Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY**
Name of the head of the Institution	**Dr. S. MURUGANANDAM**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**914312670699**
Mobile no.	**9842111377**
Registered Email	**krct.trichy@gmail.com**
Alternate Email	**principalkrct@gmail.com**
Address	**Samayapuram - Kariyamanickam Rd, Tamil Nadu- 621112**
City/Town	**Tiruchirappalli**
State/UT	**Tamil Nadu**
Pincode	**621112**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.S.SUGANTHI**
Phone no/Alternate Phone no.	**9143126706999**
Mobile no.	**9443169815**
Registered Email	**naac@krct.ac.in**
Alternate Email	**suganthis.ece@krct.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.krct.ac.in/ktgadmin/assets/php/pdf/1564479830.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://krct.ac.in/ktgadmin/assets/php/pdf/1553165357.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A+**	**3.54**	**2016**	**05-Nov-2016**	**04-Nov-2021**

6. Date of Establishment of IQAC	**14-Aug-2015**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		

		View File		

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

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

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Encourage faculty members to apply and organize funded workshops / seminars /conferences in National and International levels

Encourage students to apply theoretical knowledge and come up with innovative projects like Smart India Hackathon

To enhance the placement rate in core and multinational companies

To organize the National / International level seminars, workshops, guest lectures, leaders talks, conferences.

To promote the research & development activities and the consultancy activities

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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
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Management representative committee	**09-Aug-2018**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**27-Dec-2018**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**10-Jan-2019**
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)	**Yes. We have CAMU – Digital campus in our college. The following are the list of modules in CAMU –Digital campus used in our college 1. Enterprise a. Creating Programmes offered b. Creating courses offered c. Creating departments d. Creating classes and sections e. Creating subjects f. Mapping subjects 2. Students a. Adding students b. Moving students to next year c. Attendance monitoring 3. Staff a. Adding staff details b. Attendance On duty monitoring 4. Academic Plan a. Academic year creation b. Semester configuration c. Staff planning d. Time table creation e. Uploading teaching content 5. Exam Management a. Exam creation b. Student online feedback c. Internal exam marks entry d. Downloading Reports 6. OBE a. OBE configuration b. PEOs and POs creation c. Outcomes Basic Administration: Attendance: Teachers can take attendance in the classroom using installed app in their laptop. This**

flexible method improves the attendance by reporting in a variety of ways to gain insights on attendance trends. Internal Assessments: Marks can be entered on the Mobile App and the Exam Cell can get the computed assessment score from the system. Students get real time visibility to the marks in their portal/mobile app. Staff Record: Get visibility into the staff resources and capabilities. Track timetables, attendance and performance. Academics: Academic Planning: The online/ digitalized timetabling improve staff planning for classes. This method avoids confusion in timetabling and in alteration of classes. Teaching Plans: An auto generated method of teaching is implemented in our college for all the teachers. Teachers can alter the plans and update the topics completed in their mobile app. This helps the teachers to alter their plans and update the informations in their mobile app. It provides a collaborative learning among the staff and students. Question Bank: Consolidate all the question bank resources in one place. Generate Question papers from the system for the tests/assessments. Feedback: Create feedback forms on the fly which can be filled in online by students. Gets the feedback summary in the form of star rating. Outcome Based Education (OBE):Define organization vision and mission, program educational objectives, program outcomes and course outcomes Design course outlay and establish the correlation between course outcomes and program outcomes. Camu automatically puts in perspective course outcome attainment in comparison with the expected attainment and with an individual students outcome attainment. Review program outcome attainment periodically and take corrective actions to achieve the expected outcomes

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Yes. Once in every 5 years the regulation for the syllabus has been revised by

Anna University. At present we are following 2017 Regulation. For IV year students, Regulation 2013 and for I, II & III year students, Regulation 2017 is followed. In regulation 2013, the number of subjects for 8th semester has been revised as 4 from 3 for ECE department & University exam question pattern has been changed with Part B; having 5 questions, each carry 13 marks and one question in Part C with 15 marks from 2015-19 batch onwards. Curriculum delivery: Academic calendar is prepared before the commencement of every semester which reflects the departmental activities planning for symposiums, workshops, conferences, guest lectures, unit tests, class committee meetings, model theory and practical examinations for effective planning & execution and teaching learning process. Time table is prepared to execute the lesson plan for completion of syllabus within the stipulated time and few hours are allotted for placement training activities. For effective teaching, detailed lesson plan for both theory and practical course is prepared for prescribed syllabus and also, the content beyond the syllabus for each subject is prepared to enhance their knowledge in every subject. To bridge the gap between the industry and institution, guest lectures are invited from reputed institutions like NIT, IIT, VIT and leading industries. Also all the departments are organizing special workshops and value added courses based on the industrial requirements. The students are motivated to participate and organize inter-collegiate workshops, symposia, technical contests and seminars to enrich their technical and non technical skills to face the competitive world. Special attention for the slow learners is given through mentoring and coaching classes after the working hours. Monitoring & documentation: Syllabus completion and other activities are reviewed in the departmental meetings and Class Committee meetings which are conducted 3 times in a semester periodically. Reviewing every course log books (both theory and laboratory) by the HoD once in a month and by the Principal to monitor the effectiveness of the courses. Class committee meetings are conducted thrice in a semester to review the progress of the course, performance of the students, syllabus completion and grievances on general issues. Student's performance is monitored and necessary follow up action is discussed in the result analysis review meeting and implemented by the respective class advisors. Student's feedbacks through class committee meeting and online system are used to improve the quality of faculty teaching. Also complaint and suggestion are available to collect the students feedback. Evaluation: Students' academic performance is evaluated continuously through the unit tests, model examinations and university results. Students' performance in laboratory classes are evaluated in every practical class through viva voce and model practical examinations has been conducted at the end of the portion completion. Students are motivated to do in real time projects and present their innovative ideas in national and international conferences and project contest. Inter departmental auditing is conducted every month and reviewed to improve the quality of teaching learning

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
BEC course	Nil	18/02/2019	40	Employabil ity	Language C ommunication Skill
Japanese Course	Nil	10/09/2018	180	Employabil ity	Language C ommunication Skill
NPTEL online course	Nil	04/07/2018	84	Employabil ity entrepre neurship	Technical non technical

					knowledge development
Data science and Big data analytics	Nil	04/07/2018	90	Employabil ity	Data Science knowledge development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	CIVIL	18/06/2018
BE	CSE	18/06/2018
BE	ECE	18/06/2018
BE	EEE	18/06/2018
BE	MECHANICAL	18/06/2018
ME	Computer Science Engineering	19/09/2018
ME	Embedded Systems Technologies	19/09/2018
ME	VLSI Design	19/09/2018
ME	Power Electronics & drives	19/09/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	483	Nil

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
Proteus (EEE)	04/12/2018	123
Fundamental of Problem solving(CSE)	03/12/2018	74
Revit. Architecture (Civil)	03/12/2018	212
Internet of Things using Arduino for Engg applications (ECE)	10/01/2019	58
Internet things using Raspberry Pi for Engg Applications (ECE)	21/01/2019	57

Proe (Mech)	03/12/2018	104
Stadd.Pro (Civil)	10/01/2019	132
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1.3.2 – Field Projects / Internships under taken during the year

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

Direct Feedback from the Students: Every department conducts Class Committee meeting in each semester with staff and student members. Committee members include Chair Person, Class in-Charge, Class Advisor, all teaching faculty in the respective class, 5-6 student members from the class. Students are given freedom to raise any kind of issues related to teaching learning process, facilities provided or any other relevant matter including academic issues, hostel facility, bus facility, campus utilization, etc. Student expresses their view on all subjects on the academic environment of the department and the feedback is collected by the chairperson of the committee and submitted to the HOD for further action. Feedback on facilities: Assessment is based on student feedback collection, analysis and corrective action taken. The feedback on the Class room maintenance and other available facilities is obtained from the students by the class advisor during the class committee meetings. Grievances and suggestions are analyzed and a consolidated report is prepared and submitted to the HoD. The consolidated feedback report is forwarded to the Principal. Corrective measures are taken on the problems stated by the students and the report is submitted to the management. A student grievance redressal cell is functioning in the campus. The cell comprises of the Principal, senior faculty members and students. Grievances are received through e-mail, suggestion box and in person. Suggestion box is available in main building. All grievances are sorted out immediately by the concerned authorities. Mess committee meetings are conducted periodically to resolve the hostel problems. Feedback on facilities is also collected at the end of each academic year from the final year students for further improvements. Online feedback system: The online feedback system helps us to analyse the problems in detail twice a semester. Here, the students are instructed to enter feedback for the theory and lab during certain time duration given in online database. The subject wise feedback can be collected and actions required for improvement can be analyzed. A standard feedback questionnaire is used for students every semester course wise. Interactive Feedback: Principal interacts with the students informally and gets oral feedback regarding the academic activities. Alumni feedback helps the students to know the recent trends in the industry. Alumni feedback:

Separate feedback forms are given to the graduates and valuable feedback is collected. The feedback is focused on strengths and weaknesses of our students and what areas of training we need to focus to improve placement prospects of our students. This has improved the quality of performance of our alumni and brought-in higher standards in the teaching-learning process. Other stakeholder's feedback: The feedbacks received from the stakeholders are reviewed and follow-up actions are initiated to the fulfilment of quality policy and plans for the development of the Institution. Continuous modifications are done on training and career guidance required for the students as per the industry requirements. Also, the pattern of internal tests, guidelines to carry out research works, student enrichment courses and institute-industry interactions are frequently reviewed based on the stakeholders feedback.

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	CIVIL	120	80	50
BE	CSE	120	116	108
BE	ECE	120	85	78
BE	EEE	120	70	52
BE	MECHANICAL	120	94	81
ME	Power Electronics & drives	24	5	2
ME	Computer Science & Engineering	24	6	4

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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
2018	2114	3	134	Nill	12

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
176	176	2	44	1	4
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Professional Guidance The college is well equipped with knowledgeable human resources in the form of faculty members who develop themselves individually and start to grow along with the institution. They provide professional guidance to the students to grow as the best citizen of the nation, in addition to the classroom teaching. A new strategy to access and motivate the students is initiated. The total number of department students has been divided among all faculties to take care their progress regularly through proctorship. One faculty will be assigned 15 to 20 students. They would look into assigned student's academic progress, discuss with tutor and other faculty members about their behaviour in classroom and observe any unusual behavioural patterns and incidents. Proctoring at KRCT : Proctorship has been implemented to monitor the students performance with respect to academic and non academic activities by each and every faculty member. Students meet their mentor during break hour/ lunch hour for counselling. They counsel the students on various issues like personal, psychological, social and academics. Teacher takes special interest to counsel and mentor the students under their proctorship are always made available to listen to the problems of the students. Students can approach the teachers for any kind of guidance-personal, professional and psychology. Students who are in trouble are relieved of their burdens through proper guidance. A student record is maintained by proctor for each student where details like ? Personal information ? Academic performance ? Details of internship and industrial training attended ? Details of co - curricular and extracurricular activities involved ? Any problems faced/ disciplinary actions taken. A counselling record is also maintained in the department in which details of counselling given to the students are recorded. Efficacy of the System: ? The Proctoring system developed by the college has been proved to be effective, considering different parameters. The involvement of students in the academics has been increased, like class work attendance, paper presentations, presentation of models in exhibitions, participation in cultural activities and sports etc. The number of students allocated to each mentor is limited to the maximum of 20. So the personal interaction on regular basis has been increased.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2221	176	1:13

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
176	145	30	31	3

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. R.Nambi Manavalan	Assistant Professor	Young Scientist award in Geometrics on October 10th, 2018, S.C. Ray Educational trust, (Public Charitable Trust), West Bengal, India
2018	Mr.S. Syedakbar	Assistant Professor	National level Active SPOC award, National level NPTELIIT ,Chennai
2019	Dr.S.Muruganandam	Principal	2nd Asia Pacific Education and

			technology Awards for Best Technical Campus for industryAcademic Partner in India Assocham the Education post
2019	Dr.A.Kavitha	Professor	Certificate of appreciation for college towards organising students branch activities towards the advancement of IEEE and Engineering Profession IEEE Madras Section

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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
No Data Entered/Not Applicable !!!				

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Internal Assessment tests are conducted in a centralized arrangement in which the students belonging to different branches are mixed and the tests are conducted exactly similar to the university examination pattern. After every assessment test, the answer sheets are valued within three working days of completion. Evaluated papers are submitted to verification officer and HoD for random verification before distribution to the students for correction if any. The marks secured by the student are entered in the Integrated Learning Campus Management System software called CAMU and the same is submitted to the head of the departments. After every assessment test, analysis review meeting is conducted by the Principal for every class with the concerned staff members and the HoD. Marks are entered into the university web portal for the internal marks calculation. Internal mark is calculated after every test and the same is intimated to the students by their advisor. The quality of assessment is maintained through the following mechanism: i) Faculty members implement the discussion of result analysis in the review meeting with Principal. ii) Feedback from the students in the class committee meetings. After each internal assessment test, a letter informing the progress and the attendance of the students is sent to the parents. If student's progress is not satisfactory, they have given counselling and guidance for their performance improvement. Their parents are called for discussion about performance of their son/daughter if necessary. Remedial and coaching class has been conducted with retest to improve the slow learner performance.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

In the beginning of every academic year, the academic calendar is framed and issued to the faculty members and students. An academic calendar is framed based on the discussions with the Principal, Department Heads, Department Advisory Committee (DAC) and other decision-making authorities. The academic calendar is framed at least 15 days before the commencement of the academic year. The calendar is printed and handed over to the faculty members in the beginning of the academic year. The calendar provides information about the ? Vision, Mission and Quality Policy of the institution and department. ? Date of commencement of the academic session, ? Duration of the semester ? Commencement of Internal Assessment Test (IAT) , ? Last working day ? Commencement of University Theory/ Practical and semester end examinations, ? Schedule of conferences, workshops, guest lectures are planned and included in the academic schedule to improve the quality of teaching-learning process.

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)

http://www.krct.ac.in/about.php?cat=1&id=44

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
103	BE	CIVIL	141	111	78.72
104	BE	CSE	109	71	65.14
105	BE	EEE	102	91	89.21
106	BE	ECE	119	81	68.06
114	BE	MECHANICAL	142	129	90.84
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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)

http://www.krct.ac.in/about.php?cat=1&id=56

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Major Projects	6	IEEE Tesla Minds, Chennai	20000	20000
Minor Projects	3	IIT (NPTEL)	110080	90000
Minor Projects	6	TNSCST	7500	7500
Interdisciplinary Projects	3	college	50000	50000

Students Research Projects (Other than compulsory by the University)	6	college	45000	45000
Minor Projects	3	ICMR	50000	50000
Any Other (Specify)	3	TNSCST	20000	20000

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3.2 – Innovation Ecosystem

3.2.1 – 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
Workshop on "Sketch up"	Civil	06/08/2018
Workshop on "Analysis and design of pre engineered building using Stadd.pro"	Civil	16/02/2019
FDP on "Analysis and design of building using Stadd. Pro"	Civil	19/02/2019
Workshop on "Hardware and networking"	CSE	13/08/2018
Workshop on "Machine learning with R"	CSE	21/09/2018
One day National level workshop on Quantum Dot Cellular Automata	ECE	20/09/2018
Workshop on " Advanced Embedded systems"	ECE	07/09/2018
Workshop on " Personality and Hygiene Management"	ECE	18/09/2018
Health awareness seminar on "polycystic ovarian syndrome"	ECE	06/09/2018
Power seminar on Employability skills for the future	ECE	08/08/2018
Seminar on "Metamaterial antenna design and analysis"	ECE	24/01/2019
FDP on Modern trends in image processing	EEE	21/02/2019
One day Workshop on Filter Design and THD Analysis for ACDC Converter using MATLAB	EEE	26/07/2018

ne day Workshop on Modelling of Special Electrical Machines Using MATLAB	EEE	26/07/2018
One day Workshop on Proteus software for Power converter Controller and Embedded system design	EEE	07/09/2018
One day Workshop on Industrial Energy Audit and Design of Solar Power Plant	EEE	14/09/2018
Workshop On 3d Printing	Mech	29/01/2019
FDP On SEM Image Analysis	Mech	15/09/2018
FDP On Autocad	Mech	11/09/2018
Workshop on 3D Printing Technology	Mech	29/01/2019
Seminar on Recent Trends In Automobile	Mech	29/08/2018
Workshop on Tig And Mig Welding	Mech	14/08/2018
FDP On Art Of Doing Research	Mech	23/08/2018
Workshop on Tig And Mig Welding	Mech	23/08/2018
Workshop on 3D Printing Technology	Mech	07/09/2018
Workshop On Stir Casting	Mech	18/02/2019
Workshop on Recent Trends In Automobile	Mech	29/08/2018
Entrepreneurship Awareness CampEntrepreneurship awareness camp	Mech	05/09/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.2.3 – 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
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	01	

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ECE	2
EEE	2
MECHANICAL	6
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities

No Data Entered/Not Applicable !!!
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3.4.2 – 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
No Data Entered/Not Applicable !!!			
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3.4.3 – 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
No Data Entered/Not Applicable !!!				
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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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
56366000	55835344.5

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Campus Area	Existing
Class rooms	Existing

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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
Dolphin i Net	Fully	2cqr RF id	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	23342	10433812	857	472451	24199	10906263
Reference Books	1347	738460	27	24388	1374	762848
Journals	141	2211599	141	379750	282	2591349
e-Journals	3237	2004585	3237	213870	6474	2218455

[View File](#)

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr.S.Syedakbar Ms.Banupriya Dr.Ramyavijay	ecurricula for ECE II year regulation 2017 course material for SS, EC1 Digital Electronics (3 subjects)	Technology Enabled Learning (TEL)	04/07/2018
Mr.S.Syedakbar Ms.S.Geerthana	ecurricula for ECE II year	Technology Enabled Learning	09/01/2019

| Ms.Banupriya
Mr.Uppili
Ms.Priyadharshini
Mrs.Subathra | regulation 2017 course material for Maths, EVS, ECII, EMF, LICA CT (6 subjects) | (TEL) | | |

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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	1147	14	1147	30	60	9	1124	250	0
Added	0	0	0	0	0	0	0	0	0
Total	1147	14	1147	30	60	9	1124	250	0

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

250 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
Teaching Learning centre (TLC)	http://tlc.krgi.in/

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
31794000	34340836	19636000	23170317.5

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, provide link)

The Governing council of our college ensures the achievement of the mission and vision of the organization future academic plans and research activities should be promoted by providing direction for implementation and overall monitoring of the activities. The Principal steers the academic and administrative activities of the college. Academic: The heads of the various departments help in the smooth and efficient functioning of the departments by assigning various tasks to the members of faculty. The various statutory and non-statutory committees take care of the academic and administrative matters. Head of the Departments and AHoDs are allotted in each department to have a close monitoring of the student, to execute the plan and for implementation of quality policy of the institution in an efficient manner. Class advisors and laboratory in charges are given various roll in carrying out co-curricular and extracurricular activities and various skill development programs. Various responsibilities are given to the faculty members as in charges. The faculty has freedom in preparing teaching plan and implement innovative ideas in their respective subject, by conducting seminars, workshops, faculty development programs, debates and various technical competition quiz etc. Administration of

support facilities: The Administrative Officer and the Office Manager are responsible for the administrative functions executed by clerical, programming, data entry and ministerial staff. The Campus Maintenance and Housekeeping Managers are responsible to monitor the overall transport and maintenance works. Liaison officer is in-charge for the maintenance of the entire campus. The following maintenance team work under his supervision: ? Building maintenance ? Transport maintenance ? Electrical maintenance ? Hostel maintenance ? House keeping ? Ground maintenance Laboratory: The plans for IT infrastructure upgradation is provided by Mr. Prabu, The Liaison officer Concerned HOD also gives the requirements for the laboratories in the form of budget for the upcoming year. Those are verified by the principal and then go to the liaison officer through the Principal for approval. 5S and housekeeping ISO 9001:2015 procedures are implemented in all the labs for maintenance. At present we initiated ISO 14001: 2015 for environment safety aspects. Every Department will prepare the advance budget required for the next academic year in terms of obtaining lab equipment, laboratory facilities, infrastructure and up-gradation of computational systems. The final budget proposal is placed before the Management Committee for review and final approval. The allocation of funds is also utilized based on the priority for additional facilities for teachers and students, maintenance and development of infrastructure and social activities. Library: The library committee maintains facilities all software's. It takes care of furniture requirements and its maintenance. The duties of this committee are ? Gathering the list of books required from all the department as per requisition ? Decides the copies of books or a journal ? Placing the purchase Indent for the required books and journals ? Receives the order and maintains the records ? Discussions and implementation of various feasibility of automation of library. ? Encourages E-Learning among the students and staff.

http://www.krct.ac.in

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

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

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

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

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

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

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	8

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
No Data Entered/Not Applicable !!!					
View File					

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

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

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

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
View File	

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

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

5.3 – Student Participation and Activities

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

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

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

Student council: The proctorship has been in practice with the motive of providing parental and supportive and counsel the students from first year to final year in their academic and personal problems if any. This system helps the students in completing their studies successfully with good placement. It is used to continuously and regularly monitor the academic performance of the

students in their studies and also in co curricular, extracurricular, attendance, placement and other activities. The college encourages parents to be in regular contact with the Proctor/ Class Advisor/HoD/principal. The benefits of proctorship in our college are: ? Develop the healthy relationship between staff and students. ? To avoid indiscipline among students. ? To improve the overall academic performance in internal and university examination by regular counselling review after each exam. Every faculty is assigned with 15 to 20 students as their ward. They closely monitor the progress of their students and help them inneed. Every week the students meet the proctor and discuss their progress and support needed. The proctorship portfolio is maintained by proctor individually for all students. It contains the Bio Data, progress report of each semester, co - curricular extracurricular activity attended, counselling report, placement details and interactions with parents. Admission Committee: Proposes admission policy ? Arranges promotional campaigns ? Executes the admission process Staff Selection Committee: Recruiting Right person for the right job as per norms Internal and university Examination Cell: Conducts and monitors Internal exams Prepares sessional exam time table, invigilation duties, seating arrangement etc. ? Forms an internal sub – committee for the distribution of question papers in the examination halls and the answer scripts after the examinations, to the faculty concerned. ? Maintains records regarding the university examinations like attendance particulars, invigilation duties, supporting staff etc. Research Development cell: Frames the target for research article publication. ? Arranges research process related workshops Library committee: Placing the purchase Indent for the required books and journals ? Discussions and implementation of various feasibility of automation of library. ? Encourages E-Learning among the students and staff Anti-Ragging Committee: Appraises students about the contents of the anti ragging act and advises them not to involve in the incidents of ragging. Women Empowerment Cell: To address all issues related to well-being of women students and staff members To conduct expert talks and programs on women related issues Grievance Redressal Cell: Brings to the notice of the higher authorities' complaints from Students / Staff regarding the amenities / facilities ? Maintains a harmonious atmosphere in the campus/ hostels with a feel of concern and sense of belonging. Time Table Committee: Prepares the timetable schedule for semester / year in consensus with all departments Alumni Association: Maintains records of alumni the meets that take place. ? Organizes Alumni interactions Maintenance Committee: Maintains updated building plans executes overall building maintenance by taking care of Housekeeping including hostels Department Associations: Conducts Various Departmental Student Activities NSS: Organises and conducts various Social service activities

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The alumni association of our college has been registered under the Tamilnadu Societies Registration Act, `975 (Tamilnadu Act 27 of 1975) on 24th July 2019 with user name of Trichy_SR_2032019

5.4.2 – No. of enrolled Alumni:

2196

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Addressed junior students in II,III Iv year to guide them in placement and make them aware of industry expectations.

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)

Admission Counselling provided for students who aspire to study abroad, with an aim to optimize their chances of obtaining admissions into the best possible universities/institutes jointly with external training and service providers. Advisor organizes 3 class committee meetings per semester, consisting of student representatives and faculty handling the courses, to discuss about the grievances, discipline and overall performance. Mess committee meetings are conducted periodically to resolve hostel problems. Feedback on facilities is also collected at the end of each academic year from the Final year students and analyzed for corrective actions. The Entrepreneurship Development Cell in the institution regularly organizes meetings with successful entrepreneurs to promote entrepreneurial skills and self-employment among the interested students. Open talk by such entrepreneurs give students an insight into the different paths that they can venture into, the risks and the gains involved. The functions of various key positions and their functions in our college have been stated below: Board of Trustees ? Approves the directive principles and policies. ? Manages and controls the Trust fund, properties and institutions belonging to the Trust under its management. ? Monitors the implemented rules and regulations of the institution for efficient administration ? Modifies the rules and regulations if there are any changes required. Governing council ? Guides the institution in academics, student and faculty development, and Research and Development. ? Helps to achieve the vision of the institution to serve the society by offering top-notch technical education on par with global standards ? Helps the institution in its pursuit to become a centre of excellence and establishes continuous improvement. IQAC ? Oversees the teaching learning Process ? Carries out result analysis and suggest corrective measures. ? Initiates supplementary teaching measures. ? Arranges Orientation programs for first year students ? Adopts measures to develop a quality system for conscious, consistent and programmed action to improve the academic and administrative performance of the College ? Promotes measures for institutional functioning towards quality enhancement through globalization of quality culture and institutionalization of best practices Administrative Office ? Coordinates the administrative and accounting activities ? Maintains up-to-date master documents with history of revision. ? Maintains personal files of Faculty/ Employees ? Manages public relations ? Oversees Employee Attendance System maintains the monthly attendance report. ? Maintains up-to-date master documents with history of revision. Placement and Training Cell ? Arranges student Training and Placement programmes ? Organizes on campus and off campus placement ? Maintains list of companies offering jobs / career opportunities for the students ? Organizes special programs for career guidance ? Maintains database of placed students ? Conducts special training and counseling programmes for weak students 7'Change Committee-HR, Brand, Infrastructure, Research Development, Career and Guidance, Student development, Faculty development : ? Facilitating Overall Development of Institution ? Promoting Continuous improvements ? Creating congenial Institutional Environment ? Stimulating staff performance ? Customer relationship management ? Focusing on multi - tasking activities. ? Financial assistance for the faculty development ? Knowledge transformation

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
Admission of Students	**The institution is affiliated to Anna UniversityChennai. Hence, the institution abides the policy of the Anna University. Admissions are done as per the rules and norms of Tamil Nadu state government. As the institution is a selffinancing college, 65 of the admissions are carried out by the government. Tamil Nadu government follows single window counselling system to fill up the government quota. Remaining 35 of the admissions are done by the management. Both government and management quota, selection process is based on the merit. The Department of Technical Education (DoTE), Government of Tamil Nadu releases advertisement for admission through the affiliating University in leading News Papers and in the University Website for the admission under Government Quota seats. DoTE conducts Single Window Counselling through Anna University, Chennai for admissions. DoTE conducts Single Window Counselling through Anna University, Chennai for admissions. During the time of admission the availability status is updated every day in the University Website. For the Management Quota seats Consortium of self financing Engineering Colleges Management Association advertises in the News Papers about the admission process and entrance test. The same information is also available in the college website: www.krct.ac.in. The Institution publishes prospectus every year and the same is issued along with application form. Details about the various courses offered, about the various departments, the infrastructural facilities available, eligibility conditions for admission, training and placements provided to the students, and special features of the institution are given in the prospectus. Wide publicity about the college and courses is made through FM radio, TV channels, Newspapers and in educational fairs.**
Human Resource Management	**? Direct Recruitment to all cadres is based strictly on merit as per the**

	qualification prescribed by AICTE. Selection is done duly by constituted committees. ? Self appraisal by teaching staff is mandatory at the end of each academic year ? The appraisal committee reviews the faculty performance in terms of university examination results, Student feedback, RD related activities and counselling the slow learners. ? The faculty members are encouraged to participate in various seminar, workshop, and conference organize by national and international agencies. ? Best performers are awarded or rewarded with incentives to motivate them to contribute their best to the academic excellence All faculties are also encouraged to Participate and/or attend workshops/seminars / Orientation/Refresher Courses/ Workshops/ Seminars/conferences organized by other institutions to update the knowledge and to improve the teaching practices by claiming all the expenditures. NPTEL video lectures are loaded in the college server for the benefit of faculty as well as students. Special cash award is given to the faculty members who excel in teaching and produce excellent academic results. Staff appraisal is carried out based on several teaching learning criteria and cash award is given regularly. The management encourages the faculty members to do their research work by paying their research publication cost and each publication has been rewarded with cash. Software information systems for teaching learning process, induction programs for new faculty members, and gold coins are awarded to the faculty members for achieving exemplary results.
Library, ICT and Physical Infrastructure / Instrumentation	? College has introduced LIMS named 2cqr - RF ID (Fully automated) for libraray mangement. ? College has subscribed e-Books world library and maintains separate reference/periodical section with back volumes and current journals/dissertations/project reports for instant reference. ? Access to open-access literature through JGATE ? DELNET membership ? The library is completely automated with bar-coding of all books and reference materials. ? The library is open beyond working hours to provide enhanced access for

	students and faculty. ? ICT is a major emphasis area for the institution and several ICT initiatives have been undertaken as the followings: ? Learning Management System is implemented like e-lab for C, C, JAVA, PYTHON and MATLAB programming skill development placement. ? NPTEL online courses for staff and students for knowledge development. ? Campus ERP System is implemented for administrative maintenance. ? TALE software supports for office accounts maintenance. ? Online feedback systems for academic improvement for all students ? Grid tie or online grid inverter solar-panel for 1000W power generations are installed for campus security ? All systems are accessible on 24x7 basis with Wi-fi facility is available throughout the campus ? All class rooms facilitated with projectors for delivering digital content to the students. ? Smart class room has been introduced in all departments. ? New block introduced in girl's hostel. ? Separate Non veg canteen, students chart area introduced newly.
Research and Development	Our institution has organized National level Conferences, Seminars, Symposiums, Tech Expo and Inter Intra technical and Non Technical event contests. Seminars and Guest Lectures in recent innovation have been regularly conducted by inviting doctorates as a resource person. Faculty members interact with the resource persons during the lectures to develop their knowledge for doing research. In all departments, we have Presentation Day for all the students in each semester to develop their knowledge and communication skill. Students are encouraged to do mini project which gives an idea for them to pursue their main project. The final year students are motivated to select National and International Journal paper for their projects and they work with faculty members for simulation and implementation. Students are taken for industrial visits and educational tours to visit places which nurture their research interest and develop entrepreneur skills. Separate research lab established in each department conducts research related programs to support in publications, Funded

	projects, All India contest like Smart India Hackathon, SUVC , GOKART,etc.
Examination and Evaluation	Evaluation is done based on the continuous assessment. Six internal tests are conducted which is of three category: Unit –I II (50 marks), Terminal – I II and Model I II exam (Each 100 marks) for odd semester : Unit –I II (50 marks), Terminal – I Model exam (Each 100 marks) for even semester (III Iv Year) Unit –I ,II III (50 marks), Terminal – I , Model I II exam (Each 100 marks) for II year. The marks scored in the tests are considered along with the regular class attendance of the students for calculating the final internal marks. Student's academic performance is evaluated by conducting periodic internal tests such as unit test (one unit portion), terminal test (two units portion) and model exams (three units and full portion). Test papers are evaluated within three days using answer keys, Review of the test is conducted within a week with Principal for corrective actions to be taken. Based on the students? performance corrective measures and actions will be taken by conducting additional tests for slow learners. Internal assessment mark is calculated by giving weightage to all the tests conducted. At the end of every test, marks obtained in the test and their internal mark score are intimated to the students. After conducting every test, progress report will be sent to their parents also. Evaluation blueprint will be prepared. Review mechanism and counselling will also be done to enhance the performance then and there.The outcome of the every program course has been evaluated for ensuring the course outcome attainment in correlation with program outcome.
Teaching and Learning	Teaching and Learning ? ? As a part of teaching and learning process, the institution is engaged in providing effective teaching aids along with web based contents, additional exercises in lab sessions, continuous assessments and periodical feedback from students which further improvises teaching techniques. This includes ? Course plan, course materials and lecture notes. ? Black board presentation, OHP presentation, power point presentation,

	study with models ? Discussions, tutorial classes, individual student seminars. ? Library references, journals, and internet facilities. ? Guest lectures, workshops, seminars. ? Assignments, slip tests, quizzes etc. ? Industrial visits, in-plant trainings, internship, in-house projects. ? Class committee meetings and counseling hours. ? The teaching and learning process is reviewed by HOD weekly and verified by the Principal monthly. The performance of internal tests and University examinations are analyzed and the following remedial measures are taken: ? Guiding the students for preparation and presentation in exams. ? Arranging tutorial classes. ? Conducting special coaching classes for slow learners. ? Conducting additional tests. ? Offering counselling to the students. ? Encouraging the students to attend workshops, conferences and seminars. ? Providing reference materials along with textbook ? E-lab practice for JAVA, C, C, Python and MATLAB coding.
Industry Interaction / Collaboration	The Institute industry interaction helps in forming a strong foundation for the development of the institution in all aspects. The following initiatives are taken for maintaining a good relationship with the industry. ? Industrial visits ? Inplant training / Internship training ? Guest lectures by industry experts ? Projects and Consultancy work ? Professional Societies/Bodies ? Entrepreneurship develop activities Students are motivated to take active participation in online coding contest conducted by MNC such as Codevita, InfiTQ,Testimony,etc.
Curriculum Development	Curriculum Development The institution develops action plans for the effective implementation of the curriculum. For every semester, Anna University releases brief academic schedule. Based on this, a detailed academic schedule is prepared and distributed to all the faculty members and students. Periodical meetings are conducted by Principal with the department heads to develop strategies and monitor the effective implementation of the curricula. HoDs conduct the meeting with the faculty

members to convey the same. Regular class committee meetings are conducted for all the classes headed by a senior staff as a chair-person and it comprises subject handling staff members, student representatives (both from boys and girls, hostel as well as day-scholars), class advisor and assistant advisor. Apart from regular chalk and talk method, faculty members are encouraged to impart the subjects through innovative teaching methods, suggested in ICT such as power point presentations, discussions, assignments, tutorials, seminars, workshops, video lectures etc.

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

E-governace area	Details
Planning and Development	CAMU: Program and course planning, academic plan and exam management, OBE implementation. ERP: To monitor and maintain the staff attendance, OD and leave details. Smart Hostel: For regular follow-up and to monitor the students attendance, leave approval with their parents concurrence.
Administration	ERP: Students staff database management. CAMU: Program and course planning, student's database management, OBE implementation.
Finance and Accounts	TALLY software: Fee collection database maintenance, annual audit support
Student Admission and Support	TEL: e -curricula subject material resources elab: Language skill training for JAVA, C, Python, C and MATLAB software's ? Examination
Examination	Web portal assigned by Anna University: Students enrolment, attendance maintenance, internal marks updation, practical marks entry and results updation follwup.

6.3 – Faculty Empowerment Strategies

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

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

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

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

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

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

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
16	31	2	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff loan/ accidental insurance	Accidental insurance, Educational support for Tuition fee to their ward	Accidental insurance, Merit scholarship cum tuition fee waiver

6.4 – Financial Management and Resource Mobilization

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

An Internal Auditor along with his team conducts thorough audit of all the transactions and budget allocations. Similarly, external audit is also carried out in an elaborate way, taking into account of the internal audit report as an input for the external audit. The Accounts Manager also acts as a Lead Internal Auditor and the audit is carried out for every year periodically. The external audit is also executed on a yearly basis by a qualified Chartered Accountant, appointed by the Management.

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
ICMR,TNSCST management	115000	Seminar, conference solar car making
View File		

6.4.3 – Total corpus fund generated

178042683

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	Anna university Chennai	Yes	IQAC
Administrative	Nill	TÜV SÜD South Asia Pvt. Ltd.,	Nill	Internal staff who have certified by ISO

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

Regular feedback to improve the performance of students. Regular follow up between them to improve the slow learners progression Support for getting approved in certification from external bodies.

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

1. Training on Lab maintenance with 5S, preventive and breakdown maintenance. 2. Fire extinguisher usage training. 3. ISO 14001: 2015 initial action training.

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

1. E-lab: Programming skill regular training and practice for students and staff in JAVA, C, C, Python and MATLAB software's. 2. TLC: ecurricula method of teaching introduced for ECE in two academic years. 3. Participation in NIRF, AISHE ARIIA ranking. 4. NBA process initiated SAR submitted. 5. Center for research applied and inspection completed. 6. IPR committee has been framed separately to increase the number of Patent. 7. No. of publication by faculty in SCI and SCOPUS journal has been insisted for h - index improvements. 8. New research lab established in Mechanical department. 9. NPTEL enrolment and exam clearance have been encouraged by financial assistance. 10. Core based training increased to improve the core placement. 11. ISO 9001: 2015 certification received one year renewal completed. 12. ISO 14001: 2015 certification process initiated. 13. Regular followup and review by academic audit, ISO audit MRM meetings.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
View File					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens day celebration	08/03/2019	08/03/2019	270	Nill
Workshop on "Personality and hygiene management"	18/09/2018	18/09/2018	120	Nill
"Health awareness seminar on polycystic ovarian syndrome"	06/09/2018	06/09/2018	200	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
Percentage of power requirement of the College met by the renewable energy sources, In our college, at November 2018, 250KW solar panel renewable energy source has been installed. This generation has been shared in two places as follows: 100KW for the campus of our college 40KW for the utilization in our girl's hostel. The entire unit consist of five no's of Grid tie unit each having the capability of 50KW generation. Hence the total generation of 250units per day has been shared in different places within campus. In EEE department, renewable energy source called Grid Tie inverter or Online Grid has been installed for generation of 1000W. This renewable power has been utilized by the research lab in the same department for doing the students' mini and major projects. During the unutilized time of holidays, it has been shared with EB line.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	4

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
2018	Nill	1	10/10/2018	1	awareness	Road safety	46
2019	Nill	1	23/01/2019	1	awareness	Tobacco	43
2019	1	Nill	28/02/2019	180	contest	coding	230

2018	Nill	1	21/09/2018	16	camp	Entrepreneurship awareness	359
2019	Nill	1	15/03/2019	3	International conference	Technology knowledge sharing	451
2018	Nill	1	18/08/2018	1	camp	Polio drops151	151
2018	Nill	1	21/09/2018	1	camp	Blood donation	63

No file uploaded.

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
HR manual for employee (version 6)	18/07/2018	On every month the faculty HR policy has been reviewed by department heads in terms of its leave, OD, Code of Conduct, Duties and Responsibilities, welfare and recreation. The report of review is verified by Principal and consolidated by Hr college in charge once in semester. At the end of academic year, the awards will be given based n their earned points to all staff by management.
Provides to each student at the time of admission: ? Learning resources Drawing stationeries ? Rules and regulation ? elab facility for both staff and students ? NPTEL resource access for online certification	11/07/2018	Learning material and text book has been given to all students in first year at the beginning of every semester. At the time of joining, the rules and regulation to be followed should be signed by both students and staff for their awareness. e-lab through TLC helps to develop coding skills for both staff and students. Once in 3 months, the achievers are rewarded by certificate on completion of respective courses. NPTEL registration is mandatory for staff and students. Financial support has been given for attending exam. The

		best scorers are appreciated during special occasion.
Motivational and carrier guidance	12/12/2018	In every year motivational class is conducted for 3rd year students to guide them in placement and decision taking. Special counselling is provided for needed separately.
CAMU tool usage practice	08/08/2018	To support, academic new tool has been introduced to record the data base of attendance, test reports, class committee meeting reports OBE resources.v

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Support to 2018 Kerala flood by donating food and basic need to affected society.	16/08/2018	31/08/2018	500

No file uploaded.

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

5Shouse keeping procedures are in practice. ? ISO 9001: 2015 certifications with one year renewal completed. ? ISO 14001: 2015 initiated. Guidelines of IQAC and submission of AQAR for Affiliated/Constituent Colleges Page 59 ? Rainwater harvesting is in usage ? Waste water recycling is implemented.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: TLC cum e-lab for coding skill up gradation for staff and students. 2. The context that required the initiation of the practice (100 – 120 words): Computer programmers translate software design into code that computers can read, crafting the operating systems and software applications consumers' use every day. People's interaction with computers is at an all-time and provides a constant stream information and entertainment, while complex systems perform countless behind-the-scenes tasks. The demand for computing power is only growing, opening more career possibilities for people interested in computer programming. Since practically all industries require software services, jobs for computer programmers should increase at a decent clip. The increase in demand for software skill engineer in all fields becomes blooming nowadays which makes this practice for our staff and students. 3. Objectives of the practice (50 – 60 words): ? Implementation of innovative teaching–learning system for higher education communities to the level of world class education. ? Gives exposure to students to learn the subject using the internet / self learning practice tools. ? Providing regular practice in JAVA, C, C, Python and Mathslab coding to students staff. ? Helping students in getting better internship and job opportunities. 4. The Practice (250 – 300 words): The TLC center has the mission to accelerate teachers and students towards an efficient

and enjoyable educational interaction through innovative teaching-learning methodologies and research-based ideas. It consist of various platforms like ICT tools, TEl tools and MIS tools. ICT tools: To enable the development of skills engaging latest learning technologies as aids to teaching-learning process. The TLC center having e-lab consists of core team along with contributing members to regularize its practice. The center regularly conducts internship at the time of vacation in both semester to engage the students in useful manner for their skill updation. Students develpoers own project like GPA or CGPA calculator by using the skills developed. The center gives opportunity for staff and students in regular practice for the following coding: C Programming, Python Programming, Java, Mathslab. TEL tools: Technology Enabled Learning (TEL) exploits us to the digital resource development and utilizing the digital resource through e-learning into quality courses and education. CAMU Tool: It is the Management Information System toll having computerized database of all information organized and programmed in such a way that it produces regular reports on operations for every level of management in a organization. It provides the following database systems: 1. Class Committee Meeting Tool: A Class Committee Meeting (CCM) is formed for every class which includes class student representatives and a chairperson are members. It is like the Quality Circle with the overall goal of improving the teaching-learning process 2. Faculty Information System: The College has the process of collecting the general and professional details of all the faculty members into a database system. The main purpose of this initiative is to provide necessary details about the faculty members when required by the concerned authorities in time. 5. Obstacles faced if any and strategies adopted to overcome them (150 – 200 words): Obstacles faced: students interest in doing practice is not upto the level of expectation. Strategies adopted to overcome: To insist each and every student to take part, the e-lab hour has been introduced in the regular timetable itself. Weekly one hour per students is allotted for practice. The staff assigned with students as proctor has to monitor the progress of their ward in every week and the consolidation of progress status has been recorded by them for review. The TLC team checks the completion status of all students registered regularly and the certificate has been given to achievers in different level by the Principal. He addresses each class and advises them to take practice by explaining the benefits of achievers while giving the certificates. Interested students are provided with separated care and guided for getting their job opportunities. 6. Impact of the practice (100 – 120 words): The internship contributed is: 1. Linux Foundation: 36 students 2. Web Design for Beginners: Real World Coding in HTML CSS: 11 students 3. MATLAB Basics for Engineering Students: 3 students 4. The Complete AutoCAD 2015 Beginner Course: 3 students 5. ICT Circuit Student Contributor: 7 students 6. Ultimate Photoshop Training From Beginner to Professional: 1 student 7. JavaScript Basics for Beginners Introduction to Coding: 1 student 8. Microsoft SQL for Beginners : 1 student TEL tool: In ECE department for students in second year the leaning resources, worksheet, assignment are given in online based through and assessment are conducted based on their practice in both even and odd semesters. 7. Resources required: Manpower for training and internet access to usage. Institutional best practices_2 1. Title of the Practice: Cash token appreciation for toppers in internal exams. 2. The context that required the initiation of the practice (100 – 120 words): Test performance can improve dramatically if students are offered rewards just before they are given standardised test and if they receive the incentive afterword. The rewards apparently provide students with an incentive to take that more seriously. The internal marks for the students are based on the performance in the regular internal assessments conducted in every semester. To boost the internal and to achieve the better performance from all students the management gives cash token to best performer after the review of result of each internal assessments test. 3. Objectives of the practice (50 – 60 words):

? To motivate the students to perform well in internal assessment. ? To encourage the toppers to maintain the high level of performance. ? To achieve the higher percentage of marks in university exam. ? To achieve more university ranks. ? To get better placement by all students. 4. The Practice (250 – 300 words): In every semester minimum of 3 internal assessments has been planned in the college calendar at the beginning of semester itself. After the completion of every unit the internal exams has been conducted to review the students understanding. The internal exam cell coordinator plan the schedule for internal assessment test as per the academic calendar with the approval from Principal and circulates the same to faculty members and the students. The department conducts minimum of three internal assessment tests like unit test and Terminal exam. After the completion of documentation for improves the student's performance the review has been conducted with all subject handling faculty along with Principal for regular follow-up. Class toppers and subject wise toppers in the internal assessment exam are identified based on the performance in unit, Terminal and Model Exam and recorded by Class advisor. Top two ranks in unit test and Terminal exam can be awarded only if average percentage is greater than 75 . Subject wise toppers unit, Terminal and Model Exam can be awarded only if average percentage is greater than 80. The identified subject toppers and rank holders are appreciated in the classroom having all students of the respective section. The class first and second place toppers have been given with Rs.100 and Rs.70 as the cash prize appreciation. Rs.50 cask token has been given to individual subject topper if their score in that subject is more than 80 out of 100. This practice is well suited to motive them to perform well continuously in the forthcoming exams also. Since this appreciation has been done in the class room with all other students, this practice will motivate the other students also to perform well in next exams. 5. Obstacles faced if any and strategies adopted to overcome them (150 – 200 words): Obstacles faced: Nil. Strategies adopted to overcome: Not Applicable 6. Impact of the practice: Students test performance improved in internal assessment exams. 7.Resources required: Cash token support from management 8. About the Institution: i. Name of the Institution: K.Ramakrishnan College of technology ii. Year of Accreditation: 2016 iii. Address: Samayapuram - Kariyamanickam Rd, Tamil Nadu 621112 iv. Grade awarded by NAAC: A v. Email: naac@krct.ac.in vi. Contact person for further details: Dr.S.Muruganandam, Principal vii. Website: www.krct.ac.in

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.krct.ac.in

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

K.Ramakrishnan College of technology is in the 9th year (2018-2019 academic year) which keeps on introducing innovative practices in the field of higher education. It is one among the top ranked institutions under Anna University, Chennai which became NAAC accredited with A (3.54 point) grade in the year 2016. The college has implemented Outcome Based Education in a successful way and the classrooms are student-centered classrooms. Technical non technical Activities and seminars are made mandatory. Continuous Internal Assessments are being conducted with regular review follow-up and student's cash token appreciation system. MoU has been signed with many organizations for industry institution interaction and consultancy project student's internship and industrial visit has been regularly monitored. International Conferences are being organized every year to enrich the research activity and publication in reputed journals Usage of ICT in Teaching and learning process has initiated

with wi-Fi module installed in every class room. The entire campus has been running with wi-fi facility of 250Mbps internet capacity. The different clubs are formed by the students to develop their leadership skills. Department Association is functioning to takes care of student's technical knowledge updation in recent trends. Innovation Cell is functioning inside the campus and students are? encouraged to come with an innovative ideas and facility is provided to bring the idea into product. Students are encouraged to apply for patents. Entrepreneurship Development Cell is functioning in the campus and the cell encourages the students to start start-ups. Foreign Japanese languages training has been given to interested students to get better placement with higher salaries. Students are motivated to take part in sports, cultural and other co-curricular activities. Publication or research paper in reputed journals is increasing in every year.

Provide the weblink of the institution
http://www.krct.ac.in

8.Future Plans of Actions for Next Academic Year

? Getting ISO 14001:2015 certification. ? NBA certification for ECE Mechanical departments. ? Getting listed in NIRF upto 200 rank list ? Increase the admission percentage by team work. ? Getting a Centre for Research for eligible departments. ? Improving the results and become the top 10 colleges list under Anna University. ? Improve the citation level and achieve the college h-index as 10. ? Encourage the faculty to publish more number of SCI and Scopus journals. ? Improve the number of patent filling by students and faculty. ? Getting funds for the major projects by all departments. ? Conducting NAAC sponsored awareness workshop for in and around colleges not having NAAC certification. ? Encourage the faculty to attend the conference and workshop in foreign universities. ? Getting renewal of ISO 9001: 2015 certifications. ? Getting university approved NSS unit for college. ? Encourage the staff to do their Ph.D and increase the number of doctoral faculty. ? Conducting more number of social programs such as Swachh Bharat,etc ? Encourage the students for their active participation in coding project contest like smartindia hackathaon, etc. ? Improve the coding skill to increase the student's placement with high salary by utilizing the e-lab facility.