

# **ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2016-17**

**Submitted by**



**Toc H INSTITUTE OF SCIENCE & TECHNOLOGY**

ARAKKUNNAM, ERNAKULAM, KERALA

to

**NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL BANGALORE**

# The Annual Quality Assurance Report (AQAR) of the IQAC

## Part – A

### 1. Details of the Institution

1.1 Name of the Institution

Toc H INSTITUTE OF SCIENCE & TECHNOLOGY

1.2 Address Line 1

ARAKKUNNAM

Address Line 2

ERNAKULAM

City/Town

COCHIN

State

KERALA

Pin Code

682 313

Institution e-mail address

mail@tistcochin.edu.in

Contact Nos.

(0484) 2748388, 2749600, 2738126

Name of the Head of the Institution:

**Prof.(Dr.) Preethi Thekkath**

Tel. No. with STD Code:

(0484) 2748388, 2749600, 2738126

Mobile:

9946509900

Name of the IQAC Co-ordinator:

Assi. Prof. Mangala Devi K.T

Mobile:

9947303152

IQAC e-mail address:

naac.tist@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

KLCOGN 14671

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)

EC/59/A&A/59 dated 21-4-2012

1.5 Website address:

www.tistcochin.edu.in

Web-link of the AQAR:

[http://tistcochin.edu.in/committees\\_and\\_cells/](http://tistcochin.edu.in/committees_and_cells/)

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.71	2012	2012-2017

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

21/06/2010

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 ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 2012 -13 submitted to NAAC on 31-07-2013
- ii. AQAR 2013 -14 submitted to NAAC on 11-07-2018
- iii. AQAR 2014 -15 submitted to NAAC on 11-07-2018
- iv. AQAR 2015 -16 submitted to NAAC on 11-07-2018

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)

.

1.12 Name of the Affiliating University (*for the Colleges*)

COCHIN UNIVERSITY OF SCIENCE & TECHNOLOGY

A P J ABDUL KALAM UNIVERSITY

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence  UGC-CPE

DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other ( <i>Specify</i> )	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="15"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="1"/>
2.3 No. of students	<input type="text" value="0"/>
2.4 No. of Management representatives	<input type="text" value="0"/>
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="0"/>
2.8 No. of other External Experts	<input type="text" value="3"/>
2.9 Total No. of members	<input type="text" value="21"/>
2.10 No. of IQAC meetings held	02
2.11 No. of meetings with various stakeholders:	
No.	<input type="text" value="0"/>
Faculty	<input type="text" value="0"/>
Non-Teaching Staff	<input type="text" value="0"/>
Students	<input type="text" value="0"/>
Alumni	<input type="text" value="0"/>
Others	<input type="text" value="0"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text"/>

2.13 Seminars and Conferences (only quality related)

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

	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total Nos.	International	National	State	Institution Level	

2.14 Significant Activities and contributions made by IQAC

- IQAC Suggest participation of eligible M.Tech students for the Placement.
- IQAC recommended to make question bank for all the subjects and given to students.
- IQAC monitored NBA Accreditation Process

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 \*

Plan of Action	Achievements
• Separate Counseling Room	• Initiatives were taken by the construction wing of the college.
• Mock Audit for NBA	• An internal Mock Audit for NBA was conducted.
• Date of Installation and details of Equipments in the Lab should be displayed in the lab.	• Date of Installation and details of Equipments were displayed in the Lab
• Placement for M.Tech students	• Necessary Action taken By the Placement Officer
• Library Usage	• Extra Library hour is given to Students
• IA Exam	• Suggestions of IQAC were implemented
• FDP	• FDPs are conducted all departments during the semester Break
• Question Bank for KTU Students	• Question Bank for all the 6 modules are given to the students

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

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	0	0	0	0
PG	8	0	8	0
UG	7	0	7	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	0	0	0	0
<b>Total</b>	15	0	15	0
Interdisciplinary				
Innovative				

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

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	15
Trimester	0
Annual	0

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.

Revision carried at the University Level

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

NO

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
160	129	13	18	0

2.2 No. of permanent faculty with Ph.D.

23

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
4	-	2	-	0	-	0	-	5	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

1	0	0
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	9	40
Presented papers	5	7	0
Resource Persons	0	0	5

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

- Course handouts of each subject is given to students in the beginning of the semester
- Question Bank & Answer Key for all subjects is prepared and given to students.
- Remedial class is given to weak students
- Tutorial Hours are given for difficult subject.

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

150

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

NIL



		Board of Study	Syllabus development
2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop	NIL	1	2

2.10 Average percentage of attendance of students 89%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
MTECH (VISI And Embedded Systems Design)	5	100	0	0	0	100
MTECH Wireless Technology)	7	71.43	28.5	0	0	100
MBA	51	2.0	90.2	0	0	92.15
MTECH(Computer Science & Engineering-Data Security)	4	100	0	0	0	100
MTECH (Power Electronics)	7	100		0	0	100
MTECH(Thermal Engineering)	2	50	50	0	0	100
MTECH (Construction Engineering And Management)	20	55	45	0	0	100
BTECH( Electrical & Electronics Engineering)	45	6	21	0	0	60
BTECH(Electronics & Communication Engineering )	104	13	53.84	0	0	67.3
BTECH( Civil Engineering)	59	42	42	-	-	84.7
BTECH( Information Technology)	42	14.28	40.47	0	0	54.76
BTECH( Mechanical Engineering)	63	7.94	60.31	0	0	68.25
BTECH( Computer Science & Engineering)	60	17	43	0	0	60
BTECH( Safety and Fire Engineering)	51	3.9	39.2	7.8	0	50.98

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

- Analysing Internal Assessment Result and suggesting measures for improvement.
- Analysing student feedback and suggesting HODs to take measures.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	32
UGC – Faculty Improvement Programme	0
HRD programmes	0
Orientation programmes	4
Faculty exchange programme	1
Staff training conducted by the university	16
Staff training conducted by other institutions	11
Summer / Winter schools, Workshops, etc.	7
Others	0

#### 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	76	0	0	0
Technical Staff	82	0	0	0

## Criterion – III

### 3. Research, Consultancy and Extension

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

- IQAC encourage teachers to publish papers in National & International Journals.
- All departments have been encouraged for doing Research

#### 3.2 Details regarding major projects

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

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		2		
Outlay in Rs. Lakhs		0.8		

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	1		
Non-Peer Review Journals			
e-Journals	37		
Conference proceedings			

#### 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 organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (Lakhs)	Received (Lakhs)
Major projects				
Minor Projects	2016-17	Institution of Engineers India	0.5	1.5
	2016-19	Institution of Engineers India	1.5	0.3
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)				
Total			2	0.8

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	1	1			
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	0
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

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
0						

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

6
2

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

1
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3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF	0	SRF	0	Project Fellows	0	Any other	0
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3.21 No. of students Participated in NSS events:

University level	52	State level	0
National level	0	International level	0

3.22 No. of students participated in NCC events:

University level	0	State level	0
National level	0	International level	0

3.23 No. of Awards won in NSS:

University level	0	State level	0
National level	0	International level	0

3.24 No. of Awards won in NCC:

University level	0	State level	0
National level	0	International level	0

3.25 No. of Extension activities organized

University forum	0	College forum	0		
NCC	0	NSS	6	Any other	0

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

- NSS volunteers and students visited an Old age home in Mamalakavala. They conducted fun games and had interaction sessions with them.
- Road Safety Seminar: Issues and Solutions-To highlight the importance and create awareness on traffic rules, a Session on Road Safety: Issues and Solutions was conducted by Mr. Upendranarayanan, CEO, IIRS to create awareness on the importance of Road Safety.
- Lahari Vimukta Keralam- A session throwing light on the importance of Drug abuse and its impacts was conducted in association with Excise Department, Kerala. Mr. Sunil Thomas, Sub Inspector of police inaugurated the programme and Mr. Job, Excise Department handled the session.

## 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	26.08Acres	-	Management	26.08Acres
Class rooms	48	3		51
Laboratories	47	3		50
Seminar Halls	5	1		6
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)		5.892		
Others				

#### 4.2 Computerization of administration and library

.College Administration and Library Department is fully computerized.

- Library Management System (LMS) software is used in the computerization of the library.
- Well- arranged Digital Library with 25 systems and a projector with screen and speakers. NPTEL Videos, DELNET & IEEE E-learning materials are available

#### 4.3 Library services:

	Existing		Newly added		Total		
	No.	Value	No.	Value	No.	Value	
Text Books	32023	1297699 4	2560	1164610	34583	14141604	
Reference Books	11570	5350688	1029	468422	12599	5819110	
e-Books	e books from e journals ,DELNET &NDL Library						
Journals	1252	1818703	165	291026	1417	2109729	
e-Journals		8411836	3	611544	3	9023380	
Digital Database	Seminar Report	595	0	48	0	643	0
	Project Report	659	0	102	0	761	0
	Question Papers	345	0	69	0	414	0
CD & Video	1383	0	116		1499	0	
Others (specify)	2000+2.5 tb			2000+2.5 tb			

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	607	14	29Mbps	1	1	1	11	
Added	30	0	18Mbps				0	
Total	607	14	47Mbps	1	1	1	11	

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

- Every Department is equipped with Computer with Printer and Internet access.
- Wi-Fi Enabled Campus.
- On seniority basis Laptops are given for Faculty.
- Faculty can store their Data in College Server.
- In the hostel also providing Wi-Fi Facility.

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	<input type="text"/>
ii) Campus Infrastructure and facilities	<input type="text"/>
iii) Equipments	<input type="text"/>
iv) Others	<input type="text"/>
<b>Total :</b>	<input type="text" value="35.49 Lakhs"/>

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Placement cell Enhance the training for the Final year students

IQAC motivate the students to involve in College activities

#### 5.2 Efforts made by the institution for tracking the progression

Personal guidance and Academic Guidance is offered through mentors

Each class has at least 2 class teachers and they monitor the student Activity. They encourage Weak students to attend Remedial Class

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1808	163	0	0

#### (b) No. of students outside the state

3

#### (c) No. of international students

8

Men	No	%	Women	No	%
	1242	63		723	37

Last Year(2015)						This Year(2016)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1065	68	0	1043	1	2177	883	55	0	1032	1	1971

Demand ratio

Dropout %

$$14/1971*100=0.71\%$$

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

GATE Coaching are organised for Final year students By few Departments. The Classes are held in Saturdays

No. of students beneficiaries

12



5.5 No. of students qualified in these examinations

NET	0	SET/SLET	0	GATE	12	CAT	0
IAS/IPS etc	0	State PSC	0	UPSC	0	Others	0

5.6 Details of student counselling and career guidance

Placement training are given to final year & pre final year students Regularly

No. of students benefitted 223

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
24	275	195	28

5.8 Details of gender sensitization programmes

1. NSS unit, CSE and IT departments, TIST in association with CSI Cochin Chapter, Women’s cell of the college conducted a two week free course on basic computer training for the housewives from 23th May– 3<sup>rd</sup> June 2016Computer Training for Hose Wives.
2. As part of the Women’s Day Celebration , the Women’s Cell of TIST organized a Talk on **NIRBHAYA : Women’s Safety** which was conducted by MTech students of CSE for the BTech ,MTech and MBA female students on 8<sup>th</sup> March 2017 . It was a two hour session with emphasis on women safety , cyber safety , live videos regarding cyber abuse cases and the steps to be taken in case of emergencies . Nearly Hundred female students participated in the informative session.
3. Self Defense for Women-A session on self defense for women was conducted in association with Mulanthuruthy Police Station.

## 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	44	
Financial support from government	102	
Financial support from other sources		
Number of students who received International/ National recognitions		

### 5.11 Student organised / 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: \_\_\_\_\_NIL\_\_\_\_\_

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

##### OUR VISION

To become a globally recognized institution that develops professionals with integrity who excel in their chosen domain making a positive impact in industry, research, business and society.

##### OUR MISSION

To provide the ambience necessary to achieve professional and technological excellence at the global level.

To undertake collaborative research that fosters new ideas for sustainable development.

To instil in our graduates ethical values and empathy for the needs of society.

#### 6.2 Does the Institution has a management Information System

YES, The institute has its own in-house developed management information system in Library and Administration

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

##### 6.3.1 Curriculum Development

Effectiveness of the curriculum is done through feedback from faculty students, alumnae, Employers and members of the academic Advisory Committee. From the suggestions more workshops and seminars are conducted extra topics on subjects are taken

### 6.3.2 Teaching and Learning

The college has been a pioneer in introducing and following Bloom's Taxonomy as the pedagogy in the year 2004. Our teachers have been practicing Bloom's Taxonomy for the past 12 years. We have started practicing the Revised Bloom's Taxonomy and CLP model of teaching learning process. Teachers also adopt innovative teaching practices like quiz programmes, modeling, seminars etc. in the class room to make teaching process more effective.

The college has adopted **National Programme on Technology Enhanced Learning (NPTEL)** designed by IITs to bring up the teaching standards to the level of higher institutions of learning.

**IUCEE** live webinars were conducted on topics like Pathways to Innovation, Students involvement in Engineering Education, etc.

The **E-outreach programme by IIT-Bombay** chose TIST as one of its remote centres which gives training programmes covering various topics of relevance to different disciplines. Two registered team from TIST were selected in the HACKATHON event of IIT Bombay.

**ICTAK** conducted various training programs, FDPs, recruitment drives for competitive development for faculty and students in TIST.

### 6.3.3 Examination and Evaluation

Internal Examination is conducted through IA Cell and Results are published in the notice board of the department within ten days of the exam and scheme of valuation is given to the student

### 6.3.4 Research and Development

R & D Department in the college monitor research Project

### 6.3.5 Many projects are funded by External agency

- Hostel Accommodation for girls & Boys.
- Transportation facility for all the route.
- Canteen Facility
- Wi-Fi Campus
- Additional facility for disabled students
- Campus is under the surve of CCTV
- Parking facility for student

#### 6.3.6 Human Resource Management

- New principal joined.
- At the end of each semester workload for the next semester is prepared.
- Orientation for new faculty.
- Onam and Christmas celebrations are organized for Teaching and Non Teaching staff

#### 6.3.7 Faculty and Staff recruitment

Appointments are made by management obeying KTU and AICTE Norms

#### 6.3.8 Industry Interaction / Collaboration

- a. MoU with Oracle Academy
- b. Local Academy of CISCO
- c. Infosys Ltd.
- d. Information and Communication Technology Academy of Kerala (ICTAK)
- e. KITCO for skill training
- f. KELANIYA University , Sreelanka
- g. Agilent Technologies, Intel Technologies
- h. Enviocare India Pvt.Ltd.,Madurai, TamilNadu
- i. Fire and Security Association of India Technolodge, Kakkor
- j. VSB Technical University of Ostrav of Czech Republic
- k. Oracle Academy
- l. CITS
- m. BRCORPS, Singapore
- n. MoU request placed with University Technologies Malaysia. INT international University, Malasiya
- o. Holmark Opto-Mechatronics P Ltd.
- p. Centre for Development of Advanced Computing, Vellayambalam, TVM
- q. Tata Consultancy Services Ltd (TCS).
- r. CADD Centre Training Services Pvt. Ltd.
- s. DAIKIN

**For B.Tech**

The seats under **Govt. quota** will be allotted by the Commissioner for Entrance Examinations, based on KEAM rank

➤ **Eligibility**

1. Nationality: Indian
2. Age: completed 17 years
3. Qualifications:
  1. 50% marks in Mathematics and 50% marks in Physics, Chemistry & Mathematics put together
  2. The candidate should qualify KEAM
4. Reservation category: Rules as specified in KEAM-prospectus

The seats under **Management quota** will be allotted by the Institute, based on XII standard marks and KEAMrank. In case the candidate has not appeared or is disqualified in KEAM, KEE ranking will be considered.

A rank list will be prepared from the received applications on the basis of merit and the date of admission will be intimated to the selected candidate.

**Eligibility**

1. Nationality: Indian
  2. Age: completed 17 years
  3. Qualifications:
    1. XII standard marks: 45% marks in Physics, Chemistry & Mathematics put together.
    2. The candidate should qualify KEAM. In case the candidate has not appeared or is disqualified in KEAM, KEE ranking will be considered.
- The seats under **NRI quota** will be allotted by the Institute, based on XII standard marks
  - THERE IS NO CAPITATION FEE OR DONATION FOR ADMISSION UNDER NRI QUOTA

**Eligibility**

1. Nationality: Indian
2. Age: completed 17 years

**Qualifications:**

1. XII standard marks: 45% marks in Physics, Chemistry & Mathematics put together.

## **For. M.Tech**

### **Eligibility**

1. The candidate should be an Indian National.
2. The candidate should have studied the graduate course in an institution approved by the AICTE.
3. The candidate should have a Bachelor's Degree in Engineering/Technology in the respective branch, awarded by any University in the State of Kerala or equivalent, as approved by the concerned Universities.
4. The candidate should have a minimum of 60% aggregate marks or equivalent in the Bachelors Degree Examination. For SC/ST candidates a pass in the Bachelors Degree Examination is sufficient.
5. Candidates having valid GATE score are preferred.
6. Candidates who have passed AMIE/AMIE Examination and satisfying the following conditions are eligible for admission.

a. They must have valid GATE Score.

b. A minimum marks of 55% for the section B in AMIE/AMIETE examination.

c. Minimum 3 years of professional experience in the field of specialization after acquiring the qualifying degree.

7. The candidate should have registered themselves at Directorate of Technical Education (DTE), Govt. of Kerala and should have obtained a DTE ranking.

8. Candidates who have appeared for the final examination may also apply subject to the condition that the results are made available at the time of admission.

## **For. MBA**

The eligibility for admission for MBA as per Govt. of Kerala & University norms. Candidates with B.Tech/any other degree with minimum 50% of marks in aggregate.

Selection procedure based on performance of scores in CAT conducted by CUSAT or MAT by AIMA and Group Discussion & Interview conducted on our campus.

### 6.4 Welfare schemes for

Teaching	Gratuity, Life Insurance
Non teaching	Gratuity, Medical insurance, ESI
Students	Insurance, Merit 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) have been done?

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

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?

NA

6.11 Activities and support from the Alumni Association

- College has an Alumni Cell, which consolidate Alumni information collected from various departments,
- Technical advisory group meetings are conducted to strengthen the ties between alumni and Institute
- To inspire the regular students by conducting talks by Alumni.



#### 6.12 Activities and support from the Parent – Teacher Association

- To facilitate parental participation in college provide pastoral care to the college community.
- Carry out fund raising ventures.
- Function for welfare and education of the students

#### 6.13 Development programmes for support staff

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

- Tobacco free Campus
- To make the Campus Greenery large number of trees are planted
- Parking facilities are earmarked for students & Staff
- Rain water harvesting is provided
- Solar energy is used in the Computer Lab and Library

### **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.

- Research & Supercomputing Facility.
- Kerala's first industrial Lab in Air Conditioning setup by DAIKIN.
- Indo Universal collaboration for engineering education Live Webinars.

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

Plan of Action	Achievements
<ul style="list-style-type: none"> <li>Separate Counseling Room</li> </ul>	<ul style="list-style-type: none"> <li>Initiatives were taken by the construction wing of the college.</li> </ul>
<ul style="list-style-type: none"> <li>Mock Audit for NBA</li> </ul>	<ul style="list-style-type: none"> <li>An internal Mock Audit for NBA was conducted.</li> </ul>
<ul style="list-style-type: none"> <li>Date of Installation and details of Equipments in the Lab should be displayed in the lab.</li> </ul>	<ul style="list-style-type: none"> <li>Date of Installation and details of Equipments were displayed in the Lab</li> </ul>
<ul style="list-style-type: none"> <li>Placement for M.Tech students</li> </ul>	<ul style="list-style-type: none"> <li>Necessary Action taken By the Placement Officer</li> </ul>
<ul style="list-style-type: none"> <li>Library Usage</li> </ul>	<ul style="list-style-type: none"> <li>Extra Library hour is given to Students</li> </ul>

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

- TIFERS** (TIST Foundation for Economically Backward Rural Students)

*\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- To instil the importance of organic cultivation, green chilli and gourd cultivation was done in boys and girls hostel. NSS volunteers and other students prepared 10 grow bags in each hostel.

7.5 Whether environmental audit was conducted?

Yes

No

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

Nil

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

- Reduce the intake of ECE and IT Branch.
- Preparation for NBA Visit
- Improvement of the Result

*Name: Assi. Prof. Mangala Devi K.T  
Department of EEE*

*Name \_Prof.(Dr.)Preethi Thekkath  
Principal*

*Signature of the Coordinator, IQAC*

*Signature of the Chairperson, IQAC*

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