Yearly Status Report - 2019-2020

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)	**25-Jul-2007**
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)	https://www.kct.ac.in/wp-content/themes/twentytwenty/assets/pdf/IQAC/AQAR-2018-19.pdf

4. Whether Academic Calendar prepared during the year

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/wp-content/uploads/2021/01/Academic-Calendar-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.67**	**2009**	**29-Jan-2009**	**29-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

Parents meeting	02-Nov-2019 1	632
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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
KCT / ECE/ Dr.SA.Pasupathi	Research Grant	Meity-C DAC	2019 730	89.67
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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 :	3
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)

Facilitating the Indo – Israel International Joint Conference on Sustainable Cities (IICSC20) during 29 30 January 2020 Track: Smart city applications along with PSG College of Technology, Coimbatore

Obtained Institute-wide License from Coursera during the lockdown.3978 students completed a minimum of one online course from 500 unique courses.

Facilitating the Programme Accreditation (Out of 13 eligible UG Programmes, 12 Programs are NBA accredited under Tier I Category).

Coordination of Activities related to the Extension of Autonomous Status by UGC for 5 years

Submission of Data for NIRF Ranking (KCT Ranked 82 in Engineering Category NIRF 2020).Participation in the All India Survey on Higher Education 2020.IPR Award 2019 received from Anna University

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	Achivements/Outcomes
Green Initiatives	Paper usage policy has been implemented. Ahimsavanam- a tranquil forest garden is created
Submission of AQAR 2018-19	AQAR submitted on 29.02.2020 for the academic year 2018-19
Planned to set a research centre for Autonomous vehicle	Ongoing
Hands on Training to Faculty members on Project based learning	Conducted for Engineering Clinic and C-programming for Faculty members
Sensitizing faculty and students in IPR through IIC and IPR cell	Conducted more than 50 programs under Institution Innovation Cell during pandemic period. 8 Patents were filed and 7 were published in 2019-20
Alumni - Industry Interactions with Students	Alumni talk series conducted through Alumni Cell. Departments arranged webinars for students involving Alumni as resource person. Webinars were organised by CLED and Alumni cell under Kumaraguru Platform for Online Learning SPROUT
Mentoring Students	Training on "Effective mentoring" was given to 140 faculty members through six day webinar series
Sensitizing faculty towards research funded projects	Project of worth 211.50 lakhs sanctioned in 2019-20
To get NBA accreditation for all eligible UG courses	Out of 13 UG programmes,7 UG programmes got accredited in 2019 20 for a period of 3 years and hence in total 12 programmes have been accredited by NBA
[View File](#)	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC	11-Dec-2020

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	**2020**
Date of Submission	**25-Feb-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Mykct is a campus automation software developed as "Single Application to Serve All" a webbased application and Mobile App. It covers student enquiry, student admission, student profiling, timetable generation with assessment details semester wise, online fee payment, result processing with result publication, mentoring system for tracking students performance, various reports for analytics. Students feedback on the course is also collected through the Student app. In addition, Teaching – Learning activities are implemented and monitored through Kumaraguru Online Education portal(KOED) with MS Teams. This platform facilitates online class delivery, assessment, peer learning and student wellness measures with tracking the performance of the students. Hostel students record such as entry/exit records, outgoing permission are also maintained through ERP. For Staff Attendance, leave requests, Students corner, Grievance redressal, KCT career activities are available with smartapp.kct.ac.in. Employee payroll, income tax declaration through TalentPro software.**

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
Nill	**No Revision**	**Nill**	**Nill**
No file uploaded.			

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
BE	Aeronautical Engineering	10/07/2019	U15GST005 – Engineering Economics and Financial Management	10/07/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Electronics and Instrumentation Engineering	02/12/2019
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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
BTech	Textile Technology	10/07/2019
ME	Structural Engineering	10/07/2019
ME	CAD CAM	10/07/2019
ME	Industrial Engineering	10/07/2019
ME	Power Electronics And Drives	10/07/2019
ME	Embedded System Technologies	10/07/2019
ME	Applied Electronics	10/07/2019
ME	Communication Systems	10/07/2019
ME	Environmental Engineering	10/07/2019
ME	Computer Science And Engineering	10/07/2019
Mtech	Apparel Technology	10/07/2019
Mtech	Data Sciences	10/07/2019
Mtech	Masters Of Technology Management	10/07/2019
Mtech	Bio Technology	10/07/2019
MBA	Master Of Business Administration	10/07/2019
MCA	Master Of Computer Applications	10/07/2019
BE	Aeronautical Engineering	10/07/2019
BE	Automobile Engineering	10/07/2019

BE	Civil Engineering	10/07/2019
BE	Computer Science and Engineering	10/07/2019
BE	Electronics and Communication Engineering	10/07/2019
BE	Electrical and Electronics Engineering	10/07/2019
BE	Electronics and Instrumentation Engineering	10/07/2019
BE	Mechanical Engineering	10/07/2019
BE	Mechatronics Engineering	10/07/2019
BE	Information Science and Engineerng	10/07/2019
BTech	Bio-Technology	10/07/2019
BTech	Fashion Technology	10/07/2019
BTech	Information Technology	10/07/2019

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
Aero Engine ONWING OFFWING Procedures Certifications	06/09/2019	11
[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
BE	Electronics and Communication EngineeringFile uploaded	105
[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
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 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
BE	Aeronautical Engineering	60	Nill	55
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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
2019	5093	736	220	23	122

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
365	365	166	103	2	50

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 focuses of this mentorship is prior acquaintance, cordial relationship and endowing guidance to the student community. Mentor and mentee relationships 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. • During the pandemic Covid 19, Mentors maintained close mentoring of mentees and provide moral support focusing on their personal betterment and future prospective. • Mentors always get in touch with their mentees through mail and whatsapp to share receive updates limiting to sharing articles, link videos related to academics and credible updates on COVID 19. Mentors connect with students: a. To enquire about their health wellbeing and those of their family members. b. To remind them of their responsibility of following the Government instructions, safety precautions and also to take care of their elders at home. c. To enquire about KPOL (Kumaraguru Platform for Online Learning), their online learning progression. d. To discuss about the ways they are engaging themselves apart from online classes. e. In an effort to motivate congratulate medical professionals, support staff and other essential service providers during the Pandemic, mentors enquire the students on whether their family members are involved in such work and they shall convey their gratitude for their service in critical times. f. Had an interactive session on the health and emotional well being of the students, safety measures and health related aspects , Arogya Sethu app importance, academics, online teaching and preparation for arrears if any and study plan were discussed.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5829	365	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
312	366	Nill	9	181

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	Designation	Name of the award, fellowship, received from

2020	Dr. G.Ramakrishnan	Professor	NRDC National Societal Innovation Award of the Year 2019, for innovation / invention "Low Weight Modified Jacquard for Handloom Weavers" with award Rs. 3 Lakh (Rupees Three Lakh) under the category

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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
BE	CIVIL ENGINEERING	8/IV	30/09/2020	17/10/2020

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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
Nill	5829	0

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/wp-content/uploads/2021/01/PSOPOCO-19-20.pdf

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
CE	BE	Civil Engineering	135	133	98.52

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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/2021/01/Student-Satisfaction-

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

Yes
Name of the teacher getting seed money
Anush.P (Mechatronics)
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	**Dr.P.S.Samuel Ratna Kumar**	**Postdoctoral Fellowship, Faculty of Engineering and the Built Environment**	**03/10/2019**	**University of Johannesburg, South Africa**
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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
Interdisciplinary Projects	**730**	**Meity-C DAC**	**89.67**	**8.4**
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.0329

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
IPR Online Quiz in commemoration of World IPR Day	**IPR Cell**	**27/04/2020**
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

Top 25 best in Innovation and business Enterprise development for students	Kaushikaa Siddharthan C	AICTE, Delhi	08/09/2019	Top 25 best in Innovation and business Enterprise development for students

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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
Coimbatore Innovation and Business Incubator	Shyam Mohan Murari	iDEX, Ministry of Defence	Tatvabodh	Body Protection System	23/08/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Civil Engineering	1
Fashion Technology	1
Textile Technology	2
Electronics and Instrumentation Engineering	2
Electronics and Communication Engineering	1
Mechanical Engineering	1
Biotechnology	1
Mathematics	1

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)
International	International	8	0.39

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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
Computer Science and Engineering	14

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Smart Product Dispenser and Method Thereof	Filed	202041002403	20/01/2020

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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
A Novel Profiled Multi-Pin Electrospinning System for Nanofiber Production and Encapsulation of Nanoparticles into Nanofibers	Prabu, G.T.V., Dhurai, B.	Scientific Reports	2020	Nill	Kumaraguru College of Technology	1

[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
A Novel Profiled Multi-Pin Electrospinning System for Nanofiber Production and Encapsulation of Nanoparticles into Nanofibers	Prabu, G.T.V., Dhurai, B.	Scientific Reports	2020	Nill	1	Fashion Technology

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

Number of Faculty	International	National	State	Local
Presented papers	82	34	2	Nill
Resource persons	13	36	26	26
Attended/Seminars/Workshops	269	2030	74	128

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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)
Mechanical Engineering	FEA Analysis of Railway coach brake system for Thermal Structural stress, Fatigue life and natural frequencies	M/s. High Precision Industry, Coimbatore	200270

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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
MBA	FDP on Entrepreneurship	EDII Ahmedabad	200000	22
KCIRI	Product Design Engineering	Altran	231658	16
Sakth Excellence Academy	Training Diploma Students	Cameroon	13296250	55

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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
Tuitions for School students in Rural Learning Centre (RLC), Udayampalayam (June 2019 to March 2020)	Rural Learning Centre (RLC), Udayampalayam	5	5

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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
National Voters day Rally -Electoral Literacy for stronger democracy	Appreciation award for participating in district rally for voters day awareness from district collector and district election officer, 25-01-2020	District Collector and District Election Officer	40

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 activites	Number of students participated in such activites
UBA Survey	NSS/KCT	The UBA is a household survey aims at collecting and analysing a particular village about the availability of basic needs .	2	23

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
Research Project Grant sponsored by Ministry of Textiles, Government of India under RD scheme in collaboration with Industry M/s Manju Exports Pvt. Ltd., Karur	Dr. M. Saravanan. (KCT) and Mr.Arjun (Industry person)	M/s Manju Exports Ministry of Textiles	730

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
Industry-Institue collaboration	Internship	Infosys ,Mysore	22/12/2019	22/04/2020	Gokulraj M S

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
Institution of	20/02/2020	2019-20:Guest	310

| Valuers (IOV), Coimbatore | | lecture | |

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
13358000	7090000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	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

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 patially)	Version	Year of automation
Koha	Fully	18.11	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	108059	40343605	286	257514	108345	40601119
Reference Books	2549	10445754	37	242733	2586	10688487
e-Books	Nill	Nill	1719	Nill	1719	Nill
Journals	181	453445	150	419445	331	872890
e-Journals	8929	2285777	8929	2080039	17858	4365816

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
All Faculty	Academic Course content	Moodle / Google classroom	19/03/2020
[View File](#)			

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	2532	1646	2532	98	130	252	508	256	15
Added	0	0	0	0	0	0	0	0	0
Total	2532	1646	2532	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
Media Centre	https://www.kct.ac.in/media-centre/

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 incurredon maintenance of physical facilites
31894000	23289000	287408000	241065000

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.

https://www.kct.ac.in/wp-content/uploads/2021/01/Procedures-and-policies-for-maintenance-of-campus-facilities.pdf

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
Financial Support from institution	Mahatma Gandhi Meritorious Scholarship	1072	10630000
Financial Support from Other Sources			
a) National	Prime Minister Special Scholarship Scheme (PMSSS)	15	943614
b)International	Nill	Nill	Nill
[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 implemetation	Number of students enrolled	Agencies involved

Summer Training	27/05/2019	1270	Sixphrase,Benchmark,Innovative services,Vistamind,Smart,Face

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 passedin the comp. exam	Number of studentsp placed
2019	Company Specific training	Nill	587	Nill	520

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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Pasteur Institute	15	2	Accenture	369	194

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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE	Aeronautical Engineering	University of Wollongong	M.S Supply Chain Management and Project Management

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	4
CAT	1

GRE	4
Any Other	37
[View File]()	

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

Activity	Level	Number of Participants
Jananam 2020-30.01.2020 37	Institution level	1000
[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
2020	Gold medal in Anna University Inter Zone Boxing Women competition held at Paavai Engineering College, Namakkal	National	1	Nill	18BCS204	Ahalya
[View File]()						

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

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 and forums, 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 policies, introduce, enhance processes and resolve student challenges. 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. They are in IQAC composition as per NAAC and they attend IQAC meetings and express their opinions. Some of the notable 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 Prefinal year

final year students of KCT to carry out their curriculum-based project and Course Completion projects respectively. ? Kumaraguru Online Education (KOED) is a platform, conceptualized by in-house team consisting of staffs and students across various domains, incorporating global best practices to facilitate effective online blended learning for students. ? Being part of KARE (Kumaraguru Action for Relief Empowerment), students initiated and coordinated plans like helpline calls, aiding post-harvest retails for farmers, distribution of food through the collectorate etc., during the pandemic. Other projects put forth by the council are establishing a workspace for fashion and textile technology students, developing a permanent RC track, proposal to make NCC (National Cadet Corps) as a 3-credit elective, recommendations to enhance the university question paper format, revamping OBT (Out Bound Training) policy, promoting mental health awareness through SEP (Student Empowerment Programme) and engaging hostel students through weekly fitness challenges. In addition to this, weekly calendars combining the details of the technical and non-technical events are collated and shared across media by the student leaders to provide overall information about the happenings in the college.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

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:

27359

5.4.3 – Alumni contribution during the year (in Rupees) :
746751

5.4.4 – Meetings/activities organized by Alumni Association :
26-Jul-2019 Silver Jubilee celebrations 1990-94 batch, 20-Jul-2019 Team Evoke 5 year anniversary, 28-Dec-2019 Global Alumni Meet 2019, 18-Jan-2020 Garage Alumni Meet 2020, 25-26 Jan-2020 Alumni Sports Meet 2020. Alumni Talks 07-Aug-2019 PARK - 31ST YEAR ORIENTATION of NSS RRB VBC club of KCT,Mr.Jothiramalingam, Head - centre leadership, Firebird Institute of Research Management. 22-Aug-2019 Interactive and Informative Sessions for Defence Aspirants Prithivi Pandian, Captain at (2012-16, Aeronautical Engineering). 4-Sep-2019 Inaugural function of ECE Department Association function Mr.Suresh Augustine (ECE,1989 -1993 batch), Head of Department, Car Multimedia engineering, RBEBSL, Bangalore. 17-Sep-2019 Interactive session on Mental Health Awareness by Sahitya Mr.Sangeeth Eswaran (2013-17 Mechanical batch) 19-Sep-2019 Installation ceremony of CSE ISE department association Mr. Vinod Kumar Manokaran (CSE, 1998 - 2002) - Senior project manager, CTS. 21-Sep-2019 Installation ceremony of Civil department association Mr.Muthukumar Dorairaj, (Civil, 1990-94) - Chief Engg Manager, LT. 24-Sep-2019 Guest talk to Structural Engg students Mr.Muthukumar Dorairaj, (Civil, 1990-94) - Chief Engg Manager, LT. .27-Sep-2019 Guest talk to final year civil students Mr. Prasanna, (Civil, 1989-93) - Manager Design Head, LT, Qatar. 28-Sep-2019 Critical Thinking workshop for Alumni Session by Mr. Milan Pandya, Author Expert - Critical Thinking, Argumentation, Communication Philosophy. 30-Oct-2019 Career guidance program - ECE - IEI chapter Mr.Nambiraj, (ECE, 2009-2013) - Software program manager for GM manager, Robert Bosch. 13-Feb-2020 Karur Coffee Table Talk. 22-Feb-2020 Aero Talk Ignite Mr.Rajmohan (2006-2010, Aero) Founder of Six pack yogi Manager, TOI Mr.Rajavarman (2013-2017, Aero) P3 Aerospace. 24-Feb-2020 Guest talk on Journey of a student from KCT to KCT Mr. Venkatakrishnan (1984-1988, EEE) 24-Feb-2020 Guest lecture on Entrepreneurship and summer internship opportunities in International poultry farming Mr. Raam Mohan.N.U (2008-2012, Mechanical). From 03-Apr-2020 to 9-May-2020 Alumni #KPOL Series- 33 talks by Alumnus. From 09-May-2020 to 27-Jun-2020 Alumni Talk series -10 sessions.

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)

As a continuous pursuit of good governance, decentralising the major academic domains was implemented in 2019-20.The following major domains, viz., 1.Department of. Academics (DoA) was created to take care of the planning and innovation part in curriculum development. Flexible and Comprehensive Learning Framework (FCLF) is another unit part of DoA to focus on electives and limited credit courses aimed at skill development for students. Also, the Academic Audit Unit was also integrated with the Department of Academics for better coordination, faster implementation and support to the Academic Leadership. During the pandemic, DoA established a Working Group, further decentralising the academic planning which culminated in the creation Kumaraguru Online Education Platform (KODE) . 2. An RD Working Group was constituted to coordinate the grant applications and proposals, dissemination of funding schemes, review and support to the ongoing RD projects, review of publication activities, Management of the Approved Research Centres and other associated activities. Such a decentralised set up resulted better focus on this critical area. 3. Accreditation by NAAC and NBA and Ranking by NIRF have become the important tools of assessment of various aspects academics both at

institutional and program levels. An exclusive unit was established to integrate these activities which could oversee the preparations of non-accredited programs towards accreditation, review the SAR from those applicant programs, renewal of programs whose accreditation is likely to expire shortly etc. 4. Faculty Development is a critical task in a higher education institution. For a dedicated focus on competency mapping of faculty and staff, identification of training needs, dissemination of information on FDPs, training programs and webinars, a Learning and Development Academy was put in place which could coordinate the training of faculty members on online teaching. 5. Another important domain was Placement and Training which is a crucial measurement of the quality of learning of students in terms of knowledge, skills and attitude. These five domains were brought under the Dean with exclusive Heads and for each sub-domain. Further, these domains were connected through the Faculty Coordinators in each department for processing the data, review and quality check independently. Such a decentralisation has significantly speeded up the processing time, quality of review and the outcomes besides providing better time to the academic leaders for focussing on other areas such as Industry-Academia Partnership, quality of teaching-learning, collaborative research, etc.

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	Strategy Type Details Admission of Students • As per government norms, 65 of the sanctioned intakes of the UG seats are allotted by the State Admission Authority (TNEA) and the remaining 35 is allocated under management quota. • Jammu Kashmir students are admitted under Prime Minister Scholarship Scheme • Visiting premier schools and creating awareness to students on Engineering • STEM program to school students to introduce science and Engineering concepts • Engaging NGOs to attract native talents and economically weaker students • Offering admission to meritorious students in Government schools with 100 tuition fee waiver and free boarding and lodging • Fee waiver to Alumnus joining in PG programmes 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: • Financial assistance is given to faculty members as per the norms to attend national /international, seminar /conferences / events. • Monetary incentives are given to faculty who publish papers in reputed research journals. • Induction

program is conducted for all new joined faculty. • Performance appraisal scheme has been implemented to ensure enhanced quality performance of faculty. • Awards and recognition for achievements in various fields. • K-Stear has been implemented to track the work carried out on a day to day basis even when staff are working from home. • Implementation of Online portal for tracking entry of staff from the beginning of Covid lockdown. • Weekly forum through online where all the staff get to know the updates in the institution and also Knowledge building sessions. • Obtaining approvals for attending FDP/Workshop / Events made online Library, ICT and Physical Infrastructure / Instrumentation • Library operations are fully computerized It follows OPAC system. • Library 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. • Upgradation of academic and support infrastructure (high speed internet, upgraded lab /equipment, Classroom facilities, etc). • 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. 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. • Two International conferences are conducted in2019-20. • 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. Industry Interaction / Collaboration • Students take up Industry given problems in Protosem, in which students spend an entire semester prototyping a product or solution. • 15 Industry sponsored labs have been created with financial and technical support of industry. • 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. • Kumaraguru Centre of Industrial Research and Innovation cell has partnered with industries for the promotion of industry-specific applied research and innovative product development. KCIRI partnered with Altron Technologies India Pvt. Ltd., Cameron Manufacturing India Pvt Ltd to conduct training and certification programmes. Also, received a project from DRDO of worth 37.6 lakhs in the year 2020 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. Teaching and Learning • Skill development through Industry offered theory and lab courses. • Flexible assessment options in Open electives. • Introduced assessments that involve creative and analytical questions in the line of competitive exams like GATE, UPSC • Placement related training in technical domains • 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. The primary focus of which has been around developing a deployable permanent prototype. • Learning beyond the classroom is encouraged via various Forums and Clubs. • Kumaraguru Platform for online teaching is introduced • Students are motivated to complete online certification courses under Coursera , NPTEL, Edex, Udemy etc under the guidance of faculty members 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 competency 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 assessments that involve creative and analytical questions in the line of competitive exams like GATE, UPSC • Placement related training in technical domains • 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. The primary focus of which has been around developing a deployable permanent prototype. • Learning beyond the classroom is encouraged via various Forums and Clubs. • Kumaraguru Platform for online teaching is introduced • Students are motivated to complete online certification courses under Coursera , NPTEL, Edex, Udemy etc under the guidance of faculty members
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. • Two International conferences are conducted in2019-20. • 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 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. • Upgradation of academic and support infrastructure (high speed internet, upgraded lab /equipment, Classroom facilities, etc). • 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: • Financial assistance is given to faculty members as per the norms to attend national /international, seminar /conferences / events. • Monetary incentives are given to faculty who publish papers in reputed research journals. • Induction program is conducted for all new joined faculty. • Performance appraisal scheme has been implemented to ensure enhanced quality performance of faculty. • Awards and recognition for achievements in various fields. • K-Stear has been implemented to track the work carried out on a day to day basis even when staff are working from home. • Implementation of Online portal for tracking entry of staff from the beginning of Covid lockdown. • Weekly forum through online where all the staff get to know the updates in the institution and also

	Knowledge building sessions. • Obtaining approvals for attending FDP/Workshop / Events made online
Industry Interaction / Collaboration	• Students take up Industry given problems in Protosem, in which students spend an entire semester prototyping a product or solution. • 15 Industry sponsored labs have been created with financial and technical support of industry. • 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. • Kumaraguru Centre of Industrial Research and Innovation cell has partnered with industries for the promotion of industry-specific applied research and innovative product development. KCIRI partnered with Altron Technologies India Pvt. Ltd., Cameron Manufacturing India Pvt Ltd to conduct training and certification programmes. Also, received a project from DRDO of worth 37.6 lakhs in the year 2020.
Admission of Students	• As per government norms, 65 of the sanctioned intakes of the UG seats are allotted by the State Admission Authority (TNEA) and the remaining 35 is allocated under management quota. • Jammu Kashmir students are admitted under Prime Minister Scholarship Scheme • Visiting premier schools and creating awareness to students on Engineering • STEM program to school students to introduce science and Engineering concepts • Engaging NGOs to attract native talents and economically weaker students • Offering admission to meritorious students in Government schools with 100 tuition fee waiver and free boarding and lodging • Fee waiver to Alumnus joining in PG programmes.

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

E-governace area	Details
Administration	• HR operations are computerized with the dedicated mobile app to faculty and staff members. • www.kct.ac.in is a

		intra source of many apps for the faculty, staff and students towards paperless administrative system in various aspects of campus life. • Automation of purchase is in process
	Finance and Accounts	• Finance and accounts are maintained through tally software. • Payments are received through ERP - online mode
	Student Admission and Support	• Basic details of the student and the parent are retrieved through profiling done via online portal www.mykct.ac.in. • On completion of basic profiling, Roll number will be auto generated and an official Email ID 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 an online portal.
	Examination	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 360 degree Student performance report (Semester wise) sent to parents etc.,
	Planning and Development	To improve the quality of academic activities management, an ERP, viz., KITE and for communication management, Microsoft Teams were deployed. KITE is a ERP platform providing various features such as • Student and Faculty Records • Academic Planning • Teaching Plans • Attendance • Assignments • Online Assessments • Examinations Question Bank • Co-curricular Activities • CBCS • OBE • Student Leave Management • Communications Decentralised structure: While the Department of Technology Services was the Nodal Unit for the implementation, a Core team consisting of Senior Academicians lead by the Dean (Academics) was constituted besides nominating 'Tech Champion' for each department, to undergo the training and

disseminate the learning to all fellow faculty and staff members. Implementation Plan: Further, exclusive channels were created Institutional, Academic, Administrative activities and teams were also created under each channel to decentralise the planning and implementation after many rounds of consultation involving all stakeholders Training: Further, Training programs were organised for the Tech Champions towards the implementation of KiTE and Microsoft Teams across the departments and for MS Teams id for all faculty, staff and students. Outcomes: Using the MS Teams facility, the institution was able to connect with the students and parents and F2F meetings were organised with them to interact with them on the status of teaching learning process and also with parents to address their queries on their ward's education. The facility along with KITE continues to be deployed in most of the academic activities as cited.

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
2019	SENTHILKUMAR M	11th internation exergy, energy and environment symposium,SRM, Chennai	NA	8330
[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)
2019	Proficiency Improvement Program (PIP) on Product	NA	23/10/2019	23/10/2019	20	Nill

Life Cycle Management in partner ship with SAEINDIA				
[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
Accreditation and Outcome based learning	1	08/10/2019	28/10/2019	7
[View File](#)				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
366	366	351	351

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Provident Fund. 2. Gratuity 3. Medical Insurance 4. Accident insurance 5. Six months maternity leave for female faculty 6. Gift voucher for marriage 7. Laptop scheme. 8. Rewards and Recognition during Teachers day (Coupon, Plague and Certificates) 9. Incentive for publications in Scopus and Web of Science Journals. 10. Financial support to attend FDP, Workshop, National and International Conferences. 11. Yearly performance incentives and special incentives. 12. PhD allowance for those who have completed Ph. D. 13.Subsidised transport facility	1. Provident Fund. 2. ESI 3. Gratuity 4. Medical Insurance 5. Accident insurance 6. Six months maternity leave for female faculty 7. Gift voucher for marriage 8. Laptop Scheme. 9. Financial support to attend FDP, Workshop, National and International Conferences. 10. Yearly performance incentives and special incentives. 11.Subsidised transport facility	1. Mahatma Gandhi Merit Scholarship is awarded to 16 of students every year. In 2019-20 an amount of 115 lakhs was disbursed. Also scholarships are awarded to students achieved in sports, NCC etc., 2. Tuition fee is waived to 84 students amounting 43 lakhs. 3.Fee waiver to Alumnus in PG 4. Support for attending seminar, conference, design contests etc. 5. iQube, Garage and Ré – Research Cell of KCT, for students. 6. Student Clubs and Chapters 7. Counselling for personal well-being - Two professional Student Counsellors are in the institution to help the students 8. Scholarships offered through Governments / Management other agencies 9. Group Insurance Schemes

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, 2020 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
Financial support from Management	20654330	Scholarship and financial support
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6.4.3 – Total corpus fund generated

33791000

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	Academicians from premier institutions	Yes	Academic Audit team
Administrative	No	Nill	Yes	Internal Team

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

Parent- Teacher meeting conducted every year to communicate the progress of the students . Feedback are received from parents in Teaching-learning process for further improvement. Parents of first year BE/B.Tech students are invited for the orientation programme "SWAGATHAM" on the first day and elaborated about the academic practices of the institution Parents are also the members of the IQAC.

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

Workshop on Qualnet v7.4 Software Training on MS EXCEL to Non teaching and support staff English Made Easy - Workshop to Enhance Speaking Skills Assistance to attend training programmes

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

Revision in Syllabus and Curriculum. Outreach programs through STEM and by departments to school students Active learning methods, Project based learning methods adopted Online teaching - learning process implemented

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
2020	Kumaraguru Platform for online learning	17/03/2020	17/03/2020	31/08/2020	6195
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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
Skill Training Program for Women in Tailoring Embroidery in Udayampalayam and Vellakinar Villages	01/07/2019	30/09/2019	58	Nill
Certificate distribution ceremony for Women, who have undergone Skill development Training in Tailoring and Embroidery, conducted by Kumaraguru Institutions and Namadhu Pangu in	24/09/2019	24/09/2019	58	Nill
KCT in collaboration	16/10/2019	16/10/2019	60	40

with SPIC-MACAY (Society for the Promotion of Indian Classical Music and Culture Amongst Youth) organised a Lecture Demonstration by Smt. Uma Sat hyanatrayanan, a Bharatanatyam Dancer from Chennai at KCT campus premises.				
UMANG 2020 – an event with an effort to appreciate the Male Housekeeping Staff of KCT	06/01/2020	06/01/2020	70	Nill
Women from Udayampalayam and Vellakinar villages participated in a Jewellery making event by Yugam Socio Constant, KCT.	12/02/2020	12/02/2020	20	Nill
Women's Day Celebrations in KCT	14/03/2020	14/03/2020	80	Nill
Interest Catchers	21/08/2019	21/08/2019	100	Nill
Ability Tutelge (Inaguration)	04/09/2019	04/09/2019	50	Nill
Ikigai	19/09/2019	19/09/2019	50	Nill
Think And Link	03/10/2019	03/10/2019	30	Nill
Pencil Carving Workshop	12/09/2019	13/09/2019	40	Nill
Self Defence Workshop	21/01/2020	25/01/2020	15	Nill
Cooking Without Fire	04/02/2020	04/02/2020	45	Nill
Parenting Techniques	19/12/2019	20/12/2019	25	Nill

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
The Institute has implemented various measures to be environmentally conscious campus in terms of reducing the dependence on fossil fuels, increasing the green cover, water harvesting and efforts to recycle and reuse the resources. 1. Green Cover Kumaraguru College of Technology has 4800 fully grown trees on the campus, irrigated through recycled water. In addition to that green cover in the form of landscape with Mexican grass and shade grass is maintained over an area of 15 acres. Commemorating the 150th birth anniversary of Mahatma Gandhi, the Microcosm of Kumaraguru Institutions initiated the Ahimsa Vanam, a tranquil forest garden, curated to with multifunctional landscape to enhance urban resilience with a vision to support rich biodiversity with 150 species of ?ora that includes ?owering and fruit trees, shrubs, vines and medicinal herbs. On 05 June 2000, KCT initiated the Inhouse Campus Native Nursery. 70,000 seedlings were sprouted and maintained at ready-to-plant condition, to support the green initiatives inside the campus. Kumaraguru is set to become a water resilient campus by using various methods to harvest the rainwater and recycle the wastewater. A percolation pond dug on 02 Oct 2019 has collected 50,00,000 Litres of water from monsoons during the year 2019-2020 to sustain the green cover initiatives. 2. Renewable energy sources Kumaraguru College of Technology has installed the solar panels with a peak capacity of 250 KW over the rooftops of the buildings. In annualized basis, 10-15 of the total power requirements is utilized from solar power generation. Campus Water distribution audit and has been documented. An Energy Audit of the pumps was carried out by CoINDIA. Recommendations on replacing the ine?cient pumps are submitted for review and action.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	6
Provision for lift	Yes	6
Ramp/Rails	Yes	6
Rest Rooms	Yes	6
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	6
Braille Software/facilities	No	Nill

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
2019	1	1	05/06/2019	1	Environment Day – initiat	Environmental awareness	12

					ives in Schools	

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
HR handbook	01/06/2019	HR handbook outlines the code of conduct, rules for employees, policies, benefits to employees is made available in the institution website.
Students Handbook	01/09/2020	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

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day Celebration	15/08/2019	15/08/2019	950

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

1. Jal Shakti Abhiyan – Water Conservation and Rainwater Harvesting Water conservation measures have been implemented in the campus in the Hostels, Mess, Canteen and restrooms with self-closing taps, individual channels for every blocks with distributed storage systems. Sprinklers, drip irrigation systems are installed in the gardens, lawns to optimize the water consumption in these activities. Wastewater collected in the campus are treated in the Sewage Treatment Plant, with an installed capacity of 10 LLPD, with a storage capacity of 2 Lakh Litres, is used for gardening and irrigating the landscapes. Rainwater Harvesting structures and recharge wells have been commissioned in the campus at di?erent locations. This would percolate a minimum of 85,000 litres of water in an hour of moderate rain. Besides, every building is equipped with rainwater harvesting facilities, through the ground water is recharged during the rainy seasons. 2. Biodiversity Enrichment - Tree Planting The KCT campus has 4800 trees in an area of 150 acre, which includes 100 varieties of trees , provides a shelter for native birds, migratory birds to the tune of 70 species as a safe place to live. The Ahimsa Vanam, a mini-forest atmosphere has been curated with a rich biodiversity of 150 species of ?ora that includes ?owering and fruit trees, shrubs, vines and medicinal herbs. Around 600 New saplings planted in the campus as a part of Bootcamp and during the remembrance day of Dr APJ Abdul Kalam by the ?rst year students of KCT. 3. Biocomposting of Vegetable Wastes and Organic Farming KCT has reduced the dependence on the use of synthetic fertilizers considerably using natural substitutes, wherever possible.A biocompost bin with 1-ton capacity has been installed in the campus to digest various compostable wastes. Vegetable peels,

generated in the mess and canteen to the tune of 250 kg / day, are ?lled in the bin with a mixture of coco pit to produce the organic manures 4. Policy on Paper Usage and Resource Recovery This policy has been implemented with guidelines to reduce the paper usage by the students. Student Assignments, Mini-Projects and Final Year Projects are submitted in the e-form to eliminate the paper usage that has resulted in 60 usage of paper. Resource Recovery Park is an ongoing project where the campus wastes are collected, sorted, stored and processed based on their nature. This park is equipped with secured and standardized amenities. Sustainable waste management techniques such as recycling, composting and incineration are adopted for managing the campus generated wastes. 5.Maintaining Green Corridor Certain locations within the campus are identified as Green Corridor, where the vehicle mobility using fossil fuels are restricted and walking is encouraged. All vehicles entering the campus are parked near the main gate to avoid the unnecessary mobility of the vehicles on the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-I Title of the Practice: Innovation eco system for start-up and commercialization Objectives of the Practice: Prime objective of this initiative is to create young innovators and start-up technopreneur in Kumaraguru College of Technology through Institution's Innovation Council (IIC). To conduct seminar/ webinar/ workshops/ conference related to advanced and booming areas in engineering / technology, Innovation, critical thinking, start-up, entrepreneurship, Intellectual property rights, commercialization, licensing etc., To set up a greater number of pre incubation and project laboratories in the advanced areas of every department cluster. To setup facilitating centres such as incubation units, research park, Industry Institute interaction cell, Intellectual property Rights cell, Licensing/ commercialization centre etc for the benefits of students, alumni and faculty members. To create promotive policies in the area of Innovation and Entrepreneurship for sustainable development of College. The Context: Students and faculty members of HEIs are with abundant of knowledge in innovation, novelty, creative thinking etc. But proper guidance, providing necessary lab facility, needy funds, introducing related government body, research methodology, facilitation for POC, prototyping, start up etc are key area where HEIs should focus to develop the Innovation eco system. Major challenges here are Incorporating curriculum and syllabus inline with innovation eco system, lack of industry institute interaction, continuous update of technology in faster rate, lack of advanced lab facility with hardware and software, Global competition etc. With these challenges, IIC of KCT has made several initiatives in line with the above mentioned objectives to practice the innovation eco system in the campus to move into the next level in the development of College. The Practice: KCT Institute Innovation Council involves working with a variety of faculties and students in cultivating the culture Innovation and Entrepreneurship. It has secured 5 star rankings nationwide. KCT Garage: KCT Garage is a student involved product development center for automotive. Students of Garage design and fabricate vehicles which include All terrain vehicle, Formula Car, Quad bike, dirt bike, go – karts and solar karts. Garage is a platform to research and experiment on their new ideas about automotive components, machinery and fabricate different types of vehicles and compete in various motor sporting events around the Globe. KCT Garage serves as a student skill development center, a design hub ,as a fabrication center and assists in manufacturing of components. iQube: iQube is an innovation Centre for every tech enthusiasts that aims to bring out the explorer and maker within. It further help tech enthusiasts to convert their innovative ideas into commercial variable/Technically challenging prototypes. It also provides guidance and

mentorship in finding path to achieve what one always dreamt of. Re KCT: Ré, motivate students to take up research and to encourage the students interested in research, to convert their ideas to reality. The projects proposed by the students will be scrutinised by a review panel pertaining to the project. The selected projects will be funded and carried out at Ré. will also guide students to obtain patents and we will be providing them with good mentors, equipment and a better research environment. Ré calendar will provide students with innovative competitions and conferences happening throughout India. Further, workshops on various innovation and entrepreneurship-related activities, lecture series, visit to incubation centre, conducting internal Hackathon periodically on various innovation and entrepreneurship-related activities made the students to get equipped with Industry standard skills. Evidence of Success: • 221 innovation related programmes conducted for more than 1500 participants • 28 pre incubation centres set up in advanced areas • IPR cell is active and continuous registration is under process ? 52 Patent filed and published ? 5 Patents FER received ? 5 Design IP registered ? 1 Design IP granted ? 4 copyright registered • FORGE -Coimbatore Innovation Business Incubator (CIBI) ? Protosem feature ? Advanced Lab Facilities ? MBA - Innovation, Entrepreneurship Venture Development ? KCAIR - Kumaraguru Centre for Artificial Intelligence and Robotics Recognitions: ? ARIIA 2019 Ranking: Ranked as Top 100 ? IIC rating: 2019: FOUR GOLD STAR ? KCT IIC rating: 2020: FIVE GOLD STAR Problems Encountered and Resources Required: Need to have more industry experts during the Smart India Hackathon 2020 preliminary and final rounds of the Hackathon. So that the student's projects could have better refinements and improvements for the final round. A dedicated students and faculty teams needs to be framed in each department for increasing the student's participation and to coordinate with KCT-IIC to explore more on innovation. Any other Details: Kumaraguru College of Technology was one of the 48 Nodal centers to host Smart India Hackathon 2019 - Software Edition which was held on 02, 03 March 2019. A total of 27 teams from various part of the country participated. Best Practice-II Title of the Practice: Active Learning Objectives of the Practice: Active learning is an approach to instruction that involves actively engaging students with the course material through discussions, problem solving, case studies, role plays and other methods. Active learning approaches place a greater degree of responsibility on the learner than passive approaches such as lectures, but instructor guidance is still crucial in the active learning classroom. The main objectives are • To help promote higher order thinking skills among the students • To engage students in deep rather than surface learning, and enable students to apply and transfer knowledge better. • To make the students to think, create and solve problems rather than passively listen to lecture. The Context: Active learning emphasis the focus on the learner, what a learner does, thinks, and behaves. There is a plethora of studies on the benefits of active learning. Research has proven that there is increased content knowledge for participants of the approach. In addition, development of critical thinking and problem-solving are two other benefits. Creative thinking, collaborative, and interpersonal skills also show great improvement when active learning methods are implemented. The Practice: The active learning process produces the students on having a lot more creative thinking by implementing into their basic skill of talking, listening, reading, reflecting as well as writing. Some of the active learning strategies are : • Mind mapping / Brainstorming Mind mapping and brainstorming are staple methodologies for problem-solving activities. In these sessions, learners come up with ideas and post them on a board. As a group, the students, select the best ones and come up with a solution. Learners use their own device and collaborate with others in coming up with a mind-map or idea tree. • Clarification Pauses This technique aims at fostering "active listening". Throughout a lecture, particularly after stating an important point or defining a key concept, the instructor stops talking, lets the material sink in, and

then (after waiting a bit) asks if anyone needs to have anything clarified. • One-Minute Paper It is a highly effective method for checking student progress and for providing a consistent means of communicating with students. To implement this method, the instructor simply stops class a few minutes early, poses a specific question , and give students one minute to respond. • Reciprocal questioning Use reciprocal questioning to encourage an open dialogue in which students take on the role of the teacher and create their own questions about a topic, reading section, or lesson. Reciprocal questioning can be particularly useful when: (i) Preparing for tests or exams (ii) Introducing a new topic or section of course content and (iii) Discussing reading or writing materials in greater detail • The muddiest point technique This technique involves asking students to write notes on the most unclear or most confusing element of a given homework assignment, lecture, or class discussion. Asking students to write down what they find to be the least clear is a powerful exercise because it compels them to grade or rate their own knowledge of a topic.This helps students to identify concepts needing further examination or study. • Learning by Teaching Allowing learners to prepare and teach the lessons (or part) to their fellow students is this strategy. It actually makes the students to search the subject matter and become expert. • Role Playing Role playing is also another effective approach founded on active learning methods. Role playing simulates real-life situation that requires problem-solving skills. More importantly, it is also a medium for gauging actual performance. Evidence of Success: For Digital Communication (4 credit analytical) course, few active learning methods were practiced. They are: Problem solving, Quiz programs, Role playing, One-minute paper and Clarification pause. Due to this learning method, 85 of pass percentage was achieved in the end semester examination and this is good compared to the other section students. Problems Encountered and Resources Required: • Coverage problem- not possible to cover as much material in a course incorporating active-learning techniques as in a course using exclusively lecture. • It takes too much time to prepare an active-learning course. • Students not attempting the problem section seriously and also continuous attendance needs to be ensured. Resources required: For implementing the active learning methodology in a full-pledged manner, smart classrooms can be provided.

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/2021/01/Best-Practices-2019-20.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 will groom students into professionally responsible, socially sensitive and culturally aware leaders. Ré, iQube and Garage (RiG) are the student research forums that cater to inquisitive, innovative trend setters. 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 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 skillsets 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 helps tech enthusiasts to convert their innovative ideas into commercially viable

prototypes by providing guidance and mentorship. Garage is a student involved Product Development - Research Centre of the automotive sector. Students 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), 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/wp-content/uploads/2021/01/Institution-distinctiveness-.pdf

8.Future Plans of Actions for Next Academic Year

• To get NBA accreditation for the remaining eligible UG Programme viz., Automobile Engineering. • To introduce new programmes • To be among the top 60 institutions in the country in NIRF • Introduction of Innovation Practicum courses through Forge • Project Germinate and Online Teaching-Learning Process • Schedule International conferences and STTPs through online mode • Maintaining a green campus • Introduction of UHV courses for the forthcoming batches as per AICTE guidelines • To fetch more external RD grants • To enhance number of patents publications • Placement of students in high profile companies with a higher salary • Bringing up more innovations and start-ups • Encouraging the culture of entrepreneurship among students • Training teachers in thrust areas through KLDA.