Kumaraguru College of Technology, Coimbatore

Annual Quality Assurance Report 2017-18

The Annual Quality Assurance Report (AQAR) of the IQAC for 2017-18

Part – A

1. Details of the Institution

1.1 Name of the Institution	Kumaraguru college of Technology
1.2 Address Line 1	Chinnavedampatti Post
Address Line 2	-
City/Town	Coimbatore
State	Tamil Nadu
Pin Code	641 049
Institution e-mail address	1) info@kct.ac.in 2) principal@kct.ac.in
Contact Nos.	1) 0422-2661100 2) 0422-2661121
Name of the Head of the Institution:	Dr.J.Senthil
Tel. No. with STD Code:	0422-2661122
Mobile:	9487700830

Name of the IQAC Co-ordinator: Dr.S.Selvanayaki

Mobile: 9600989004

IQAC e-mail address: head.audit@kct.ac.in

1.3 **NAAC Track ID:** TNCOGN13763

1.4 **NAAC Executive Committee No. &Date:** F.No.19.26/EC(SC-19)/DO/2016/7.2,dated 2nd December 2016

1.5 Website address: www.kct.ac.in

Web-link of the AQAR: http://www.kct.ac.in/wp-content/uploads/2018/10/AQAR-2017-18.pdf

1.6 Accreditation Details: NAAC

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.67	2009	5 Years
2	2nd Cycle	A	3.21	2016	5 Years
3	3rd Cycle	-	-	-	-
4	4th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC: 09/06/2009

1.8 AQAR for the year 2017-2018

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

i. AQAR2016 -17 on 08.01. 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 AICTE Yes ✔ No -

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 ✔

1.11Type of Faculty/Programme

Arts - Science - Commerce - Law - PEI (Phys Edu) -

TEI (Edu) - Engineering ✔ Health Science - Management ✔

Others (Specify) --

1.12Name of the Affiliating University Anna University, Chennai

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	--	UGC-CE	--
UGC-Special Assistance Programme	--	DST-FIST	--
UGC-Innovative PG programmes	--	Any other (*Specify*)	--
UGC-COP Programmes	--		

2. IQAC Composition and Activities

2.1 No. of Teachers 16

2.2 No. of Administrative/Technical staff 2

2.3 No. of students	2
2.4 No. of Management representatives	1
2.5 No. of Alumni	1
2.6 No. of any other stakeholder and Community representatives	1
2.7 No. of Employers/ Industrialists	-
2.8 No. of other External Experts	-
2.9 Total No. of members	21
2.10 No. of IQAC meetings held	2

2.11 No. of meetings with various stakeholders: No. 3 Faculty 2

Teaching Staff and Students 4 Alumni 5 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 No's. 16 International - National - State - Institution Level 16

(ii) Themes

- Awareness of NBA accreditation
- Outcome-based education
- Teaching pedagogy
- Writing Proposals for grants
- Quality of the question paper with revised Blooms taxonomy
- Building sustainable Industry Partnership

2.14 Significant Activities and contributions made by IQAC

- Induction Training Programme for the newly recruited faculty members to orient them on using Revised Bloom's Taxonomy and the scientific teaching structure to adapt to KCT's inbuilt academic systems
- OBE Awareness programme for students to groom their knowledge/skill/ attitude to get prepared for the careers of their choice.
- Training Programme for faculty members to contribute tothe accreditation process.
- Effective Implementation of FCLF (Flexible and Comprehensive Learning Framework) for students to gain wider exposure to various disciplines outside their domain.
- Training for faculty members in areas such as teaching Pedagogy, activity based and Experiential Learning with Educational Technology
- Academic audit - every semester.
- Activities for enhancing Placement and skill development among the student community.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC at the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year are

Plan of Action	Achievements
Admission and profiling of students through ERP	Process developed and implemented
Parking facilities	Upgraded
Revamping of UG curriculum and syllabus for 2018-19 batch	Framed
Revamping of PG curriculum and syllabus	Framed
Implementation of FCLF	By offering 52 courses in an odd semester and 42 courses in an even semester
Winter and summer track courses for failures	Implemented
Increasing linkages with industry	Increased

2.16 Whether the AQAR was placed in the statutory body: Yes [✔] No [ ]

Management [✔] Syndicate [-] any other [-]

Provide the details of the action taken:

- Measures have been taken to improve the results by identifying weak learners and conducting special classes. Winter and summer track classes were conducted for students having arrears to facilitate them
- Steps have been taken to improve the scientific publications in reputed journals by sponsoring for publication and attending the internationalconference to provide a better platform for research. It was recommended that every faculty should try to publish their research papers in high impact factor Scopus indexed Journals or Science Citation Index (SCI) journals.

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	9	2	11	-
PG	14	-	14	-
UG	13	-	13	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	36	2	38	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Professional Core/ Professional Elective / Open Elective /Employability Enhancement Courses

(ii) Pattern of programmes:

Pattern	**Number of programmes**
Semester	27 (All UG & PG programmes)
Trimester	-
Annual	-

1.3 Feedback from stakeholders*Alumni [✔] Parents [✔] Employers [✔] Students [✔]

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

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

Yes. Kumaraguru College of Technology has utilized the autonomy granted by developing modern curricula catering to produce graduates of the highest caliber. KCT has as its curricular goals to provide a strong academic foundation and integration of courses, offer flexibility to students in the selection of courses and mold them into responsible global-citizens driven by a strong value system. Towards that, a group of faculty worked to create a framework upon which departments will offer their courses. The team conducted extensive discussions among members of the faculty, Heads of departments, Unit Heads, Students, Student Leadership Committees, Alumni, and Experts from other Organizations, Industry, and faculty of Foreign Institutions to form the basis of the proposals. Inputs are also taken from surveys that are carried out among stakeholders, along with a critical review of the current curricula administered at leading academic institutions in our country and abroad.

Engineering

The Board of Studies of the various programmes are responsible to prepare the plan of syllabi and syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and the national requirement for consideration and approval of the Academic Council and also to suggest methodologies for innovative teaching and evaluation techniques. The departments prepare the curricula based on current developments in the area of the programme, skill expectations of the industry and the needs of the students for higher education.

- Introduction of Fast/Extended tracks to enable students to pace their studies
- Attendance waiver for students with CGPA above 8.75
- Introduction of experiential project-based learning in the curriculum
- Kumaraguru College of Technology along with the Technology-business incubator-FORGE introduced a Prototyping Semester a first-of-its-kind program in India. Students are trained under industry experts to create prototypes for Industry supplied problems and are mentored to launch start-ups. Students in the 3rd/4thyear of engineering can devote the entire semester (5th/6th/7th/8th) completely for prototyping, aimed at building a Minimum Usable Prototype (MUP) for solving a real-world problem.
- Electives grouped as streams/tracks
- Options for Professional/Technical certifications/MOOCS/Internships/ Minor specializations/ Internships
- Introduction of summer and winter tracks to enable students to relearn courses

- Introduction of extended track tracks to enable students to pace their studies
- One credit courses by industry experts

MBA

Cafeteria Approach in Credit System- Students can take the course of their own choice, learn at their own pace, undergo additional courses, do the multidisciplinary course.
Single Specialization Course with the option of completing a minor specialization.

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

- Department of Physics and Department of Electrical and Electronics Engineering has been recognized as Research Centre by Anna University, Chennai.
- KCT- FLUKE Centre of Excellence in Calibration was established in associationwith Fluke Corporation.
- Texas Instruments Centre of Excellence in signal processing was established in July 2017
- Natural Fibre Research Centre was initiated by the management of KCT.
- KCT- EZON Centre for Research in Renewable Energy was instituted with a funding of Rs. 12 lakhs by EZON Energy Solutions and Rs. 6 lakhs by the management of KCT.
- Centre of Excellence for Student Projects and Research in Salzer Electronics.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
408	309	47	52	-

2.2 No. of permanent faculty with Ph.D. 153

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
18	18	1	1	7	7	Nil	Nil	26	26

2.4 No. of Guest and Visiting faculty and Temporary faculty 15 | 13 | Nil

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	144	82	27
Presented papers	250	43	7
Resource Persons	18	17	48

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

Kumaraguru College of Technology has introduced numerous initiatives to enhance teaching-learning in the campus. A few are listed below:

- Flexible Comprehensive Learning Framework (FCLF) with flexibility in assessment patterns
- Skill development through Industry offered theory and lab courses
- Mathematics taught in labs using MATLAB
- Project-based learning
- Flipped classroom
- Kumaraguru College of Technology along with the Technology-business incubator-FORGE introduced a Prototyping Semester a first-of-its-kind program in India. Students are trained under industry experts to create prototypes for Industry supplied problems and are mentored to launch start-ups. Students in the 3rd/4thyear of engineering can devote the entire semester (5th/6th/7th/8th)

completely for prototyping, aimed at building a Minimum Usable Prototype (MUP) for solving a real-world problem

- Mentor/Mentee system is in place wherein a mentor (faculty) will be taking care of 20 mentees (students) in campus throughout their UG/PG Programme.
- Introduction of summer and winter tracks to enable students relearn the course
- Establishment of creative problem solving forums (IQube, Garage, Research Cell)
- Students are encouraged to build up their start-up business ideas within the campus - three student based start-ups(Namma Cafe, Munch Box, Olipadi)
- Introduced question paper formats that involve thought and analytical questions in the line of competitive exams like GATE

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)

- Online Examination Application and fee payment
- Optional arrears registration
- Question paper Scrutiny with external experts
- Soft copy of answer booklets
- Revaluation recommendation by faculty through online
- Introduction of Barcode system in the Answer Booklets
- Central Valuation using Dummy Number system
- Post Audit of End semester examinations,
- Students seating arrangement in online,
- Result publication through online and SMS to parents,
- CARE 360º -Student performance report (Semester wise) sent to parents

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

All faculty members (for every programme-, HoD, faculty representatives and course coordinators)are involved in the curriculum restructuring and syllabus development.

2.10 Average percentage of attendance of students | 89.15 |

2.11 Course/Programme-wise Distribution of pass percentage:

UG PROGRAMME:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E. CIVIL ENGINEERING	136	9.56	63.24	6.62	-	79.41
B.E. AERONAUTICAL ENGINEERING	64	6.25	50.00	20.31	-	76.56
B.E. MECHANICAL ENGINEERING	209	4.31	73.68	5.26	-	83.25
B.E. MECHATRONICS ENGINEERING	68	-	66.18	13.24	-	79.41
B.E. ELECTRICAL AND ELECTRONICS ENGINEERING	139	10.07	74.82	2.88	-	87.77
B.E. ELECTRONICS AND INSTRUMENTATION ENGINEERING	69	-	69.57	14.49	-	84.06
B.E. ELECTRONICS AND COMMUNICATION ENGINEERING	205	7.80	70.24	9.76	-	87.80
B.E. COMPUTER SCIENCE AND ENGINEERING	143	0.70	57.34	23.78	-	81.82
B.E. AUTOMOBILE ENGINEERING	71	1.41	74.65	4.23	-	80.28
B.TECH. INFORMATION TECHNOLOGY	67	4.48	55.22	13.43	-	73.13
B.TECH. TEXTILE TECHNOLOGY	54	3.70	51.85	3.70	-	59.26
B.TECH. FASHION TECHNOLOGY	67	2.99	74.63	8.96	-	86.57
B.TECH. BIO TECHNOLOGY	63	7.94	80.95	1.59	-	90.48

PG Programme

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.E. STRUCTURAL ENGINEERING	18	22.22	77.78	-	-	100
M.E. CAD / CAM	10	-	100.00	-	-	100
M.E. ENERGY ENGINEERING	5	20.00	40.00	-	-	60
M.E. INSUSTRIAL ENGINEERING	14	35.71	64.29	-	-	100
M.E. POWER ELECTRONICS ENGINEERING	7	42.86	57.14	-	-	100
M.E. EMBEDDED SYSTEMS	8	50.00	50.00	-	-	100
M.E. APPLIED ELECTRONICS	7	28.57	71.43	-	-	100
M.E. COMMUNICATION SYSTEMS	12	33.33	66.67	-	-	100
M.E. COMPUTER SCIENCE AND ENGINEERING	11	18.18	81.82	-	-	100
M.TECH APPAREL TECHNOLOGY	2	50.00	50.00	-		100
M.TECH TEXTILE TECHNOLOGY	3	66.67	33.33	-		100
M.TECH. BIO TECHNOLOGY	13	30.77	69.23	-	-	100
MASTER OF COMPUTER APPLICATIONS	72	5.56	81.94	-	-	87.5
MASTER OF BUSINESS ADMINISTRATION	179	-	85.47	0.06	-	86.03

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

IQAC monitor the academic process. Each student is assigned a mentor who monitors the progress of the students and guides them in their studies. They meet their mentors regularly on Wednesday of every week. The class committee meeting is conducted twice a semester to enhance the teaching-learning process. Feedback is collected from the students in the mid of the semester and any problems or discrepancies identified are rectified by HODs in order to enhance the quality. IQAC sets guidelines for this process and reviews it at the end of every semester. Regular auditing of the classes handled by faculty, the class notes and the laboratory classes are monitored at random without giving any prior intimation. Similarly, the question paper for internal Exams set by the faculty and the valued answer books are also audited.

2.13 Initiatives under taken towards faculty development:

Faculty / Staff Development Programs	*Number of faculties benefitted*
Refresher courses	130
UGC – Faculty Improvement Program	90
HRD programs	22
Orientation programs	51
Faculty exchange program	1
Staff training conducted by the university	49
Staff training conducted by other institutions	146
Summer / Winter schools, Workshops, etc.	211
Others	153

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	247	-	40	-
Technical Staff	159	-	7	-

Criterion – III

3. Research, Consultancy and Extension

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

- Initiating to organize National and International Conferences/Seminar/Workshops
- Arranging guest Lecture to facilitate knowledge in writing proposals and publishing research articles
- The progress of KCT's student research centres - iQube, Garage, Re' and industry research centres namely KC IRI and KCT TIFAC CORE
- Student Research cell Re' has been initiated and funding is given to student teams for research work which leads to the presentation of their work in leading institutions like IIT, SDC etc., and also for patenting any new products or processes developed by the students.
- The management supports by means of KCT internally funded Projects, Patent Cell, Research Workgroup etc., where funding and programs are conducted regularly. Financial assistance is given by the KCT Management for in-house projects up to Rs.1.50 Lakhs.
- The management supports the faculty by means of paying the registration fee and part travel expenses for participating in conferences at foreign countries and also payment of registration fee and travel expenses for participating conferences/FDP/STTP within India after the recommendation by the expert committee
- Product development and idea contest for faculty and students
- The faculty members who have contributed to research either through the publication of research papers in Scopus indexed journals or obtained research grants from funding agencies/Industries, the Research Awards are given every year by the management.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	03	01	03	26
Outlay in Rs. Lakhs	98.4	23.75	37	849.97

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	10	05	08	03
Outlay in Rs. Lakhs	4.19	14	5.00	5.35

3.4 Details on research publications

	International	National	Others
Peer Review Journals	441	33	
Non-Peer Review Journals	33	2	
e-Journals	23	10	
Conference proceedings	171	36	

3.5 Details on Impact factor of publications:

Range 0-6.93 Average h-index 31 Nos. in SCOPUS 374

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 (in Lakhs)	Received (in Lakhs)
Major projects	03	ICSSR, DBT, Ministry of Textiles	37	13.01
Minor Projects	02	UGC, DBT	17.5	12.75
Interdisciplinary Projects	-	-	-	-
Industry-sponsored	02	DRDL, Trident	20.414	17.37
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	01	TNSCST	0.551	0.551
FDP, Conference, Seminar, MODROBS, Entrepreneurship	-	AICTE, DST, DST-NIMAT	50.41	35.96
Total			125.875	79.64

3.7 No. of books published i) With ISBN No. 17 Chapters in Edited Books 14

ii) Without ISBN No. 1

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 RS. 265.87 Lakhs

3.11 No. of conferences Organized by the institution

Level	International	National	State	University	College
Number	7	13	0	0	4
Sponsoring agencies	-	IEEE, KCT			

3.12 No. of faculty served as experts, chairpersons or resource persons 131

3.13 No. of collaborations International 27 National 47 Any other 19

3.14 No. of linkages created during this year 49

3.15 Total budget for research for current year in Lakhs:

From funding agency 112.825L From Management of University/College 200.50L

Total 313.325L

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	23
	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
79	6	6	10	1	4	52

3.18 No. of faculty from the Institution who are Ph.D.Guides [43]
and students registered under them in 2017-18 [43]

3.19 No. of Ph.D. awarded by faculty from the Institution [18]

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

JRF [3] SRF [1] Project Fellows [1] Any other [-]

3.21 No. of students Participated in NSS events:

University level [-] State level [ ]

National level [31] International level [-]

3.22 No. of students participated in NCC events:

University level [189] State level [25]

National level [18] International level [--]

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 [11] State level [5]

National level [11] International level [-]

3.25 No. of Extension activities organized

University forum [-] College forum [181]

NCC [9] NSS [6] Any other [ ]

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

- Conducted a programme for homemaker women candidates on "Sewing Machine Operators"from December 2017- April 2018.
- Cleaned Kurichi Lake along with ISHA foundation
- The voluntary blood donor club donated 465 Units of blood (285 Units + 180 Units during Camp)
- 31 students participated in SWACHH BHARAT Summer internship in 5 villages
- **NamadhuPangu** is an integrated community development initiative, actively engaged in serving our rural communities with enthusiastic students, experienced faculty and talented young professionals at KumaraguruCollege of Technology.It primarily works in five villages in Chinnavedampatti Panchayat – the villages are Chinnavedampatti, Anjugam Nagar, Udayampalayam, Chinnamettupalayam and Nanjegoundanpudur. The activities conducted during 2017 – 18 by NamadhuPangu are

1. **CHILD EMPOWERMENT**

Tuition Center

A Tuition Center functioned at Udayampalayam village for school children on all weekdays throughout the year.During the mentioned period, the Center had created a major impact in the academic performances of 30-40 Students, who have been taught subjects namely, Mathematics, Science, English and Tamil by Student volunteers of KCT and SEA Staff.

Milk distribution

Around 2100 liters of milk was supplied to 600 children covering five schools in the surrounding region during the period. This is a perennial activity happening every Friday of the week.

Workshop

Mango Education, Coimbatore conducted a Student's Workshop on "All about Magnets" during July 2017 for school children and NamadhuPangu volunteered by taking students to the Workshop.

Mentoring Program

As part of Anantha Jothi-2017, during the month of October 2017, NP along with Human Excellence Department, KCT initiated the student to student mentoring programme as part of Social Outreach. 20 selected students from Chinnavedampatti School in the classes of 5 to 8, were mentored by 20 KCT student volunteers. The initiative envisaged continuous interaction with selected students and empowered them with knowledge and skills.

Recruitment Drive – ZOHO University

For the third consecutive year, NamadhuPangu and Sakthi Excellence Academy (SEA) organized a Recruitment drive during October 2017 for +2 and Diploma students in association with ZOHO University, Chennai. The drive was conducted at KCT and MCET, Pollachi. More than 1100 students participated in the drive (600 in Coimbatore and 500 in Pollachi) and finally 15 students were selected after all recruitment procedures.

District Level Children's Day Celebration

The event was held during November 2017, organized and hosted by NamadhuPangu and SEA in the campus premises in association with District Education Department, Government of Tamilnadu during November. 1100 School students from different parts of Tamilnadu, 100 Teachers and 50 Government Education Department Officials from Coimbatore District participated in the gala function. Dr.B.K.KrishnarajVanavarayar, Chairman-KCT was the guest of honor for the function.

Children's Residential Camp

NamadhuPangu organized Children's Residential Camp, an important perennial event from 18th to 23rd May 2018 at KCT premises. Eminent personalities from different walks of lives shared their knowledge and experiences to the students. Around 200 Children along with their Teachers from different districts of Tamilnadu participated in the camp. The Camp essentially focused on the holistic development of children, with a gamut of events and activities, which strongly complements their academic pursuits.

2. WOMEN EMPOWERMENT

Training Programmes

NamadhuPangu along with ZARA Crafts organized a Training programme for Women in St. Francis Convent during August 2017. NP also organized a Skills Training program for women in Aappakkudal on 1st October 2017. 75 Women from Erode, Aappakkudal and neighboring villages participated. Participants were trained by Sakthi Technical Institute, Aappakkudal about making wire bags and the participants learned about the essential skills of the trade.

Capacity Building Programme

During December 2017, as part of the capacity building of Women, many events and training programmes were initiated. Dr.PremaNarasimhan, Director, NP and Student intern attended a three-day Workshop at Well Papers, Auroville, Pondicherry to understand the making and market potentials for upscaling used newspaper to high-end products.

3. ENVIRONMENTAL& SOCIETAL IMPACT

Kitchen Garden

As part of a unique health initiative and to help the children, learn science by hands-on experiences, Kitchen Garden was initiated in all government schools adopted by NP. Children supported by KCT volunteers prepared the land for a garden and sown 16 varieties of greens and vegetables. The vegetables after reaping were used in the mid-day meals of the schools.

Amudhu Pagirvom

AmudhuPagirvom, an initiative of Anantha Jyothi to celebrate the joy of sharing, during 4-6 October 2017, collected850 kgs of rice in the premises of KCT, Sakthi Finance Limited and five government schools adopted by NamadhuPangu. The collected rice was shared with the needy in Orphanage and Old age homes.

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	150.075 acres			150.075 acres
Class rooms	10294.19 m^2	250.05m^2		10544.24 m^2
Laboratories	17886.48 m^2	231.5m^2		18117.98 m^2
Seminar Halls	1681.4 m^2	1972.77m^2		3654.17 m^2
Meditation Hall		207.04 m^2		207.04 m^2
No. of important equipment purchased (≥ 1-0 Lakh) during the current year.		50	Management	50
Value of the equipment purchased during the year (Rs. in Lakhs)		280.41L	Management	280.41L
Others				

4.2 Computerization of administration and library

1.Computerization of

- Accounts department
- Purchase department
- Admission process
- Fee payment
- Exam result publication
- Hall Booking System
- Feedback Reports

2.ERP to manage teaching, learning, students details, academic performance of the students and staff details

3. The library is fully automated. Books circulation, transaction and user's visits are managed through bar-coded ID cards. The user can search the library database through Web OPAC (Online Public Access Catalogue) or Mobile OPAC through remote access user login ID.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value(Rs)	No.	Value(Rs)	No.	Value(Rs)
Text Books	1,07,332	3,98,74,081	308	1,63,695	1,07,640	4,00,37,776
Reference Books	2,392	90,31,917	11	19,326	2,403	90,51,243
e-Books	-	-	-	-	-	-
Journals	178	5,74,825	-	-	178	5,74,825
e-Journals	8,929	23,37,954	-	-	8,929	23,37,954
Digital Database	1	2,77,571	-	-	1	2,77,571
CD & Video	7,533	57,079	247	-	7,780	57,079
NPTEL Video	518	1,00,000	-	-	518	1,00,000
NPTEL Web	426	1,00,000	-	-	426	1,00,000

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart ments	Others
Existing	1945	1546	256Mbps	80	-	226	78	15
Added	530	100	-	-	-		430	
Total	2475	1646	256Mbps	80	-	226	508	15

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

- ICT facility for all computers
- 430 Laptops are provided to faculty members.
- Network switches are upgraded at a cost of 26 lakhs.
- Internet access is provided to all staff and faculty members.
- Labs and department offices are connected by LAN / WiFi
- Wifi enabled Hostel
- Conducted training programmes to supporting staff in MS office

4.6 Amount spent on maintenance in Lakhs:

i) ICT	38.70
ii)CampusInfrastructure and facilities	429.49
iii) Equipment	65.42
iv) Others	229.70
Total :	763.31

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The students and the parents are made aware of various academic processes and support services offered by the institution in the induction program SWAGATHAM and also during the Parents Teachers meeting.

5.2 Efforts made by the institution for tracking the progression

- Continuous progression in sports-related activities, club event, students forums are tracked by respective faculty coordinators.
- The progression with respect to the interaction of resident tutors and hostel students is tracked by student counselor and deputy chief warden
- Mentors track student attendance, leave and on duty applied by the students, marks of their mentees through ERP system.
- Parents can get their wards internal and semester results through SMS.
- The student record is maintained by the concerned class teacher in each and every department.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
5200	712	157	-

(b) No. of students outside the state: 54

(c) No. of international students: -

	No	%		No	%
Men	4080	67.23	Women	1989	33.77

Last Year(2016-17)						This Year(2017-18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
456	603	30	4902	17	6008	617	573	25	4840	14	6069

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

- For student competitive examinations, various activities were planned at the department level and college level
- In department level, technical coaching is provided to the students those who are appearing in GATE, NIFT, MAT, TANCET, UPSC and TNPSC examinations by well-experienced faculties.
- The placement hour is provided in the class timetable which will be managed by specially trained people in different areas like aptitude and verbal reasoning which is coordinated by the programme management office of Kumaraguru College of Technology.
- Mathematics for Competitive Examinations- an open elective course is offered to third year students
- Orientation and Coaching classes were conducted by external experts.

No. of students beneficiaries 902

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	1	GATE	10	CAT	3
IAS/IPS etc	1	State PSC	2	UPSC	-	Others	38

5.6 Details of student counselling and career guidance

During the academic year 2017-18, a number of career guidance programs were conducted for the various year students by the Placement team of KCT. The below report has a summary of the activities conducted along with the reports, posters used during these activities.

1. Career crew team

A career crew team was formed from the final year students (who would graduate in the academic year 2017-18) to specifically look into conducting several career guidance programs for students of all years at KCT. The placement team of KCT co-worked with the student reps and designed greater no of roles and responsibilities for them to fully engage and conduct the placement drives. The aim was to bring:

- Greater involvement, ownership and responsibility among students for placement drives.
- More accountability for their own outcomes
- Motivation and counseling to non-placed students and help them focus more on upcoming drives
- Better transparency and outcomes in the placement process

Many initiatives were initiated by the Career crew team to bring more core companies to come to campus through the collective effort of the HoDs, student team, faculty placement coordinators and the placement team.

2. Career day programs for 2nd year students

Career day programs were conducted for second year students by each department with the help of final year students, placement cell and alumni. The program was typically conducted for ½ a day and detailed guidance on various career options such as placement, higher studies, entrepreneurship, etc was provided.

3. Language training programs

KCT has recognized that learning a foreign language adds to the multitude of soft skills of an individual. Career awareness programs were conducted for all year students enumerating the benefits of learning a foreign language. Through the sustained career guidance efforts, more than 100 students from various years studied Japanese and German languages at KCT.

4. **Placement guidance programs for final year students**

The final year students who were attending placements were given continuous guidance throughout the academic year. The guidance programs started off with the summer DYDC program conducted during May 2017. This was followed by various company wise career guidance programs. Students were provided with helpful tips on preparing for specific company interviews and were advised on the career prospects with various companies. They were also trained for various rounds of interviews including quantitative aptitude, group discussion, personal interviews etc.

4. Alumni Career day at Chennai

In order to assist recent Alumni of KCT with career changes, newer job opportunities, a career day cum job fair was conducted in Chennai in early Feb 2018. Recruiters from over 15 companies and over 200 alumni participated in the event. It was a good opportunity for senior alumni to share their career path experiences with their juniors and helped them with perspectives about the career workplace.

No. of students benefitted | II, III and IV year students |

5.7 Details of campus placement

On campus			***Off Campus***
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
193	1356	998	15

5.8 Details of gender sensitization programmes

- Institutional level Women's day celebration
- Sessions on health and lifestyle choices are provided during fresher learning and immersion program
- Club "PudhuPavai" exclusively for women students is functioning in KCT
- Yoga-Aerobics training was given to faculty members and students
- Organised Entrepreneur Development Program for women tailors
- Training programme on "Sewing Machine Operators" for the Apparel sector homemaker women candidates for a period of 330 hours

5.9 Students Activities

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

University level 119 National level 8 International level 7

No. of students participated in cultural events

State/ University level 230 National level International level

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

Sports: State/ University level 103 National level 3 International level -

Cultural: State/ University level 6 National level International level

5.10 Scholarships and Financial Support

	Number of Students	Amount(Rs)
Financial support from institution	1139	14,116,475
Financial support from government	1268	22,107,285
Financial support from other sources	25	6,60,000
Number of students who received International/ National recognitions	1	1,00,000

5.11 Student organised / initiatives

Fairs	: State/ University level	28	National level	14	International level 1
Exhibition:	State/ University level	6	National level	4	International level 0

5.12 No. of social initiatives undertaken by the students 226

5.13 Major grievances of students (if any) redressed: No Major Grievances

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:

The vision of the college is to become a technological university of informational standards through continuous improvements.

Mission:

Kumaraguru college of Technology is committed to providing quality education and training in engineering and technology to prepare students for life and work equipping them to contribute to the technological, economic and social development of India. The college pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership.

6.2 Does the Institution has a Management Information System

Yes

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

6.3.1 Curriculum Development

Kumaraguru College of Technology has utilized the autonomy granted by developing modern curricula catering to produce graduates of the highest calibre. The primary forum involved in developing curricula are the Board of Studies (BOS) of each programme of study. The Board of Studies of the various programmes are responsible to:

(a) prepare a plan of syllabi and syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and the national requirement for consideration and approval of the Academic Council;

(b) suggest methodologies for innovative teaching and evaluation techniques;

(c) suggest a panel of names to the Academic Council for the appointment of examiners; and

(d) coordinate research, teaching, extension and other academic activities in the department/college.

The members of the BOS include:

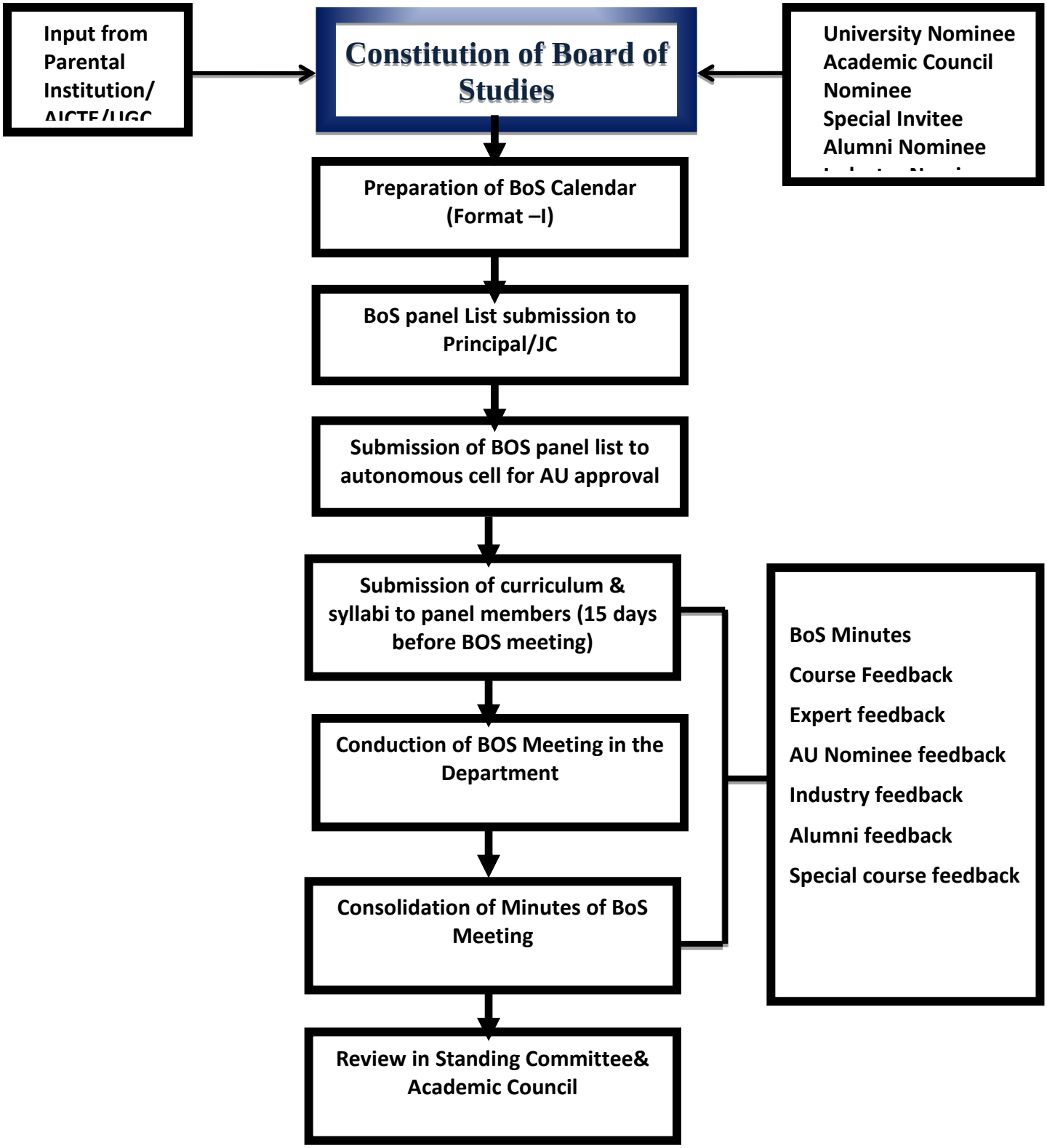
1. Head of the department concerned (Chairman).
2. The faculty of each specialization.

3. Two experts in the subject from outside the college to be nominated by the Academic Council.
4. One expert to be nominated by the vice-chancellor from a panel of six recommended by the college principal.
5. One representative from industry/corporate sector/allied area relating to placement.
6. One postgraduate meritorious alumnus to be nominated by the principal.

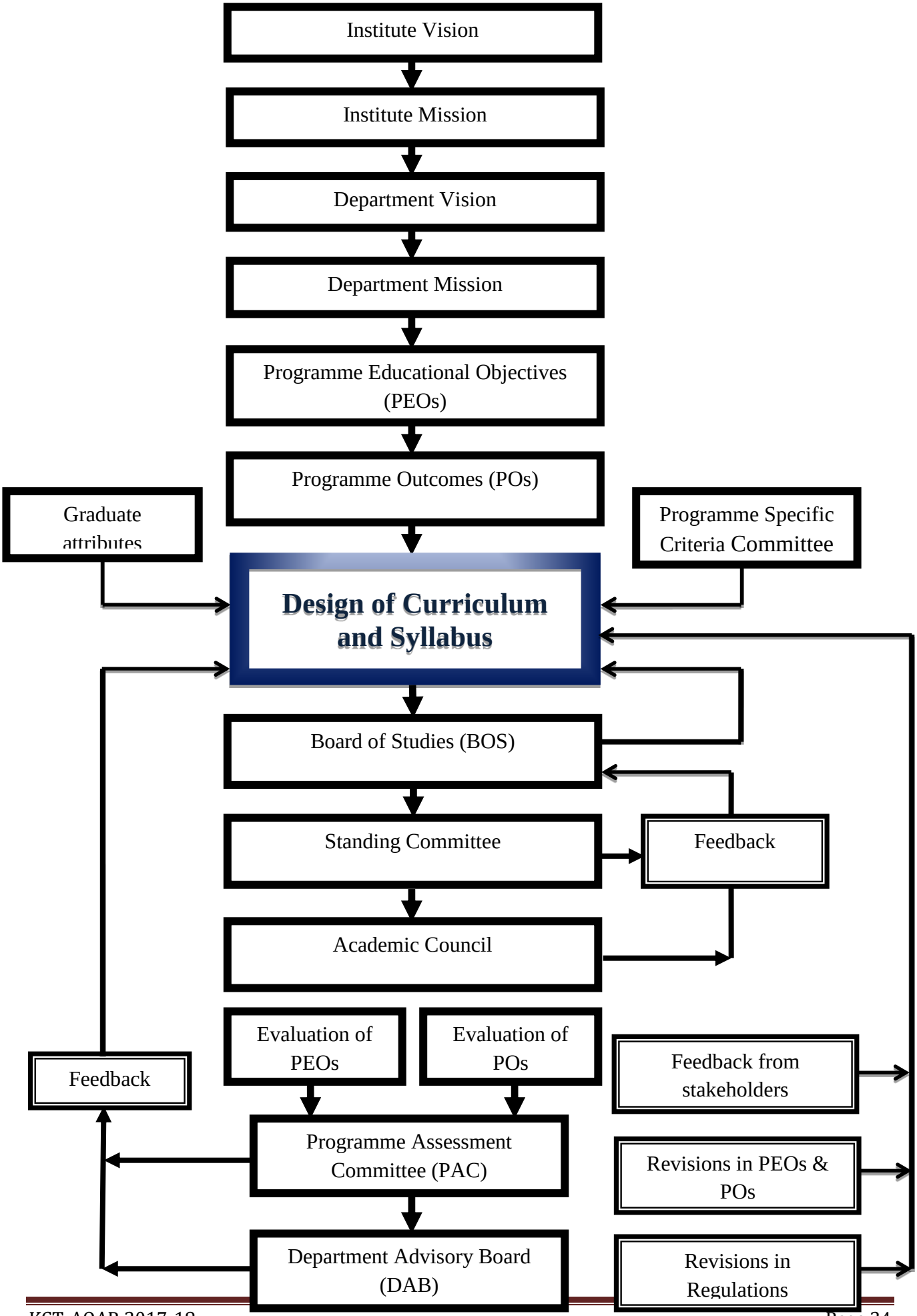
The chairman, Board of Studies, may with the approval of the principal of the college, co-opt:
(a) Experts from outside the college whenever special courses of studies are to be formulated.
(b) Other members of staff of the same faculty.

The Board may if it should so decide, invite a representative member or members of the non-academic staff/parent of the relevant Department to attend meetings as observers. The term of the nominated members shall be two years. The Principal of the college shall draw the schedule for a meeting of the Board of Studies for different departments. The meeting may be scheduled as and when necessary, but at least once a year. Notification of the meeting, together with its Agenda prepared in consultation with the Chair, shall be sent out by the convener of the board of studies **less than fifteen days in advance** of the meeting. The process of curriculum development in the college is outlined below:

BOARD OF STUDIES MEETING PROCESS OF KCT (UG & PG)



CURRICULUM & SYLLABUS DEVELOPMENT PROCESS OF KCT



6.3.2 Teaching and Learning

- Google classroom are used to share the study materials, upload assignments and presentations, create announcements, conduct quiz and upload project reports.
- Virtual lab
- Flipped classrooms
- Encouraging the student to make working models
- Internship along with industry projects
- Training on OBE by IQAC
- KLDA – pedagogy and innovative teaching methods
- Usage of reference materials from international university
- One credit courses by industry experts
- Learning through NPTEL, Coursera
- Prototype development
- Project based learning
- Industry linked labs

6.3.3 Examination and Evaluation

- Question paper Scrutiny with external experts
- Introduction of Revised Blooms taxonomy in the internal test and end semester question paper
- CO / PO mapping for every course
- Conduct of Central valuation with experienced experts from nearby reputed institutions and internal faculty members
- Facility for credit transfer from reputed institutions / Universities in India and abroad.
- Winter and Summer Track course is introduced
- Automatic Calculation of Continuous Assessment Marks by ERP software.

6.3.4 Research and Development

- Management funded research projects are in progress. Evaluation are done by internal and external committee members before sanctioning the projects for faculty and students.
- Best project awards for each batch; best 10 projects receive cash awards
- Encourage PG students to publish research articles in quality journals.
- Monetary help from the management for the candidates doing doctoral research.

- On duty for doing research and for presenting in international conferences
- Monetary help for presentation in conferences (registration fee & travel expenses), publishing papers in journals.
- Experts from other Universities and Colleges, other countries are invited for special lectures to motivate the research scholars and to make them understand the research undertaken in other peer Colleges and Universities.
- Workshops and guest lectures on research, publications, patenting etc. are being conducted frequently to update the knowledge of the students and faculty.
- Seed funding by KCT management for promising research proposals of faculty and students
- Active functioning of KCT research centres such as

Kumaraguru Industrial Research and Innovation Centre **(KC.IRI)** was launched in the academic year 2017-18. It is a focused research and innovation ecosystem at KCT in symbiotic collaboration with industries for the promotion of industry-specific applied research, innovative product development, advanced learning and skill development programs. Funded projects and consultancy worth of Rs. 30 lakhs were carried out during the previous year.

FORGE is the incubation enterprise launched by the Coimbatore Innovation & Business Incubator (CIBI), founded with the vision to create &catalyse innovation powered enterprises. FORGE has been selected as one of the 10 nodal centres for Smart India Hardware Hackathon 2018 organized by MHRD. Forge has been selected as one of the 5 Defence innovation Hubs and recognized as the top incubator in tier-2 cities in India with a network connect spanning all major hubs in India.

Garage is a student involved product development research centre for automotive developments. Last year the motor sporting teams such as The Sakthi Racing, Blitzkrieg Racing, Team Legion and Zeall Racing engaged in designing and construction of terrain vehicles and competed in various national and international contests and brought laurels to the institution.

iQube is an innovation Centre for tech enthusiasts, and Re' the centre for student research, aiming to bring out the explorer and maker within. In the previous year, these centres have mentored 600 students in various technologies and also guided many Social Immersion Projects. They hosted Arduino day event with an impact of 102 students with KCT Innovators Club. They made 20+ prototypes and filed 4 patents and published many research papers.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- All faculty are provided with individual computers with internet facility
- Refurbished Mahatma Gandhi Central Library

6.3.6 Human Resource Management

As per HR policy

6.3.7 Faculty and Staff recruitment

As per Anna university and AICTE norms

6.3.8 Industry Interaction / Collaboration

- KCT- FLUKE Centre of Excellence in Calibration was established in association with Fluke Corporation.
- Texas Instruments Centre of Excellence in signal processing was established in July 2017 in association with Texas Instruments
- KCT- Ezon Centre for Research in Renewable Energy was instituted with a funding of Rs. 12 lakhs by EZON Energy Solutions and Rs. 6 lakhs by the management of KCT.
- Centre of Excellence for Student Projects and Research in Salzer Electronics.
- Photo Voltaic Innovation Center (PIC) in collaboration with Prosun Laboratories will contain latest technologies in the field of Solar Photovoltaic, for enhancing the students' knowledge in the renewable energy based Solar and wind energy domain. The laboratory will invest around 2 lakhs for the solar equipment.
- Thick India Innovation Center(TIC) in partnership with Thick India will provide embedded and software development kits to enable the students for developing their own project ideas into real-time kits. The Centre will focus on students' knowledge building in the field of latest trends in embedded systems and IOT applications.
- Linkages are created with institutes Tel Aviv University, Birmingham University and TNIUS to share knowledge and work together
- Industrial linkages with
    - YOKOGAWA
    - Phyto Specialities, Chennai
    - Glass foundation Academy
    - TamilnaduInstitute of urban studies
    - KG Mills, Annur
    - Shristi consultants etc.,
- One credit courses were conducted with industry experts from companies like
    - ZOHO
    - KOTAMARAN Technologies

- SBNA Technologies
- Glass foundation Academy, Chennai –Glass Façade Engineering
- Brakes India Private Ltd
- EMC Corporation
- UITOUX Solutions
- Texas Instruments
- STEPS Knowledge services private Ltd., Coimbatore
- Caliber Embedded Technologies India (P) Ltd., Coimbatore and more

- In association with ARA Institute of Canterbury, New Zealand organized a crash course on Motorsports Engineering
- Running a 450 hrs long programme on "Calibration Technician" approved by Pradhan Mantri Kaushal VikasYojana (PMKVY) which is a skill development course.
- Assistant electrician course for ten participants from various industries was conducted under Pradhan Mantri Kaushal VikasYojana (PMKVY) Scheme

- Partnership for knowledge sharing, student activities related to internship and projects with
  - GKN Aerospace, Bangalore,
  - Tata advanced systems Ltd, Hyderabad,
  - National Aerospace Laboratories, Bangalore,
  - CEMILAC, DRDO, Bangalore
  - ABT, L&T,VOLVO, HYUNDAI, Coimbatore
  - Brakes India Private Ltd., Chennai
  - Zohocorp, Chennai
  - TNPL-Karur
  - Ashok Leyland, Hosur
  - ELGI Equipment
  - HMT Machine Tools, Bangalore
  - Lakshmi mikro controls etc.,

6.3.9 Admission of Students

As per Anna university norms

6.4 Welfare schemes for

Teaching	OD for Ph.D, attending conference, seminars, Incentives after completion of Ph.D., Medical insurance, Concession for availing college transport facility Admission for faculty wards
Non-teaching	Medical insurance Concession for availing college transport facility Admission for faculty wards
Students	Medical Insurance Scholarship for meritorious and sports student Fee concession for economically weak students

6.5 Total corpus fund generated | 839 Lakhs |

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	Members from peer institution	Yes	IQAC
Administrative	Yes	Astral & Company, Members from peer institution	Yes	From other departments

6.8 Does the University/ Autonomous College declare 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?

- Question paper with K1 to K6 knowledge level and course outcomes
- Six patterns of question paper format for Continuous Assessment Test
- Four Pattern of question paper format for end semester examination
- Computer based end semester examinations for few courses
- Introduction of Open Elective courses under continuous assessment mode and end semester mode
- Optional registration for arrear courses

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

- Outcome Based Education and CBCS are developed as per university suggestions.
- University supports the autonomous status of the college.
- University sends representatives for various meeting of the college such as Academic Council, Governing Council, Board of studies
- University monitors the result passing board meetings, Examination.

6.11 Activities and support from the Alumni Association

- Members in BOS and DAB
- Members in the interview panel for faculty recruitment
- Members in mock interview panel during placement training to students
- Resource person for guest lectures and workshop
- Scholarship support from Alumni
- Alumni interaction with pre-final and final year students
- Assistance in providing internships & placements

6.12 Activities and support from the Parent – Teacher Association

- Support is sought from the parents in monitoring the progress of their wards through mobile App
- Supports during accreditation committee visits
- Parents –Teacher meeting twice a year
- Orientation to parents on the first day of first year students -Swagatham
- Mahatma Gandhi Scholarships award function
- Graduation day

- Feedback from parents-ATR
- Anti ragging committee member
- Entrepreneurship mentoring

6.13 Development programmes for support staff

Many programs were conducted to support staff. Few of them are listed below:

- MS Excel, MS PowerPoint
- Workplace Communication
- Etiquettes and manners
- Self awareness
- Bringing Process improvements
- Email Etiquette & Effective Email Communication
- Basics of Designing
- Time management

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

- Installation of Solar power station 250 KW
- Water Treatment Plant installed to recycle water and recycled water is used for gardening and landscaping.
- Rainwater harvesting implemented for all buildings
- Paperless environment
- Green campus –around 4700 trees in the campus

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.

- Students are trained under industry experts to create prototypes for Industry supplied problems
- International collaborative efforts for student internship and projects
- An international conference to facilitate faculty members and research scholars for presenting and publishing a research article
- Industry based one credit courses
- KCT's student research centres namely iQube, Garage (Product incubation centre) and Re(Student Research Cell) to nurture the research culture among the students on campus
- Industry research centres namely KCIRI, FORGE to provide solutions to industrial problems
- FCLF(Flexible Comprehensive Learning Framework) gives students abroad exposure to various disciplines outside the traditional domain
- Introduced Protosem to the students along with FORGE

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	Achievement
• Establishment of Department of Academics to take care of all process connected with academics. • Introduction of FCLF Courses. • Revamping of UG & PG curriculum and syllabus.	• Stressing more roles for mentors. • International Credit Transfer. • Committees such as ACC, DCC & DEC introduced. • FCLF gives students abroad exposure to various disciplines outside their domain.

7.3 Give two Best Practices of the institution

- ProtoSem – Prototype semester [Micro-Innovators] is a first-of-its-kind program launched by FORGE in partnership with KCT and embeds an innovation centered approach to engineering education right into the core of the engineering curriculum.
- Effective Implementation of FCLF (Flexible and Comprehensive Learning Framework) for students to gain wider exposure to various disciplines outside their domain. In the academic year 2017-18, 80 courses were offered to students in the odd semester of which 57 courses were handled

by internal faculty and 23 by external faculty. Among them 52 courses were opted by students. In even semester 57 courses were offered to students and they opted 42 courses.

7.4 Contribution to environmental awareness/protection

- KCT has taken initiative in promoting green energy concepts in the campus. Adding to the previous initiatives 200 KW solar power station is being installed in this academic year
- Nature Club of KCT conducted 20 programs to make environmental awareness among KCTians
- NCC, NSS, Nature club members and many student volunteers of KCT cleaned Kurichi lake along with social organizations.
- 100 trees were Planted by NSS students in and around Government Hospital, Coimbatore and 100 trees by YRC club at Panappalli village.

7.5 Whether environmental audit was conducted? Yes [✔] No [ ]

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

- Good infrastructure conducive for enhanced learning and research
- Latest software in Labs
- KCT's student research centresnamelyiQube, Garage (Product incubation centre) and Re(Student Research Cell) to nurture the research culture among the fellow students on campus and ensure right guidance and support for their research ideas.
- Industry research centres namely KCIRI, FORGE and KCT TIFAC CORE to provide solutions to industrial problems
- Kumaraguru College of Technology has utilized the autonomy granted by developing modern curricula catering to produce graduates of the highest caliber with strong academic foundation, the curricula based on current developments in the area of the programme, skill expectations of the industry and the needs of the students for higher education.
- Electronics and Communication department launched a Mobile application and website for farmers called "Mann Uyir".The website aims to bring technology to the aid of the farmers. This project was funded by IEEE Foundation, USA.
- MoUs with industries and educational institutions
- Establishment of Centre of Excellence (Calibration, signal processing) Laboratories in association with industries
- To impart Indian culture, ethics, values, and spiritual principles to the youth, a mandatory character and value education with a set of courses is offered to students by Human Excellence department.

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

- Obtained necessary approvals from AICTE and Anna University for the introduction of four new programmes from the Academic year 2018-19. The programmes are:
    - ❖ B.E – Information Science & Engineering.
    - ❖ M.E – Environmental Engineering.
    - ❖ M. Tech – Data Science.
    - ❖ M Tech – Masters of Technology Management.
- Planned to establish a Faculty Development Centre jointly in association with other institutions. This centre will offer teaching skill development training to faculty of KCT, partnering with other institutions.
- The research focus in 2018- 2019 will be to increase the indexed journal publications by students and faculty by two-fold from 2017-2018 publications.
- It is planned to increase International participation of students and faculty to enhance the awareness of emerging knowledge domains.
- Green Campus Initiatives: Our Campus has 4700 trees and we have planned to plant 1200 more trees in the coming rainy season. Efforts are also being taken to make the campus plastic free, treatment and recycling of waste water etc.
- Planned to set-up a Research Centre on Autonomous Vehicle during 2018-19. It will be an interdisciplinary research centre used by Automobile, Mechanical, Aero, Mechatronics, ECE and Electronics & Instrumentation and Computing departments

Name: Dr.S.Selvanayaki *Name : Dr. J.Senthil*

Signature of the Coordinator, IQAC *Signature of the Chairperson, IQAC*

Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
FCLF	-	Flexible and Comprehensive Learning Framework
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission