taken to exhibit mandatory postures on the campus as per AICTE norms.	Mandatory postures were exhibited, thereby made awareness about various healthy practices
13) Publication of current issue of the College Annual Newsletter	The publication of the College Annual Newsletter – Impetus 2017 is underway.
14) To initiate the NBA accreditation process	Committee has been formed and started working

\* Attach the Academic Calendar of the year as Annexure.

#### Academic Calendar given in Annexure - 2

2.15 Whether the AQAR was placed in statutory body Yes  No   
Management  Syndicate  Any other body

## 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	Nil	Nil	Nil	Nil
PG	9	Nil	9	Nil
UG	6	Nil	6	Nil
PG Diploma	Nil	-	-	Nil

Advanced Diploma	Nil	-	-	Nil
Diploma	Nil	-	-	Nil
Certificate	Nil	Nil	Nil	2
Others	Nil	Nil	Nil	Nil
<b>Total</b>	<b>15</b>	<b>NIL</b>	15	2
Interdisciplinary	Nil			
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	14
Trimester	1
Annual	Nil

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
(On all aspects)

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

**\*Please provide an analysis of the feedback in the Annexure**

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

B.Tech. III<sup>rd</sup> and IV<sup>th</sup> semester syllabi were changed as per the APJ Abdul Kalam Technological University regulations during August 2016 – November 2017.

Besides the courses on theory, life skills and more practical oriented components incorporated.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

- A Computer Museum has been introduced in the Department of Computer Science and Engineering, where a step by step evolution of computer and hardware components is exhibited.
- Fabrication Laboratory
- Centre of Excellence in Robotics
- Mobile Fab Lab
- Innovation and Incubation Centre
- *e-yenthra* Lab

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of Permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
213	131	9	11	62

2.2 No. of permanent faculty with Ph.D.

25

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
2	Nil	Nil	Nil	Nil	Nil	9	Nil	11	Nil

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

1

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	25	14	5
Presented papers	33	15	-
Resource Persons	2	7	2

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Group Advisory system made more specific.
- Before the beginning of the semester, the academic information sheet of all students are prepared and distributed to each faculty by group advisors to get awareness of performance of each student.
- *Honorary Corporate Professorship Programme* has been introduced to enhance industry-institute interaction and to give practical insights to students in the MBA department.
- The Department of Business Administration also started *International Speaker Series*.
- Academic Progress Monitoring Committee made more vibrant.
- Offering bridge courses



2.7 Total No. of actual teaching days during this academic year

180

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

Nil

2.9 No. of faculty members involved in curriculum Restructuring / revision/ syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

10

1

4

2.10 Average percentage of attendance of students

89.3

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B. Tech. Civil Engineering	123	22	44.7	1.6	-	68.3
B. Tech. Electronics & Instrumentation Engineering	59	6.8	49.2	8.5	-	64.5
B. Tech. Electronics & Communication Engineering	123	20.3	59.4	4.1	-	83.7
B. Tech. Electrical and Electronics Engineering	62	0	24.2	29	19.4	72.6
B. Tech. Mechanical Engineering	122	9	63	3	-	75
B. Tech. Computer Science and Engineering	119	16.8	36.9	22.7	0.8	77.2
M. Tech. Communication Engineering	13	7.7	92.3	-	-	100
M. Tech. Computer Science and Information System	12	91.7	8.3	-	-	100
M. Tech. Power Electronics and Power Systems	16	12.5	43.8	37.5	6.2	100
M. Tech. Computer Integrated Manufacturing	Nil	-	-	-	-	-
M. Tech.	24	77.2	22.8	-	-	100

Structural Engineering & Construction Management						
M. Tech. VLSI and Embedded System	6	83.3	16.7	-	-	100
MBA	117	-	52.1	1.7	-	53.9
MCA Regular	60	12	65	12	-	89
MCA Lateral Entry	58	14	86	-	-	100

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

- The programme objective, programme educational objective, course outcome etc. are designed for each programme and evaluated.
- The academic progress is being monitored by the individual department and the Academic Progress Monitoring committee.
- Slow learners are being given remedial classes and motivational classes.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	16
UGC – Faculty Improvement Programme	-
HRD programmes	9
Orientation programmes	67
Faculty exchange programme	-
Staff training conducted by the university	6
Staff training conducted by other institutions	61
Summer / Winter schools, Workshops, etc.	62
Others	7

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	23	Nil	9	3
Technical Staff	71	Nil	-	27

## Criterion – III

### 3. Research, Consultancy and Extension

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

- The College Research Committee is dedicated to promote research in the college
- The newly build FAB LAB helps research and making products with patent potential
- The production of the College research journal is expected to resume after getting the title approval from Government of India.
- e-yentha lab in collaboration with IIT Mumbai

3.2 Details regarding major projects

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

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	1	-	2
Outlay in Rs. Lakhs	7500/-	7500/-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	63	4	-
Non-Peer Review Journals	2	2	-
e-Journals	2	-	-
Conference proceedings	67	-	1

3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	1	CIAL	-	-
Projects sponsored by the University/ College	2	College	60,000/-	45,000/-
Students research projects <i>(other than compulsory by the University)</i>	1	Kerala State Council for Science, Technology and Environment	15,000/-	7,500/-
Any other (Specify)	-	IIT Mumbai	4,00,000/-	4,00,000/-
Total	4	-	4,75,000/-	4,52,500/-

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST

DPE  DBT Scheme/funds

3.9 For colleges Autonomy  CPE  DBT Star Scheme

INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	2	1	-	-	7
Sponsoring agencies	-	-	-	-	-

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

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency  From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

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
8	2	2	2	-	1	1

3.18 No. of faculty from the Institution who are Ph. D. Guides   
and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events:

University level	5	State level	69
National level	Nil	International level	Nil

3.22 No. of students participated in NCC events:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.23 No. of Awards won in NSS:

University level	Nil	State level	1
National level	Nil	International level	Nil

3.24 No. of Awards won in NCC:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.25 No. of Extension activities organized

University forum	Nil	College forum	-		
NCC	Nil	NSS	3	Any other	4

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

- Support for Dialysis for Kidney patients
- Supporting homeless people for building houses
- Educational programme for Autism hit students
- The Department of CSE conducted several orientation sessions and hand-on experience programmes for the people in Mookkannoor Panchayath on Digital transactions in Banking in line with the Prime Minister's Digitization programme.
- Conducted technology awareness programme in terms of exhibition for public, technology quiz for school students and tech fests
- Spent a day in orphanage and interacted with them and motivated them the less privileged
- Conducted 'Social Sensitization Programme' at De Paul SSSMILE Cultural Centre village which is an old home and orphanage. The first year MBA students organized a fund raiser, distributed books and cloths and interacted with the inmates on June 15, 2017.

## 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 in sq. m	101789.16		College	
Class rooms	48	21	College	
Laboratories	71	3	College	
Seminar Halls	4		College	
No. of important equipment purchased (≥ 1-0 lakh) during the current year.	-	6	College/(MHRD)	
Value of the equipment purchased during the year (Rs. in Lakhs)		11,98,083/-	Management	
Others				

#### 4.2 Computerization of administration and library

- College office and administration procedures fully automated
- Faculty and students list updated
- The Central Library fully digitized
- Campus Networked

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	66954	1,88,54,362	4899	17,82,125	71853	2,06,36,487
Reference Books	15451	43,51,028	1071	3,89,601	16522	47,40,629
e-Books	-	-	-	-	-	-
Journals	267	5,42,520			267	5,42,520
e-Journals	5000	24,41,975	700	3,02,080	5700	27,44,055
Digital Database	-	-	-	-	-	-
CD & Video	2500	2,50,000	88	8,800	2588	2,58,800
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depts.	Others
Existing	1000	16	140 Mbps	11	09	20	24	15
Added	200	1	100 Mbps	--	--	05	06	6
Total	1200	22	240 Mbps	11	09	25	30	21

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

Internet facility is available in all the computers. Training Programs were conducted on Networking and E Governance.

4.6 Amount spent on maintenance in lakhs :

i) ICT	6,20,244
ii) Campus Infrastructure and facilities	44,64,010
iii) Equipment	9,53,028
iv) Others	1,97,918
<b>Total :</b>	<b>62,35,200</b>

## Criterion – V

### 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- IQAC took initiative to publicize various student support services
- A Grievance Redressal Cell is functioning.
- Complaint boxes are placed at various places so as to receive complaints and suggestions from students.
- Took necessary steps in rectifying the deficiencies based on the feedback of the students.
- Green Campus awareness and Health care awareness
- Sports activities

5.2 Efforts made by the institution for tracking the progression

- The details of students pursuing higher studies are collected by the individual departments
- The details of students who got placed in various companies are kept in the placement cell.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2366	612	-	-

(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	1657	56		1321	44

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1826	68	1	1147	Nil	3042	1706	62	-	1209	1	2978

Demand ratio - 1: 4      Dropout % - 0.03

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- GATE Coaching done by EIE and ME departments
- Aptitude Coaching by ME department
- Career guidance and Placement Training by the Placement Cell and the Department of Business Administration

No. of students beneficiaries

#### 5.5 No. of students qualified in these examinations

NET	<input type="text" value="Nil"/>	SET/SLET	<input type="text" value=""/>	GATE	<input type="text" value="13"/>	CAT	<input type="text" value="3"/>
IAS/IPS etc	<input type="text" value="1"/>	State PSC	<input type="text" value="3"/>	UPSC	<input type="text" value="2"/>	Others	<input type="text" value="Nil"/>

#### 5.6 Details of student counselling and career guidance

- Centralized Counselling is given by two qualified Counsellors (male and female)
- Training for successful group discussions and Personal interview in the Department of Business Administration.
- Counselling and career guidance being given by the Group Advisors.
- The Department of Electronics and Instrumentation arranged counselling sessions by a qualified doctor.

No. of students benefitted



### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
45	547	320	21

### 5.8 Details of gender sensitization programmes

Women's day celebrated where talk on gender issues was given on March 8, 2017  
 IEEE Cell Women in Engineering wing conducted a programme – SHE 2017 for

### 5.9 Students Activities

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

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

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

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	170	77,00,775
Financial support from government	451	1,35,42,000
Financial support from other sources	628	1,15,75,000
Number of students who received International/ National recognitions	1	US \$ 2000

### 5.11 Student organized / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

## Criterion – VI

### 6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

**VISION-** To create a world class professional institute with focus on excellence, shaping committed global professionals and technocrats to meet the demands of business, industry and research.

**MISSION-** FISAT strives for transforming the institution into an advanced centre in Technical Education, which, in turn, will bring out professionals with superior skill and social commitment. It is the earnest endeavor of the Institution to provide state-of-the-art facilities to mould brilliant young talents, enabling them to take up challenging assignments in the highly competitive global scenario.

6.2 Does the Institution have a management Information System -

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

6.3.1 Curriculum Development

- Group Advisory system
- Conduct of Module tests
- Academic Performance Monitoring by (APMC)
- Remedial Coaching
- Invited lecture by experts from industry and academia

6.3.2 Teaching and Learning

- NPTEL Courses done faculty and students being monitored
- FDP's conducted
- Workshops lab conducted
- The Department of Business Administration introduced the following
  1. Honorary Corporate Professorship programme
  2. International Speaker Series
  3. International Industrial Visit and Certification Programme by foreign university.

### 6.3.3 Examination and Evaluation

- Series tests are conducted centrally following the same procedure of the University examinations
- Evaluations are done uniformly and open house programmes are conducted with the support of the PTA

### 6.3.4 Research and Development

- College Research Cell is supervising the research activities
- A FABLAB has been installed with the partial financial help from the Kerala Technological University which helps research at different stages.
- A mobile FABLAB has been started
- The Research Journal is waiting for getting the title approval Govt. of India

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- State of the art facilities are provided in the Central library
- More volumes and titles have been purchased.
- E-journals purchased
- Book bank system continues
- ICT enabled teaching learning method is followed.
- More built up area has been made available
- More facilities in the Hostels have been added

### 6.3.6 Human Resource Management

- Orientation programmes have been arranged
- Punching before and after work every day has been introduced for all staff.
- Newly appointed staff were given special orientation

### 6.3.7 Faculty and Staff recruitment

- 13 teaching staff have been appointed in the vacancies aroused due to retirement of faculties and discontinuance of teachers.
- 11 Non-teaching/technical staff have been appointed

### 6.3.8 Industry Interaction / Collaboration

In the Department of Business Administration, a lecture series by industry experts and Honorary Corporate Professorship programme were introduced.

### 6.3.9 Admission of Students

- Management quota admissions have been done strictly on merit basis, following the central allotment process.
- Govt. quota admissions are done as per the Central Allotment Process of the Government of Kerala

### 6.4 Welfare schemes for

<i>Teaching &amp; Non teaching</i>	<ol style="list-style-type: none"> <li>1. Medical Insurance</li> <li>2. Financial Loans</li> <li>3. Transportation and food subsidy</li> <li>4. Quarters</li> <li>5. Compliments on important occasions</li> <li>6. Financial help towards Staff tours</li> <li>7. Subsidy for Annual Health Check-up</li> <li>8. Subsidy for purchasing laptop</li> </ol>
Students	Medical Insurance Scholarships

### 6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes  No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	KTU	Yes	KTU
Administrative	Yes	ISO	Yes	ISO

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

For UG Programmes Yes  No

For PG Programmes Yes  No

### 6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

NA

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The present policy of the Government and University does not grant autonomy to any private self-financing engineering college

6.11 Activities and support from the Alumni Association

- Support towards placement for the present students
- There is a programme called back to the campus by the Alumni Association
- Sharing experience, useful for students to choose career.

6.12 Activities and support from the Parent – Teacher Association

- Instituted merit scholarships of worth 4 lakhs
- PTA extends full support in all student related activities including the maintaining discipline in the campus.
- Partial financial support for placement training
- Supporting extra and co-curricular activities.

6.13 Development programmes for support staff

- Health awareness programme conducted for support staff
- Programme of Relation building
- Professional Training

6.14 Initiatives taken by the institution to make the campus eco-friendly

- 5 acres of land set apart for agriculture and farming
- Polyhouse farming
- Aquaponics
- Aqua culture farming
- Taping of solar energy
- Sewage Treatment Plant

## 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.

- Academic Performance Monitoring is done effectively
- Central Repository introduced to collect the details of all events conducted by departments
- Camera surveillance introduced.
- Remedial Classes made more effective.
- Innovation Entrepreneurial Development Cell invited ideas and facilities provided.

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

Reports on the actions taken on various resolutions taken in the IQAC meetings are circulated and presented. The reports are forwarded to the Management as well.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. Innovation and Incubation Centre is set up to identify more ideas and to provide facilities for developing the ideas to product; which functions 24x7.
2. Promote internship for students which helps them to understand the real world problem and know the industry environment and enhance employability

7.4 Contribution to environmental awareness / protection

- Trees planted
- The Nature Club of FISAT (SWAN) conducted awareness programme
- Better management of Energy with integrated solar power plant
- STP for proper sewage disposal.

7.5 Whether environmental audit was conducted? Yes  No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

The institution is ISO Certified for the past 15 years. The systems and procedure are followed now are ISO 9001: 2015 Certified.

**8. Plans of institution for next year**

- Improve the academic output
- Enhance research output making use of the computing facility and Fablab
- SWOC Analysis
- General feedback from all stake holders and act on the feedback
- NBA Accreditation

*Sd/-*

**Dr. Sunny Kuriakose A**

*Signature of the Coordinator, IQAC*

*Sd/-*

**Dr. George Issac**

*Signature of the Chairperson, IQAC*

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