



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		KUMARAGURU COLLEGE OF TECHNOLOGY
Name of the head of the Institution		Dr.J.Srinivasan
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04222661121
Mobile no.		9487700830
Registered Email		principal@kct.ac.in
Alternate Email		info@kct.ac.in
Address		Chinnavedampatti Post
City/Town		Coimbatore
State/UT		Tamil Nadu
Pincode		641049
2. Institutional Status		

Autonomous Status (Provide date of Conformant of Autonomous Status)	21-Jul-2008																								
Type of Institution	Co-education																								
Location	Urban																								
Financial Status	private																								
Name of the IQAC co-ordinator/Director	Dr.S.Selvanayaki																								
Phone no/Alternate Phone no.	04222661289																								
Mobile no.	9600989004																								
Registered Email	iqac@kct.ac.in																								
Alternate Email	selvanayaki.s.sci@kct.ac.in																								
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)	http://www.kct.ac.in/wp-content/uploads/2018/10/AQAR-2017-18.pdf																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.kct.ac.in/academics/academic-calendar/																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.67</td> <td>2009</td> <td>29-Jan-2009</td> <td>28-Jan-2014</td> </tr> <tr> <td>2</td> <td>A</td> <td>3.21</td> <td>2016</td> <td>02-Dec-2016</td> <td>01-Dec-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.67	2009	29-Jan-2009	28-Jan-2014	2	A	3.21	2016	02-Dec-2016	01-Dec-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
1	B	2.67	2009	29-Jan-2009	28-Jan-2014																				
2	A	3.21	2016	02-Dec-2016	01-Dec-2021																				
6. Date of Establishment of IQAC	09-Jun-2009																								
7. Internal Quality Assurance System																									
Quality initiatives by IQAC during the year for promoting quality culture																									
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																							
No Data Entered/Not Applicable!!!																									

[View File](#)

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
View File				

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

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

- Motivated Faculty members to write research paper and preparation of soft copy of course material
- Internship to students in foreign countries
- Linkages with industry
- IQAC conducts academic audit of the functioning of all the departments
- Double scrutiny system to standardize continuous assessment test question paper
- Execution of Project based Learning for first and second year B.E/B.Tech students

No Files Uploaded !!!

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

Plan of Action	Achievements/Outcomes
Planned to set a research centre for Autonomous vehicle	In Process
Green Campus Initiatives	Vehicle free roads, 4000 trees, 65 species of birds , Biodiversity Enrichment, Ban on plastics, Progressive

	campus automation
To increase the number of quality Research articles in indexed journals	Increased from 318(AY: 2017-18) to 511(AY: 2018-19)
It is planned to increase International participation of students and faculty to enhance the awareness of emerging knowledge domains.	10 Guest lectures have been organised for faculty and students, the guests were from UK,USA, Israel,Singapore, Malaysia and Australia. Around 67 students attended international immersion programme. The future of Higher education, a leadership conclave was organised on Feb 13th and 14th 2019.
Introduction of new programmes from the Academic year 2018-19	Introduced 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
To get funding from DST under FIST	DST approved 60 lakhs under FIST on December 2018
To get NBA accreditation for all eligible UG courses	Out of 13 UG programmes , 7 UG programmes got accredited, 5 UG programmes in awaiting for NBA team visit
To assess the level of attainment of vision and mission, PEOs, POs and COs, workshop was conducted	NBA compliance audit for 5 UG programmes ,Viz., namely Civil, EEE, ECE, CSE and IT was conducted by NBA team of experts on 22nd Feb 2019 and all the five programmes received three years accreditation
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes
--	-----

Name of Statutory Body	Meeting Date
Management Review Meeting	13-Nov-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
--	----

16. Whether institutional data submitted to AISHE:	Yes
---	-----

Year of Submission	2019
--------------------	------

Date of Submission	10-Jan-2019
--------------------	-------------

17. Does the Institution have Management	Yes
---	-----

Information System ?	
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Mykct is a campus automation software which was developed for Education Institution under the idea of "Single Application to Serve All". It's a webbased application that can be accessed worldwide. It covers student enquiry, admission, student profiling, studentbased timetable generation with their assessment details semester wise, online fee payment, CoE result processing with result publication, the mentoring system for tracking students' performance, various reports for analytics, along with a Mobile app for both students and faculty. Hence MyKCT also helps us to achieve a paperless environment inside the campus.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
View File			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Information Science and Engineering	01/07/2018
ME	Environmental Engineering	01/07/2018
Mtech	Data Science	01/07/2018
Mtech	Technology Management	01/07/2018
No file uploaded.		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
----------------------------------	--------------------------	---

BE	Information Science and Engineering	01/07/2018
ME	Environmental Engineering	01/07/2018
Mtech	Data Science	01/07/2018
Mtech	Technology Management	01/07/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Teaching learning system needs continuous refinement. To facilitate this process of continuous refinement, Kumaraguru College of Technology has a well defined and formal feedback system implemented at different levels. • Board of studies The department receives feedback from various stakeholders including industry experts, employers and alumni DAB which involves teachers and peer academicians from other institution. Through Board of Studies (BoS) meetings, DAB meetings and parents' meetings, they give their suggestions and feedback regarding curriculum design and development, pedagogy and question setting, which are taken for review and further implemented. Their inputs are considered for redefining the PEOs, and the PSOs. The feedback from stakeholders and the gaps in the attainment are used for further modification / revisions in the curriculum and syllabi. • Course Feedback The feedback from students regarding the quality of teaching is collected twice each semester (mid semester and end semester), through an inhouse online portal. Feedback is obtained from the students on syllabus coverage, content delivery, assessment, and evaluation. The collected feedbacks were analyzed and action will be taken for the deviations in the department • Class Committee meeting Feedback The Class Committee Meeting (CCM) is a meet for students to voice out concerns on the academic proceedings, curriculum, faculty, general requirements, laboratories and opportunities for personal and professional growth. The CCM is for identifying opportunities for making processes in KCT more efficient and to</p>

refine the quality of teaching and learning, and course correct to achieve targets. This meeting is conducted twice in a semester. • Alumni - Feedback The focus of Alumni feedback is 360 degree evaluation on Academics, curriculum, events, etc. The feedback is collected online through Mailers, Social media, via forms, and during their visit to KCT for events. • Parent's feedback For the overall improvement of the character of a student, the institution shall take feedbacks from parents/guardians. These shall be gathered during Parent Teacher meetings and stakeholder meetings. Parent Teacher meeting shall be convened once in a semester at the Department level to gather feedback from stakeholders on various aspects of the programme. These collected feedbacks shall be consolidated and discussed in Department level committee meetings, to decide the necessary actions needed at the Department level. The consolidated reports shall be presented at institution level committee meetings. The feedback shall be used to scrutinize and refine the policies so that the institution moves closer to its vision.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
View File				

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	5232	736	301	71	Nill

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
371	371	Nill	94	30	Nill

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The Mentor - Mentee system has been formed with the approval from the Management aimed to channelization the students. The main focus of this mentorship is prior acquaintance, cordial relationship and endowing guidance to the student community. Mentor and mentee relationship help individuals, at various stages of their careers, learn, grow and excel in their fields. The mentor's role is to teach, guide and help shape the professional growth and learning of the mentee and to serve as a positive role model. In order to facilitate the students' progress and welfare, the Head of the Department will allocate a fixed number of students to a teaching faculty of the department who shall function as Mentor for them throughout their period of study. Each

mentor will have a maximum of 25 students allotted to him/her. The responsibilities of the mentor are: • Advise students in course registration, monitor their attendance and academic performance and counsel them periodically. • If necessary, the mentor may also discuss with, or inform the parents about the progress of the student concerned. • During the Course Registration Process, the mentor shall advise the mentee about the academic programme and counsel him/her on the number and nature of courses to be registered for in the ensuing semester, considering the academic background and career objectives of the mentee. • Mentors shall guide students with arrears during the course registration process in the summer track for pacing the programme. • Mentors shall maintain an e-Record of each of his/her mentees, which shall contain information about the students' attendance, grades obtained in the End Semester Examinations, Continuous Assessment Tests, achievements if any in Curricular, Co-curricular and Extra-curricular activities, Medical History and disciplinary proceedings if any, taken against the student. • Mentors are requested to maintain close mentoring of mentees and provide moral support focusing on their personal betterment and future prospective.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5968	372	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
318	372	Nill	6	Nill

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
View File			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
View File				

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

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
1	5968	0.00017

2.6 – Student Performance and Learning Outcomes

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

<https://www.kct.ac.in/academics/departments>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
View File					

2.7 – Student Satisfaction Survey

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

<https://www.kct.ac.in/wp-content/uploads/2020/02/Student-satisfaction-survey-2018-19.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Null

[View File](#)

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Mr.R.Navaneet hakrishnan	Member - Communications committee - IEEE SIGHT 2019	05/03/2019	IEEE SIGHT
International	Dr.Ramalatha Marimuthu	Board of Governors - IEEE Computer Society	01/11/2018	IEEE Computer Society
National	Mr.D.Allin Joe	Summer Research Fellowship	06/07/2019	Indian National Science Academy
National	Mr.R.Navaneet hakrishnan	Summer Research Fellowship	02/07/2019	Indian Institute of Technology, Delhi
National	Dr. K. Kumaresan	Young Scientist Fellowship Scheme	07/03/2019	TNSCST, Govt. of Tamil Nadu
National	Ms.K.Saranya	Research Fellowship	03/05/2018	Indian Academy of sciences
No file uploaded.				

3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
View File				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.1451

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		
View File		

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
View File				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
00	00	00	00	00	01/07/2019
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics And Communication Engineering	1
Electrical and Electronics Engineering	5
Bio-Technology	1
Fashion Technology	4
MBA	1
Electronics and Instrumentation Engineering	3

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
View File			

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

Department	Number of Publication
No Data Entered/Not Applicable !!!	
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Solar Light Based Illumination System With Water Heating Apparatus	Published	201841029098	02/08/2018
Fully Automatic Wet Grinder	Published	201841032590	30/08/2018
Discovery of Sanal Flow Choking Phenomenon	Published	201841049355	27/12/2018
Sennabetic Jelly and Preparation Method Thereof	Filed	201841024063	28/06/2018
Crash Barrier With Spring Loaded Floating Rollers	Filed	201841032591	30/08/2018
Prediction of the lower critical hemorrhage index using the in vitro studies	Filed	201841043953	22/11/2018
High heat capacity ratio of bio-fluid reduces risk of hemorrhage and heart attack	Filed	201841043952	22/11/2018
Dual-head electromagnetic propulsion system for planet landers for soft landing	Filed	201841048835	24/12/2018
Discovery of a variable speed electromagnetic propulsion system using laser based timer	Filed	201941017105	30/04/2019
A Lucrative method to recycling space debris into fuels for chemical propulsion	Filed	201941017106	30/04/2019
No file uploaded.			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
View File						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	75	82	14	52
Presented papers	363	23	Nill	Nill
Resource persons	11	16	19	35
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
View File			

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
View File				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Global Peace Event for Youth in Philippines	Young Achievers Award for 2 KCT Students, who represented GENFEST in Philippines on behalf of Namadhu Pangu-August 2018	International Peace Foundation	2
Health, Education, Environment Infrastructure support	Best performing Top-15 Schools category - NG Pudur School, adopted supported by Namadhu Pangu-March 2019	Education Department - Government of Tamilnadu	80
No file uploaded.			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
DST - SEED - TIASN	Dept. of Fashion Technology KCT Business School, Kumaraguru College of Technology	Commercial launch of Samathur Handloom produced in the new light weight modified Jacquard at "ANGADI" in 2018 - 2019	3	10
Outreach	Dept. of Fashion Technology, KCT	Workshop on Design and Development of Indian Choli Blouse	1	5
Swachh Bharat	Microcosm Swachh Bharat Ambassadors Team	Clean India - Lake Cleaning	3	60
Jal Shakti Abhiyan	Microcosm	Thannarva Sevai - Percolation Pond Initiation	5	350
Swachh Bharat	Microcosm	Clean India Awareness	5	1200
Swachh Bharat summer Internship	KCT	Internship in villages	2	31

[View File](#)

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
View File			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
View File					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
400	319.37

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Koha	Fully	18.11	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	107640	40037776	419	305829	108059	40343605
Reference Books	2403	9051243	146	1394511	2549	10445754
Journals	178	574825	181	453445	359	1028270
e-Journals	8929	2337954	8929	2285777	17858	4623731
Digital Database	1	277571	1	318985	2	596556
CD & Video	7780	180869	18	Nil	7798	180869

[View File](#)

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.S.Nithyapriya	Hurdle Technology	UGC -PG-Pathshala	19/06/2019

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	2475	1646	256	80	0	226	508	256	15
Added	57	0	0	18	130	26	0	0	0
Total	2532	1646	256	98	130	252	508	256	15

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

256 MBPS/ GBPS

4.3.3 – Facility for e-content

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

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
359.88	264.99	2850	2607.03

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

The development and maintenance of infrastructural facilities in the campus has been one of the priority areas of activities in KCT. The management is committed to maintain and develop the campus as a user - friendly and eco - friendly space. The campus resources are administered by well established functional divisions with the defined responsibilities. Classrooms and Laboratories: The physical infra in each department is taken care of by a faculty member who is nominated as Infra Coordinator by the Head of the Department. All civil construction, electrical maintenance, network related, repair maintenance works are registered by respective faculty/staff member through an online portal (www.smartapps.kct.ac.in). This portal provides a ticket number for the works registered and allocates the work to the department / administrative unit concerned, which in turn, inspect the site, assess the work to be done and execute the work. The closure of the work is communicated to the faculty/staff member who registered the work in the portal. Further the laboratories are renovated as per needs through institutional funds as per needs of curriculum. The classrooms are provided with the ceiling - mounted projector which are maintained by the Centre for Technical Support (CTS). The academic departments, through their annual budget, services the equipments regularly by raising indents for repair and maintenance. Computer Labs: Each lab has got a qualified and trained technical support staff. Any minor repair work in the computer is attended by the support staff and major works are registered in the online portal and the same are attended by the CTS staff and repair works are completed by the team. The Central servers, Operating and Application Software Management, Anti-virus and fire-wall services are maintained by the Centre for Technical Support (CTS) Electrical Installations and Utilities: Exclusive power house facilities are available in two locations in the campus to manage the power supply for the campus. Adequate generator facilities are available besides UPS support to all laboratories and academic departments. Periodical electrical checks are carried out by government agencies and certificates are renewed every year including the lifts available in the campus. Library: Books are well maintained in racks as per the standard protocols governing the library management system. Books, which are in damaged condition, are immediately repaired and bound to ensure their good condition for the users. The computers, projectors, copiers in library are maintained by CTS as per the inline portal entries. Sports facilities: Two exclusive maintenance staff and two markers are taking care of the maintenance of the grounds in the campus. They maintain grounds free of grass, periodical levelling and marking of the borders and internal markings for each sports facility as per specifications. Further, sports articles and gadgets are procured periodically replacing the old ones. Purchase Division: A central purchase department is available catering to all academic departments and administrative units. It undertakes procurement through defined processes, procedures and documentations. It processes and ensure Annual Maintenance Contracts for essential gadgets, utilities and equipment.

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
No Data Entered/Not Applicable !!!			
View File			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	8
CAT	2
GRE	10
TOFEL	8
Any Other	17
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

LEADERSHIP COUNCIL The Student Leadership Council of Kumaraguru College of Technology is an advisory body comprising of 30 student presidents of all academic departments, heads of student clubs, sports captains, and NCC student officers. The purpose of the council is to facilitate students in curricular, co-curricular, and extracurricular activities, ideate, design programmes, introduce enhance processes and resolve student issues. The council works with the management of KCT to make the student experience on campus holistic. The Student Leadership Council members work for the student's well-being and for overall progress through continuous development and strive to enhance students' experience and expectations leading to personal success. They represent their fellow mates in college and bring their needs to the table for discussions and ideations. In addition, Student leaders are also part of the hostel, mess committee and other committees/ academic meetings based on their fields. Exchange of perceptions and suggestions from different domains helps a vertical and the team to grow together. These students represent their departments and verticals in all the required and important meetings. They are in IQAC composition as per NAAC and they attend IQAC meetings and express their opinions. Some of the projects and programmes initiated by the Leadership council students apart from their regular events and activities are: • PROJECT PENCIL: Professional Education to Nurture Children through Innovation and Leadership aims to encourage the dreams of school kids from 6th to 12th standard and help them in becoming an Innovator through a comprehensive learning process. • PROJECT PALM: Projects Accelerating societal Management is a platform for the Pre final year final year students of KCT to carry out their curriculum-based project and Course Completion projects respectively. • LEED (League for Entrepreneurial Empowerment and Development) is the

Entrepreneurship cell of Kumaraguru. It is an innovative initiative of the young and energetic engineers of KCT. The relaunch initiative aims at bringing out the entrepreneurial spirit among the students. Students who are aspiring to get their hands into business and strive to evolve as a young entrepreneur can indulge themselves in this forum.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, • To bring the alumni of Kumaraguru College of Technology under one forum for exchange of experience, dissemination of knowledge and talents amongst its members and also for the furtherance of fellowship, advancement of scientific knowledge in general of the members of the Association and country. • To conduct seminars, conferences, workshops, endowment lectures and other academic activities and also to keep in touch with one another of the College faculty, non-teaching staff and students. • To create and establish Alumni endowments for granting scholarships, prizes and medals to the students showing high proficiency in their studies and also to honour former students of the College. • To advise and interact with State and Central Government Bodies, Universities and Associations of other academic institutions on matters relating to promotion of higher education, training and management systems and thereby promote the welfare and status of the College. • To collect funds by subscriptions, contributions, donations and gifts from members, non-members, Governments, Universities and other institutions and philanthropists for furtherance of the above objectives. • To render financial aid to deserving poor students studying at the College or elsewhere. • To render financial aid to deserving alumni in cases of extreme compassionate circumstances. • To bring out magazines, souvenirs and newsletters highlighting the activities of the College and its Alumni • To organize cultural and educational programmes and also to conduct Alumni Day celebrations as and when decided upon. • To help the Alumni to get and provide advice from/to the College on various technical problems and job opportunities that they may come across in their work and real life. • To approve/promote establishment of Alumni Chapters at different geographical locations having adequate congregation of alumni and physical infrastructure in the form of clubs or otherwise at various geographical locations • To maintain camaraderie and fraternity amongst the ex-students of the College by encouraging social and cultural association amongst themselves • To maintain a current and up-to-date Alumni Database comprising details of their contacts, employment and qualifications • To liaise with the College and the members in order to update the Alumni Database every year after Convocation.

5.4.2 – No. of registered Alumni:

23000

5.4.3 – Alumni contribution during the year (in Rupees) :

2650700

5.4.4 – Meetings/activities organized by Alumni Association :

Activity 1: KCT Alumni Meet, Singapore at Singapore Atrium on 19th August 2018.
Activity 2: Fashion Technology Alumni Meet (2002-06) at KCT on 26th August 2018.
Activity 3 : Alumni Association Office Bearers Meeting at KCT on 01st Sep 2018.
Activity 4: KCT Alumni Meet Australia at Melbourne, Australia on 22nd December 2018.
Activity 5: KCT.BS Alumni Reunion 2018 at KCT, on 23 December 2018.
Activity 6: 5 Year Reunion 2018 (2009-2013) at KCT on 29th December 2018.
Activity 7: KCT Alumni Meet Pune at Baner, Pune on 09th January 2019. Activity

8: KCT Alumni Sports Meet 2019 at KCT on 26 and 27th January 2019. Activity 9: Alumni Association Office Bearers Meeting at KCT on 02nd March 2019. Activity 10: KCT Alumni Sports League, Bangalore at SVCE, Bangalore on 05th April 2019. Activity 11: Alumni Association Office Bearers Meeting at KCT on 29th June 2019. Activity 12 : 1995-99 Batch, EEE Alumni meet at KCT on 29th June 2019.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institution has a mechanism of decentralizing the work and providing operational autonomy to various functionaries at the principal level, faculty level, student level, and supporting staff level in order to ensure a decentralized governance system. The Principal is the academic and administrative head followed by department heads and unit heads. According to the guidelines of the government, various committees such as grievance redressal committee, internal complaints committee, anti-ragging committee, committee for SC / ST, women empowerment cell and the institution level committees such as research committee, exam committee, library committee, discipline committee, ethics and value committee, international relationship committee, etc., are functioning in the institution with operational powers. Also, the principal and HoDs are given financial powers to a limit for the purpose of purchasing any material needed urgently for the academic purpose. Participation of management is in practice in strategic planning and operational level functioning, evident from governing council, planning and monitoring board, finance committee and internal quality assurance cell. Principal meeting with HoDs and unit heads are held in alternative weeks in which department level and institutional level activities are discussed. Based on the discussion, continues reforms are brought in with the knowledge of the management. The institution has a practice of participate management in bringing reforms related to student development, research development, examination related and HR policy for the development of the institution.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	The curriculum of B.E/B.Tech, M.E/M.Tech, MCA, and MBA are regularly revised, to keep abreast of developments in the respective program areas. The curricula and syllabi are revised every 3 years, and earlier if necessary to include topics/courses that are of contemporary interest. The curricula are designed so that the courses focus three major domain areas of the discipline. Additionally electives, industry offered courses etc are aligned to those areas The main goals of the curricula at KCT are to ensure: • engineering education is experiential (PBL-Engineering Clinics)

- engineers are industry ready (Industry offered courses)
- graduates' skills are future proofed (Contemporary programming and design courses)
- outcomes based learning is implemented
- conceptual rigour is strengthened (Continuous Curricular Modernization via Revisions)
- self-learning continuous learning is encouraged (MOOC credits)
- innovators entrepreneurs are developed (Prototyping semester and Internship credits).

Teaching and Learning

- Skill development through Industry offered theory and lab courses.
- Flexible assessment options in Open electives.
- Introduced question paper formats that involve creative and analytical questions in the line of competitive exams like GATE, GRE, UPSC, IELTS, TOEFL etc.
- Upgradation of academic and support infrastructure (high speed internet, upgraded lab /equipment, Classroom facilities, etc).
- Mentoring and remedial classes for slow learners.
- Utilization of Online course management tools for supplementing course delivery.
- KCT in association with FORGE, the Technology-business incubator, introduced ProtoSem in 2018- the primary focus of which has been around developing a deployable permanent prototype.
- Learning beyond the classroom is encouraged via various Forums and Clubs.

Examination and Evaluation

- Question paper Scrutiny with external experts.
- Revised Blooms taxonomy action verbs in the internal test and end semester question paper .
- CO / PO mapping for every courses.
- Conduct of Central valuation with experienced subject experts (internal external).
- Updation of evaluation process as per curriculum requirement.
- Facility for credit transfer from reputed Institutions / Universities in India and abroad.
- Post audit of end semester examinations question paper and answer booklets.
- Systematic process for assessment and evaluation.
- To ensure a fool proof examination system, examinations squad, invigilation, malpractice committee are working.

Research and Development

The faculty members are encouraged to engage in activities that promote research and development and to strengthen consultancy services. The

institution encourages faculty members to attend courses/conferences/workshops /seminars/training programmes and research - oriented programmes to strengthen them in the research field. The financial support for the above mentioned activities and for paper publication is provided by the institution. Software for similarity index check is available in the institution. At least one International conference is conducted every year. Research and development committee of the institution gives directions and monitors the activities to improve the quality of research initiatives in the institution. Also, RD team arranges guest lectures for faculty members in the fields of respective research areas by eminent Scientists and erudite scholars. The committee continuously informs and give awareness to the faculty about the schemes available to apply for funded projects and for various activities.

Library, ICT and Physical Infrastructure / Instrumentation

Library operations are fully computerized. It follows OPAC system. Library renovated in the year 2017, contains spacious area for stacking the resources, a digital library, a spacious reading room and a discussion room providing the right ambiance to the library users. Classrooms are having ceiling mounted projectors with screen, wi fi and audio systems. KCT has a well maintained physical infrastructures. All areas of campus infrastructure such as House keeping, Gardening, Electrical, Networking, Safety and Security, are having adequate professional instruments to maintain and up keep the facility.

Human Resource Management

To promote, enhance and ensure the quality performance of teachers and make them more research oriented, the following steps have been implemented:

1. Financial assistance is given to faculty members as per the norms to attend national /international, seminar /conferences / events.
2. Monetary incentives are given to faculty who publish papers in reputed research journals.
3. Induction program is conducted for all new joined faculty.
4. Performance appraisal scheme has been implemented to ensure enhanced quality performance of faculty.
- 5.

	Awards and recognition for achievements in various fields.
Industry Interaction / Collaboration	<p>Students take up Industry given problems in Protosem, in which students spend an entire semester prototyping a product or solution • --- Industry sponsored labs have been created with financial and technical support of industry. Experts from Industry take specialized courses as Adjunct faculty . Experts from Industry conduct one credit courses on emerging areas . Experts from Industry are involved in Curriculum and syllabus framing, as members of Department advisory board, Academic Council, Governing body etc, All departments have collaborative MOU's with various industries in availing/sharing expertise, consultancy, internships to students and other activities. Faculty take up consultancy projects for various industries. A nodal body to coordinate efforts to liason with industry- KC-IRI has been functioning in KCT.</p>
Admission of Students	<p>As per government norms, 65 of the sanctioned intakes of the UG seats are allotted for the State Admission Authority (TNEA) and the remaining 35 is allocated under management quota. Admission procedure will start once the student receives the allotment order from the Anna University. Admission procedure will start once the student receives the allotment order from the Anna University.</p>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Administration	<p>HR operations are computerized with the dedicated mobile app to faculty and staff members. www.smartapps.kct.ac.in is a closed source of many apps for the faculty, staff and students towards paperless administrative system in various aspects of campus life. Automation of purchase process is in progress.</p>
Finance and Accounts	<p>Finance and accounts are maintained through tally software.</p>
Student Admission and Support	<p>• Basic details of the student and the parent are retrieved through profiling done via online portal www.mykct.kct.ac.in. • On completion of basic profiling, Roll number will be auto generated and an official Email ID</p>

	<p>will be created for all the students who are to be admitted in the institution. • Followed by Mentor allocation, biometric registration for each student will be processed and the database is stored as soft copy. • Fee payment is enabled in (www.feepayment.kct.ac.in), and can be done through online portal.</p>
Examination	<p>Introduction of Online examinations fee payment, Optional arrears registration, Examination Application online view, Soft copy of answer booklets, Revaluation recommendation by faculty through online, Introduction of Bar code system in the Answer Booklets, Dummy Number, Central Valuation, Students seating arrangement in online, Result publication through online and sms sent to parents, CARE 360o Student performance report (Semesterwise) sent to parents etc</p>

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
372	372	141	141

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1.Provident Fund. 2.Gratuity 3.Medical Insurance (Rs.1,50,000 to Rs.3,00,000) 4. Accident insurance 5. Six months maternity leave for female faculty 6.Salary advance 7.Gift voucher for marriage 8.Laptop scheme. Incentives</p> <p>1.Rewards and Recognition during Teachers day (a.Gold Coins, b.Coupon, c.Plague d.Parker pen and Certificates) .</p> <p>2.Incentive for publications in Scopus and Web of Science Journals. 3. Financial support to attend FDP, Workshop, National and International Conferences. 4.Yearly performance incentives and special incentives.</p> <p>5. PhD allowance for those who have completed Ph.D. Employee Engagement Activities : 1.Birthday Celebrations. 2.Movies for faculty</p>	<p>1.Provident Fund. 2. ESI 3.Gratuity 4.Medical Insurance (Rs.1,50,000 to Rs.3,00,000) 5.Accident insurance 6.Six months maternity leave for female faculty 7.Salary advance 8.Gift voucher for marriage 9. Laptop Scheme. Incentives</p> <p>1.Rewards and Recognition during Teachers day(a.Gold Coins, b.Coupon, c.Plague d.Parker pen and Certificates) 2.Financial support to attend FDP, Workshop, National and International Conferences. 3.Yearly performance incentives and special incentives. Employee Engagement Activities 1. Birthday Celebrations. 2. Movies for faculty</p>	<p>1.Management Merit Scholarship (Mahatma Gandhi Merit Scholarship) - More than 1000 students were rewarded with scholarships of Rs. 10,000/- each based on academic merit every year. 2. Support for attending seminar, conference, design contests etc. • 3. iQube, Garage and Ré - Research Cell of KCT, for students. 4.Student Clubs and Chapters 5.Counseling for personal well-being - 2 Student Counselors . 6.Scholarships offered through Governments / Management other agencies .7 Group Insurance Scheme (Accident) - Sum Insured is Rs.4,00,000/-</p>

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal External Audits The institution has a well-defined internal control system that is appropriate and commensurate with the size and nature of its activities. Adequate controls are established to ensure that assets of the institution are safeguarded, and transactions are executed in accordance with Management's authorization and are appropriately recorded in the books of account. Roles and responsibilities of people at various levels are well defined to ensure appropriate information flow and to facilitate effective monitoring. The Institution has appointed an independent internal audit firm for appraising the controls and financial records of the institution. This review is done on an annual basis and the findings are discussed with the Management / Trustees. The last review has been performed for the year ended March 31, 2019 and no major observations were found during the audit. The Internal Audit is supplemented with an Annual Review of the Financials by the Statutory Auditors, who also take into consideration the report of the Internal Auditor and discuss the findings with the Internal Auditors, wherever deemed

necessary. The Institution is regular in completion of these audits and the reports are also submitted to the Regulators on a timely basis. The Management regularly monitors the internal controls over financial reporting and ensures full compliance with various regulatory requirements.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

158.14

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Experts from NIT Pondicherry and MCET Pollachi	Yes	IQAC
Administrative	Yes	PNR Co	Yes	K.S.Aiyar Co

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Conducting Parent- Teacher meeting twice in a year to communicate the progress of the student. Orientation to the parents on the first day of the first semester. Feedback from parents in Teaching-learning process for further improvement .
--

6.5.3 – Development programmes for support staff (at least three)

Yoga and stress management. Training for effective laboratory management. Personal Wellbeing.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Revision in Syllabus and Curriculum. Collecting course feedback through student app. Increase in ICT enabled classrooms. International collaborative efforts for student internship, summer schools and student- Faculty exchange. Fully digitized Library. Increase in the enrollment of other state students in first year.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants

No Data Entered/Not Applicable !!!

[View File](#)

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Mission Pink	08/11/2018	08/11/2018	100	Nil
Holistic Health for women	30/07/2018	30/07/2018	40	Nil
Wellness rediscovery(Personal Health and Values)	04/09/2018	04/09/2018	180	Nil
Women Empowerment and Menstrual Hygiene	05/09/2018	05/09/2018	180	Nil
Women's day	08/03/2019	08/03/2019	1000	Nil
Youth Empowerment - distribution of sports kits and materials to village youth in Udayampalayam village	01/10/2018	31/10/2018	Nil	20
Medical Check-up for Female House Keeping Staff of KCT	01/02/2019	30/03/2019	60	Nil
Women's Day Celebrations - UMANG	08/03/2019	08/03/2019	70	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Solar PV installed of Capacity -250KW. More number of LED bulbs to reduce electricity consumption. Rain water Harvesting.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	11
Provision for lift	Yes	11
Ramp/Rails	Yes	11

Braille Software/facilities	No	Nil
Rest Rooms	Yes	11
Scribes for examination	Yes	1
Special skill development for differently abled students	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Students	03/06/2019	The Student Handbook containing the Vision and Mission of the institution, Quality Policy, rules and regulations, and code of conduct are made available to the students and informed during the orientation programme .
HR handbook	03/06/2019	HR hand book, which clearly outlines the code of conduct, rules for employees, policies, benefits to employees is made available in the institution website.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
View File			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Plastics usage is completely banned inside the campus.
- Several initiatives such as maintaining e-copies instead of printed copies, reusing the one-side printed sheets for writing and printing.
- The food waste and debris from plants and trees generated in the campus are used to produce organic compost.
- The campus is home to 4000 Trees, 65 species of birds and 40 species of butterflies, making it an abode of Urban Biodiversity.
- The campus is made a

water resilient campus by using various methods to harvest every drop of rainwater, recycle used water and optimize water usage in the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best practice -I

1. Title of the Practice: Engineering Clinics Learning by doing: Engineering Clinics
2. Objectives of the Practice: A set of five courses from semester 1 through 5 is aimed to enable students to learn engineering concepts in an engaging and challenging environment. Students learn to design and build simple to complex devices on their own in teams. They are also provided opportunity to experiment with innovative ideas in design and fabrication.
3. The Context Over the years a growing trend of low motivation has been observed in students, towards academic engagement. They have been analysed to be on account of various intrinsic and extrinsic factors. To address some of these factors, it was decided to bring changes in pedagogy, assessments and course goals. It was in this context, a set of hands-on, team based, tinkering lab based courses was introduced in 2017 as Engineering Clinics. The courses help students to:
 - enhance the knowledge about the process involved in the generation of ideas and building prototypes and considering the possibilities in transforming the prototype into viable commercial products through open innovation.
 - Learn effective project planning as well as technical communication by preparing reports and demos in hackathons
4. The Practice The first course provides students with an opportunity to gain a basic understanding of computer controlled electronic devices and apply the concepts to design and build simple devices. As a practical project based embedded course, the students are able to learn the concepts using a variety of reference material available in the public domain. While the course starts with formal instruction on hardware, programming and applications, the major portion of the course will provide the students with ample opportunity to be innovative in designing and building a range of products from toys to robots and flying machines. It also helps the students to build a prototype/project in their core domain easily. This course in the Project based learning mode enhances the creative thinking of the students and initiates them to learn in a self-learning mode. The second course deals with the product development cycle, starting from ideation stage to prototyping. The other courses builds on these and students work on real-world problems. Higher semester courses are based on problems that have real impact on society as well as in generation of IPR
5. Evidence of Success
 - Renewed interest in engineering
 - Wide spectrum of projects chosen and completed by students
 - Marked improvement in ability of students to take up challenging tasks, over students who took traditional practical based courses
 - Each group has a faculty coordinator/Instructor who will guide/evaluate the overall group as well as individual students. The students display their model in the 'Engineering Clinics Expo' at the end of semester. The progress of the course is evaluated based on reviews and final demonstration of the prototype.
6. Problems Encountered and Resources Required:
 - Separate course plan /training resource for non-circuit branches
 - Need to encourage adoption of equivalent open source tools/software's
 - More organized and continuous / sustained evaluation throughout the semester

Best practice -II

1. Title of the Practice: ProtoSem Right PROTOTYPE, Prototype RIGHT
2. Objectives of the Practice
 - To build permanently deployable solutions to test value, and validate market potential for UG engineering students
 - To impart necessary skills to student innovators for solving localised problems in interdisciplinary teams and build minimum usage prototypes
3. The Context ProtoSem curriculum and course at its core has the focus on enabling students to work on real-world problems, supplied by partner industries/organizations. Students are selected based on selective criteria. They learn the skills and competencies necessary to achieve progress in prototyping their innovative

ideas. Guided by the mantra Right PROTOTYPE, Prototype RIGHT , students learn the significance of prototyping and understand that building the Minimum Usable Prototype (MUP) is the first and foremost milestone in their innovation pursuits. 4. The Practice Protosem, a 20 - week immersion program that embeds an innovation centred approach to engineering education right into the core of the engineering curriculum. This first-of-its-kind program aimed at engineering tech enabled solutions for real world problems using tools offered by creative technologies covering IOT sensors and networks, 3D printing, desktop fabrication, industrial automation, robotics, low- volume electronics manufacturing and assembly, artificial intelligence and machine learning, big Data analytics cloud computing etc. The goal is to impart necessary skills to student innovators for solving localised problems in interdisciplinary teams and build minimum usage prototypes through various means such as expert training, tech and innovation mentoring, adaptive learning, thinking and exploration. 5. Evidence of Success Based on the progress / merit of students upon graduation they are offered extended pre -incubation support to complete customer trials, to develop a business execution model, and to get ready for seed capital and business acceleration. Young engineering / science students solve the real - world challenges using the tools enabled by hardware, software and in computer technologies, to create graduate innovation engineers- fully rounded professionals with more balanced skills in the innovation, Technology and Engineering talent dimensions. The program imparts sound practical as well as conceptual knowledge in key skill areas in order to enhance their employability across several sectors, to secure immediate term employment as well as to achieve faster career growth.

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

<https://www.kct.ac.in/wp-content/uploads/2020/03/Best-Practices-2018-19.pdf>

7.3 – Institutional Distinctiveness

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

KCT is striving to realise its vision of becoming an internationally reputed Technical University that shall groom students into professionally responsible, socially sensitive and culturally aware leaders. The research culture among the KCTians is phenomenal and Ré, iQube and Garage (RiG) are the student research forums that cater to inquisitive, innovative trend setters. Ré aims to cultivate and promote research and explorative culture among the student community at KCT and through this inspire students around the world. KCT's Platform for Research and Exploration (Ré) is a start-up initiated with the aim of instigating a research culture among the student community. Ré offers technical expertise and financial support to many student projects every year. Ré as a team strives to provide engineering solutions to world problems by mentoring, guiding and incubating students' research projects targeted to solutions. iQube was founded in order to bridge the gap between the students workforce and industry demands. It builds technical expertise among the students to equip them to build practical solutions for real-time problems, along with an industry or by themselves. An innovation centre for tech enthusiasts aims to bring out the explorer and maker within. It further helps tech enthusiasts to convert their innovative ideas into commercially viable and technically challenging prototypes. It also provides guidance and mentorship in finding a path to achieve what one always dream of. Garage is a student involved Product Development - Research Centre of the automotive sector. Students here design and construct vehicles that include terrain vehicle, supra vehicle, quad bike, dirt bike, go- kart and solar karts. Garage is specifically a workshop, where students design, analyze and fabricate different types of

vehicles or parts of a vehicle and compete in various motor sporting events around the globe. Kumaraguru Centre of Industrial Research and Innovation (KC.IRI), the research body of Kumaraguru Institutions was established in the year 2017 as a remembrance of Dr. APJ Abdul Kalam. KC.IRI is a focused Research 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.

Provide the weblink of the institution

<https://www.kct.ac.in/>

8.Future Plans of Actions for Next Academic Year

- Laboratories to be accredited by NABL certification
- To get NBA accreditation for all eligible UG Programmes
- To be among the Top 75 institutions in NIRF
- To introduce Post-graduate Diploma courses
- More Eco friendly Campus
- To get extension of autonomy from UGC
- To place more number of students with high salary package
- More focus on Research and Development