



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	K.RAMAKRISHNAN COLLEGE OF ENGINEERING
Name of the head of the Institution	Dr.D.Srinivasan
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04312670699
Mobile no.	9842472577
Registered Email	principal@krce.ac.in
Alternate Email	iqac@krce.ac.in
Address	Samayapuram.
City/Town	Tiruchirappalli
State/UT	Tamil Nadu
Pincode	621112
<b>2. Institutional Status</b>	

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr.K.Priyadarshini
Phone no/Alternate Phone no.	04312670699
Mobile no.	9894758355
Registered Email	iqac@krce.ac.in
Alternate Email	principalkrce@gmail.com

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.krce.ac.in/IQAC/aqar_2018_2019.pdf">http://www.krce.ac.in/IQAC/aqar_2018_2019.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.krce.ac.in/IQAC">http://www.krce.ac.in/IQAC</a>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.10	2016	29-Mar-2016	28-Mar-2021
2	A	3.10	2021	29-Mar-2021	31-Dec-2025

<b>6. Date of Establishment of IQAC</b>	11-Sep-2015
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### 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
<b>No Data Entered/Not Applicable!!!</b>		
<a href="#">View File</a>		

**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
<b>No Data Entered/Not Applicable!!!</b>				
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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 :**

9

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)**

1. Periodical meetings with staff members and Monthly Review meeting with Executive Director and Principal are initiated to formulate the plan of action. The implementation of action plans are reviewed in the subsequent meetings. 2. Academic and Research Audit carried out to monitor and upgrade the quality of student's activities, department activities. 3. Monthly assessment of the students and staff members and feedback provided for efficient and progressive performance of academic task. 4. Continuous motivation and encouragement to the faculty for applying Project funds and to submit Research proposals. 5. Continuous Encouragement to promote Research activities within the institute. Publish in Scopus and SCI Journals of International Standards. Apply for Patents and IPR's. Improve the hindex of the Departments and Institute.

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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
The college shall get the status of Autonomous and to recognize our	<ul style="list-style-type: none"> <li>• Granted Autonomous on From UGC: 09.12.19 From Anna university:8.01.20 •</li> </ul>

college under section 2(f) and 12(b) of the UGC act, 1956.	2(f),12(b) status received on 16.07.19				
Planned to formulate the following bodies required for an Autonomous Institution 1.Board Of Studies 2.Academic Council 3.Governing Body 4.Finance Committee 5.Other Requirements	• During May 2020				
Each department should apply for minimum Two funded projects in a year and obtain granted at least for one funded project.	All departments have applied and received funds to conduct workshop, seminar and to design projects				
All departments are insisted to sign MOU's with a company every year.	All departments have signed MOU s to carry out activities like Internship, Project work.				
With respect to Industrial expectations, new courses are to be started.	Under Progress				
All the departments should get Research centre recognition from Anna University	• ECE and EEE department has got Research centre. • MECHANICAL department got Research center in Nov'19. • CSE department under progress				
Each faculty should publish at least 2 journal in Scopus indexed / SCI / SCIE in a Academic year	Under Progress				
The cleanliness of the campus should be minimum 85% during the 5S Audits.	Achieved				
E-curricula teaching, learning and evaluation system	Implemented				
To provide the students with TOEFFL, GATE, TNPSC, UPSC and GRE training	Training is being provided.				
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">College Governing Council</td> <td style="text-align: center;">18-Mar-2021</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	College Governing Council	18-Mar-2021
Name of Statutory Body	Meeting Date				
College Governing Council	18-Mar-2021				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes				
Date of Visit	26-Jul-2019				
<b>16. Whether institutional data submitted to AISHE:</b>	Yes				
Year of Submission	2020				

Date of Submission	30-Jan-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<ul style="list-style-type: none"> <li>• Globarena Software for Communication Lab.</li> <li>• VB Application Software for Fees Collection.</li> <li>• Dolphine iNET ImpressLibrary automation Software for library Access.</li> <li>• Proctorship details updation using online Software.</li> <li>• CAMU Software for OBE.</li> <li>• Crystal Login Software for Faculty Attendance monitoring.</li> <li>• ECurricula in Teaching Learning Centre.</li> <li>• Transfer Certificate preparation software.</li> <li>• Admission Enquiry.Net Application</li> <li>• Hostel Security System Web Application</li> <li>• CamsComplaint Management System</li> </ul>

## 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

“K.Ramakrishnan College of Engineering” is Accredited with AICTE and affiliated to Anna University, Chennai. It follows the syllabus/ curriculum prescribed by Anna university and plans according to it. Anna university curriculum contains Humanities and Social sciences, Basic sciences, Engineering Sciences, Professional Core and Professional Elective, Open Elective, Employability Enhancement courses. The curriculum is framed and reviewed by the university once in 4 years by the Board of Studies. However, the college has a system for curriculum delivery and documentation.

- The college emphasizes on the student-centered approach for the planning and implementation of curricular aspects.
- The college prepares academic calendar and each individual department prepares its own plan of academic schedule and time table accordingly.
- The college has 90 working days of teaching in every semester and Totally 180 working days in an academic year.
- Every department conducts meetings with the students in the beginning of the session.
- Every department prepares their weekly schedule and display on their notice board to implements the curriculum effectively.
- All the teachers in every department submit the details of conducted lectures and course submission reports to the IQAC team.
- Each department conducts meetings in which they discuss allotment of papers, preparation of lesson plan and lecture notes to the needs of the students.
- The college ensures that continuous evaluation is carried out from time to time by way of internal assessment and model examinations.
- Periodical analysis of internal and university examinations are undertaken to identify irregular and slow learners. Remedial classes are arranged on a regular basis to improve the performance of slow learners. Top 25 students are identified and encouraged by assigning mini-project, value added courses to enable them to secure University Ranks. Average Students are identified and encouraged by giving extra coaching after the college hours by giving them more writing practices.
- Each member of the staff is assigned 20 mentees.
- For II and III Year students, the Aptitude and Communication hours have been added in regular timetable - 2 Hours per week.

Number of Value added courses have been organized for gaining the knowledge and skills about latest technologies & tools • Students are permitted to undergo Industrial visit every year to acquire knowledge and relationship with industry. • Various centralized and departmental clubs conducts various activities. • Parent teachers meeting is continuously organized to discuss about their Childs performance. • Students are encouraged to go for Internship Programmes to do the industrial projects. • MoU has been signed with THINK CELL Edu. Ltd (formerly GATE FORUM) to train the students for GATE Exam.

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
<b>No Data Entered/Not Applicable !!!</b>					

**1.2 – Academic Flexibility**

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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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	ECE	17/06/2019
BE	CSE	17/06/2019
BE	EEE	17/06/2019
BE	MECH	17/06/2019
ME	Power Systems Engineering	17/06/2019
ME	Communication Systems	17/06/2019
ME	Engineering Design	17/06/2019
ME	Computer Science & Engineering	17/06/2019
MBA	MBA	27/06/2019

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

Certificate	Diploma Course
<b>No Data Entered/Not Applicable !!!</b>	

**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
“LabVIEW Core - 1 and Core - 2 level with certified LabVIEW Developer (CLAD) Certification Training”	10/12/2019	121

PCB Design Manufacturing Process	09/01/2020	74
NI Lab VIEW PROGRAMMING	09/12/2019	182
Programming and interfacing peripherals with ARDUINO	17/02/2020	154
Data Analytics	16/12/2019	52
Internet of Things	16/12/2019	61
No file uploaded.		

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

## 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
<ul style="list-style-type: none"> <li>• KRCE has well organized feedback system. The System of feedback collection is made online and each student in a class login the software by using their name as login id. Once they are logged in to the software list of Faculties those who are handling that class will be displayed. They can enter their feedback according to a questionnaire. The software will analyze the collected feedback and summary is given to respective Heads of the department with marks secured. Principal and HOD's will analyze the feedback of each faculty and will take necessary actions.</li> <li>• KRCE has feedback evaluation by taking feedback on facilities from the final year students. Feedback on Library facility, Training and Placement facility, Laboratory facility, General facility etc. has been obtained from students and they are asked to give rating of the same as Excellent, Good and Average.</li> <li>• Facility feedback is also made online as like faculty feedback and the area of improvement is identified using the feedback.</li> <li>• After the feedback evaluation the identified weaker areas with correct action plan are submitted to the Management and the same is corrected within a short span of time.</li> <li>• College conducts ALUMINI MEET in which suggestions and feedback are received from alumni students.</li> <li>• Annexure 1.4.2 – Feedback Templates</li> </ul>

## 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

ME	Power Systems Engineering	24	Nil	Nil
ME	Communication Systems	24	2	2
ME	Computer Science & Engineering	24	1	1
ME	Engineering Design	24	2	2
MBA	MBA	60	62	61
BE	ECE	180	190	187
BE	EEE	60	60	59
BE	CSE	120	130	123
BE	MECHANICAL	120	150	108
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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	2238	119	148	Nil	24

## 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	Number of smart classrooms	E-resources and techniques used
172	172	7	42	42	4

[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 college follows an effective mentoring system to provide academic and personal guidance to the students. All faculty members and students of all semester are divided into mentor- mentee. 20 students will be assigned for each faculty. They look into academic progress of assigned students, discuss with faculty about their behavior in classroom and observe their behavioral patterns and attitude. Regular interaction and counseling are done every weekends to improve themselves academic wise and make them involve in extracurricular and co-curricular activities. Mentoring at KRCE ? Mentoring of students is our top priority. Every mentor takes keen interest on mentoring students whom they have been assigned. ? Students' Development Cell is available in the college to heed the problems of the students. The Students can freely approach the teachers/mentors for any kind of guidance regarding personal, professional and so on. Students who feel uncomfortable in any of their problems can get relieved by approaching the cell. ? Student Profile is maintained for each student where various details like Personal Information, Academic Performance are recorded. The mentors meet the students periodically and proper motivation is being given to them. They also monitor the performance of their activities and if necessary parents meeting is also conducted. ? Regular discussions with the students are carried out.



Slow learners are identified with their Academic performance and Coaching is given regularly with a periodic planned schedule. ? By implementing the mentor system the relationship between Faculty and Student is improved, which also shows improvement in the Academic results and the students self development Co-curricular Extra-curricular activities. ? All First year students will attend Two day motivational programme by Eminent CEO, Relax Psychologists and Motivational Speakers. ? Mrs.Leema Peter, Ex-Principal, Psychologist and Motivational Speaker provides input session classwise and counsels our students individually to overcome their problems by her effective guidance..

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2357	172	1:14

## 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
172	172	Nil	41	22

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
2019	Mr.R.Sasikumar	Assistant Professor	NPTEL Discipline Star Award
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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 !!!				
<a href="#">View File</a>				

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

? Internal assessment test is conducted with frequent intervals. ? For improving programming skills to students and faculties - ICT lab is helped to improve their programming skills and certification is provided to the achievers. ? ISO Internal audit - is conducted for improving the quality of the system. ? IQAC monthly review meeting - is conducted to evaluate the progress of department in various activities of students and Faculties. ? Review meeting - is conducted to evaluate the Department activities. • Circle meeting for HOD's with Principal daily. • Circle meeting for Faculty members with Heads of the department. • Internal Review meeting for subject staff with Principal and Advisor. • University Review analysis for subject staff with Principal, Advisor and Executive Director. ? Management Review meeting with Chairman and Executive Director.

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

• Academic Calendar is prepared as per the scheduled prescribed by the Anna University. Curriculum Implementation, Academic activities and participation in Extracurricular, co-curricular activities are planned and executed as per university rules. • The academic calendar serves as an information source and planning document for students, faculty, staff and departments. • The academic calendar includes Internal Assessment Tests, Review Meetings, Department Level Co Curricular Activities, Class Committee Meetings, College Level Co-Curricular and Extra Curricular Activities and Holidays. • The institution completes the curricular activities within the planned time frame and as per calendar. • The last working day of semester and University exam dates are announced by Anna University which is subjective to change. Such necessary changes will be announced at the earliest. • Department level academic calendar is prepared for every semester beginning based on college academic calendar. • It consists of department level activities like Presentation day, Class committee meetings, Department meetings, Review meeting, Faculty development programme, Student programme, workshops and other activities. • Based on this calendar, internal assessment test and other activities are executed • The academic calendar will be made and displayed in the individual class notice board. • The Time table is prepared on par with the academic calendar and displayed in the individual class notice board and also circulated to the students.

## 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://krce.ac.in/agar/files/co-po/UG>

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
104	BE	CSE	119	112	94.12
106	BE	ECE	172	172	100
105	BE	EEE	133	106	79.33
114	BE	MECH	212	178	83.96
405	ME	CSE	3	3	100
403	ME	CS	5	4	80
411	ME	PSE	6	5	83.33
408	ME	ED	2	2	100
631	MBA	MBA	39	39	100
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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.krce.ac.in /IOAC//files/SSS.pdf>

## 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
Any Other (Specify)	01	KRYPTO SYMPOSIUM	0.1	0.1
Students Research Projects (Other than compulsory by the University)	365	Institution of Engineers India	0.3	0.3
Students Research Projects (Other than compulsory by the University)	365	Institution of Engineers India	0.3	0.3
Students Research Projects (Other than compulsory by the University)	365	Institution of Engineers India	0.3	0.3
Minor Projects	180	TNSCST	0.1	0.1
Any Other (Specify)	365	AICTE MODROBS (VLSI Lab Modernization)	20	10.5
Any Other (Specify)	15	DST-NIMAT 2019-20	1	1
Any Other (Specify)	01	ISTE SEMINAR	0.05	0.05
Any Other (Specify)	01	IEEE	0.03	0.03
Any Other (Specify)	01	PMMMNMTT, MHRD	0.05	0.05
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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
One day workshop on Python programming	CSE	22/06/2019
Two days workshop on deep learning	CSE	10/07/2019
SmartEra2k19-one day technical exhibition	CSE	28/08/2019
Guest lecture on AdHoc and Sensor Networks	CSE	03/10/2019

Guest lecture on Cryptography and network security	CSE	05/10/2019
LEAD 2020 - school students induction program on computer training	CSE	01/09/2019
Pydroid-Two days hands on workshop on IoT Using Raspberry Pi	CSE	22/01/2020
Two days Internal Hackathon	CSE	22/01/2020
Alumni meet	CSE	03/03/2020
Webinar On Machine Learning And Deep Learning	CSE	29/05/2020
Entrepreneurship Awareness Camp	MECH	02/02/2020
SUVC Virtual Round	MECH	04/01/2020
Fundamentals and Advancements in Automobile	MECH	14/02/2020
CNC machining and programming	MECH	10/03/2020
Hands on Training on NDT Techniques	MECH	12/02/2020
Tribology of green composites	MECH	31/01/2020
52nd Engineers Day Celebration	EEE	14/09/2019
Institution Innovation Council - Innovation Day Campaign	EEE	15/09/2019
Active Learning strategies for effective learning in class rooms	EEE	13/12/2019
Energy Management Power Quality Issues on Renewable Energy Systems	EEE	18/12/2019
Faculty Development Program on Power Electronics for Renewable Energy Systems	EEE	27/12/2019
KRYPTO 2020	EEE	24/01/2020
IEEE - INAUGURAL FUNCTION	EEE	24/01/2020
Entrepreneurship Awareness Camp ( EAC)	EEE	10/02/2020
ISTE Inaugural Function( Student Chapter TN477)	EEE	15/02/2020

Idea presentation National science Day	EEE	06/03/2020
Knowledge sharing session on success proposal and research paper	EEE	01/05/2020
Workshop On An Insight Of LABVIEW And Its Applications	EEE	14/05/2020
Guest Lecture On Control System Engineering	ECE	21/09/2019
Entrepreneurship Awareness Camp	ECE	08/01/2020
Entrepreneurship Awareness Camp	ECE	22/01/2020
Entrepreneurship Awareness Camp	ECE	27/01/2020
Guest Lecture On Rocket Science And Navigation	ECE	27/01/2020
EC Entra2020 National Level Workshop And Symposium	ECE	07/02/2020
Guest Lecture On Prp	ECE	03/03/2020
Webinar On The First Step Of An It Professional	ECE	14/05/2020
Webinar On Buid Up Career In Embedded Core Industry	ECE	17/05/2020
Webinar On Basics Of Antenna Design	ECE	19/05/2020
Webinar On Deep Learning With MATLAB	ECE	20/05/2020
Webinar On Synthesis And Optimization Of Digital Circuits	ECE	22/05/2020
Webinar On Opportunities In Public Sectors Through GATE Exam	ECE	23/05/2020
Nanotechnology In Drug Delivery System Of Healthcare Applications	Chemistry	29/05/2020
Investigations On Phasematchable In Nonlinear Optical Materials	Physics	29/05/2020
Enhancing Professional Skills	English	29/05/2020

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
<b>No Data Entered/Not Applicable !!!</b>				

[View File](#)

### 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
01	YUGA Industries	Alumini students	NIL	NIL	Nil
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### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
20114012002 - Mr.Joshua Arul Kumar (31.1.2020) (EEE)	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)
International	MECH	21	1.96
International	CSE	48	0.52
International	EEE	26	0.27
International	ECE	29	0.73
International	MBA	2	0
International	S H	11	3.05
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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
EEE	7
ECE	22
MECH	18
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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
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	1473	Nil	Nil
Presented papers	62	Nil	Nil	Nil
Resource persons	1	Nil	5	9
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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
E-Eminencia	KRCE/NSS/YRC	2	455
Blood Donation camp	KRCE	3	500
Mahatma Gandhi Eye check upCamp	KRCE/NSS/YRC Mahatma Gandhi govt hospital	2	50
Awareness Movie "Kuzhandaigalin Nehru Mama"	KRCE/NSS/YRC	3	100
Awareness Camp for Tobacco and Drug usage	KRCE/NSS/YRC	2	8
Awareness Camp for Smoking	KRCE/NSS/YRC	3	200
Awareness On Novel Corona Virus-COVID-19. (10/0213/03.2020	KRCE/NSS/YRC	3	500
Vasan Eye Checkup camp	KRCE/NSS/YRC	160	1600
Deworming day	KRCE/NSS/YRC	5	200
Program for International day against Drug abuse and illicit Trafficing	KRCE/NSS/YRC	4	100

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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
<b>No Data Entered/Not Applicable !!!</b>			
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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 activities	Number of students participated in such activities
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

### 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
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

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
Tiruchirapalli District Tiny Small Scale Industries Association -TIDITSSIA	14/09/2019	In plant training, Internship , Field visit etc.,	79
Siemens Centre of Excellence in Manufacturing @ National Institute of Technology	20/09/2019	In plant training, Internship, Project work etc.,	124
ISRO	27/01/2020	Internship, Project work etc.,	200



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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
118320000	106009619

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Existing
Class rooms	Newly Added
Campus Area	Existing
No file uploaded.	

### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
OPAC Software http://192.168.38.100/impreserp/OPAC/Default.aspx Dolphin Software Solution	Fully	6.0 - 2016	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	31621	12732769	2420	1073203	34041	13805972
Reference Books	1495	1717241	88	228945	1583	1946186
e-Books	706	211140	706	13570	1412	224710
Journals	1576	3043256	174	477324	1750	3520580
e-Journals	9	5308283	2	675615	11	5983898

Digital Database	1	211140	1	13570	2	224710
CD & Video	1500	Nil	Nil	Nil	1500	Nil
Library Automation	1	159510	Nil	13076	1	172586
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil	Nil
Others (specify)	1	1869227	2	107968	3	1977195
No file uploaded.						

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
No Data Entered/Not Applicable !!!			
No file uploaded.			

#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1030	14	1	1	1	14	60	250	0
Added	0	0	0	0	0	0	0	0	0
Total	1030	14	1	1	1	14	60	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
e-resource learning facility -IEEE- IEL	<a href="https://ieeexplore.ieee.org/Xplore/home.jsp">https://ieeexplore.ieee.org/Xplore/home.jsp</a>
e-resource learning facility-SPRINGER NATURE 1	<a href="https://link.springer.com">https://link.springer.com</a>
e-resource learning facility- J-GATE	<a href="https://jgateplus.com/home">https://jgateplus.com/home</a>
e-resource learning facility- DELNET	<a href="https://164.100.247.26">https://164.100.247.26</a>

#### 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	Expenditure incurred on	Assigned budget on	Expenditure incurred on
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academic facilities	maintenance of academic facilities	physical facilities	maintenance of physical facilities
110195000	105670552	8125000	5990076

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)

[www.krce.ac.in/IQAC/files/Procedures Physical Facilities: Facilities for enhanced Teaching learning Environment. Classrooms, Laboratories: 54 Classrooms with Wi-Fi facility and LCD projector. Well equipped laboratories to carry out regular practical sessions, Project work and Research work. ICT Facilities: Technology enabled learning with well equipped TELC lab, Internet labs and Computer labs. To enhance and impart executive training in Communicative English language lab is established. Online resources in the Library. Common Facilities are also provided. These facilities include Cafeteria, Amphi theatre, CCTV Camera, Vehicle parking system, Ramp facility, Lift facility. Spacious play ground facility to enhance sports activities. Hostel facilities include separate block for Boys and Girls. Erection of Solar panels.](http://www.krce.ac.in/IQAC/files/Procedures%20Physical%20Facilities%20Facilities%20for%20enhanced%20Teaching%20learning%20Environment.pdf)

<http://www.krce.ac.in/IQAC>

## 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	KRCE SCHOLARSHIP	111	3926250
Financial Support from Other Sources			
a) National	BC/MBC/DNC/SC/ST	718	12005695
b) International	00	Nil	0
No file uploaded.			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Phase II External Training	Nil	305	Nil	Nil
2019	TCS Codevita	Nil	227	Nil	6

	Training				
2019	WIPRO PRP TRAINING	Nil	122	Nil	51
2019	TCS Ninja Company Specific Training	Nil	275	Nil	14
2019	CTS Company Specific External Training	Nil	189	Nil	56
2019	II Year Training On C Language And Public Speaking	Nil	583	Nil	Nil
2019	WIPRO Company Specific Training	Nil	193	Nil	Nil
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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
4	4	15

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

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
Any Other	46

Any Other	1
No file uploaded.	

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

Activity	Level	Number of Participants
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

**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
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

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

KRCE Student council focuses towards the overall development of students and organizes various academic, extracurricular and co-curricular activities throughout the year. The student council members are assigned in various clubs and cells as per norms. The energetic and vibrant students of KRCE are assigned with various positions like President, Vice-President, Secretary, Joint Secretary, Treasurer, and Event Coordinator in the Clubs, Committee, Cell and Societies which pave them the way to play a vital role to channelize the energy of the students in a positive and constructive manner. The details of various academic and administrative committees under the Student Council are

1. CLASS COMMITTEE MEMBERS: The class committee for a class is normally constituted by the Head of the Department. The class committee members comprise of teachers of the class concerned, 8 student representatives (4 boys and 4 girls) and a chairperson who is not teaching the class. Class committee meeting is conducted regularly to discuss about academic schedule, details of regulations, assessments, syllabus coverage, performance of the students, guidance and coaching to be provided to the students.

2. NSS/YRC/RRC: NSS unit co-coordinator Mr.A.Balakumar and YRC/RRC coordinator Mr.N.R.Nagarajan with student council members have been rendering valuable service by organizing Awareness programme , Blood donation camp, Eye check up camp, Helmet awareness rally, Road safety awareness ,Voters new entry camp which inculcates the habits of social and national responsibilities amongst the students.

3. EVS CLUB: Mrs.M.Thamaraiselvi, Coordinator of Environmental Science Club and Head, Department of Chemistry with student office bearers play an important role in creating environmental awareness, positive impacts towards Mother Nature amongst the future generation. The club organizes various competitions, webinars, food donation camps, awareness programs in every academic year and motivate students to express their creativity, innovation and ideas to create a better eco friendly environment.

4. FINE ARTS CLUB: Mr. M. Karunakaran, Coordinator, HOD/Department of English with student office bearers actively regulates our students and sharpen them to excel in several activities. This club focuses on participating inter and intra collegiate programmes and they constantly secure good position in all the events. To mention a few ,an inter school cultural event, Enthusia- a hunt for young springs for the school children and an intra-college cultural fest such as Talentia, Pongal Day Celebration, Matribasha Diwas, etc., to showcase their talents. Students' talents on various disciplines are scrutinized by the committee and the best

are taken to participate in various inter college competitions in around Tamilnadu. 5. SHELLEY CLUB : Dr.S.Neelakandan, Asst.Prof/Department of English in-charge of this club, actively involves by conducting various literary activities and competitions to the students. Shelley club provides a platform by conducting many competitions like elocution, essay writing, poetry recitation, extempore, and other various activities provide them an opportunity for self-expression. 6. KRCE EXPRESS : Students express their talent in the form of articles, poetry, drawings and so on. 7. ANTI-RAGGING CELL: Anti-Ragging committee comprises the Principal as Head, Heads of other departments as members of the committee and student members. This committee ensures that all the students should not involve in ragging incidents both on-campus and off-campus. Also it is warned that students those who indulge in ragging will be strictly punished. Anti-ragging information is displayed in all the notice boards. This committee will be involved in designing strategies and action plan for curbing the threat of ragging in the college. 8. STUDENTS GRIEVANCE REDRESSAL COMMITTEE: This committee addresses complaints lodged by any student and effectively resolves the grievances of students. It maintains discipline among the students. 9. WOMEN EMPOWERMENT CELL: Aiming at social upliftment of the female students Ms.K.Maithri, Assistant Professor/ Department of English coordinator of Women Empowerment Cell the cell stands for facilitating women's empowerment through guest lectures, awareness programmes and other activities and provides many opportunities exclusively for girls. It is always a pleasure to aware and vigil the girl students and to make their life treasure. Many activities are being conducted in our college to manifest their talents. The club organizes Women's day every year to felicitate womanhood. 10. TN45 MOTORSPORTS -SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) Collegiate Club : The club is headed by Principal and coordinated by 3 faculty members members Mr.H.Ramkrishnan, Mr.M.Ramesh , Mr.M.Manimaran , of MECHANICAL Department along with the enthusiastic students , work on different Automotive Projects each year namely All Terrain Vehicles (ATV), Go-Kart, Quad bikes, Aero Modelling, Efficycle and E-Vehicles etc., The team goes to various national and international events organized by SAE, FMAE, RSTE etc., This club provides platform for all department students to jointly design , innovate, fabricate and test their vehicles. This club is to understand real time engineering required in industries to prepare documents like design reports, Business plans, Cost reports, PPC, Gantt charts etc., 11. SPORTS: This committee organizes various sport events at the local, state, national levels. It also organizes the interdepartmental sports events. Our students actively participate in various sports in intercollegiate, inter-university, state, national and international levels. 12. ENCRYPT EUREKA: 13. REGIONAL LANGUAGE CLUB : 14. Departments have their own active registered technical societies like IEEE student chapter, IEEI Student chapter ISTE Student chapter, IETE Society, CSI Student chapter and EnSAV club through which workshops, Seminars , Quiz, Symposiums, Contests, Value Added courses and International conference are organized every year. IEEE student chapter includes IEEE women in Engineering Affinity Group, IEEE Antenna and Propagation Society, IEEE Power and Energy Society, IEEE Robotics and Automation. During 2019-2020, our institution bagged the IEEE Best Student Branch Award

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Our institution has registered with the Alumni association. Alumni Office Bearers are assigned to carry out regular interaction meetings. The KRCE ALUMNI association has been registered under sec.10 of the Tamilnadu Societies Registration Act 1975 on 01.07.2019. The alumni association was formed with 13 members with the designation of President, Vice-President, Secretary, Joint-

Secretary Treasurer and Executive Committee members. ? Department wise Alumni meetings are conducted and interacted. ? Maintains records of alumni for the meets that take place. ? Organizes Alumni interactions. • Our alumni are well known entrepreneurs at various top industries and organization. During the alumni meet their suggestions their experience and feedbacks are collected and used as inputs by the institution for the development link between the department and its industry partners. • Our Alumni support our students towards Placement activities and to carry out Internship. Outstanding alumni are invited for interactive sessions to discuss on the recent developments with the students and staff . These sessions inspire the students and expose them to the opportunities in career as well as employment. Our alumni contribute to the teaching learning processes indirectly by providing a variety of information.

5.4.2 – No. of enrolled Alumni:

500

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

No Data Entered/Not Applicable !!!

5.4.4 – Meetings/activities organized by Alumni Association :

The following are the meetings and activities organized by/for alumni in the academic year 2019-2020 . Department of MBA organized the Alumni meet On 7.02.2020 .Department of Mechanical, ECE,EEE AND CSE ,organized on 07.03.2020

## 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)

Vision: To achieve a Prominent Position among the Top Technical Institutions. • To ensure a decentralized system our institution has a HR policy system which briefly points out the Roles and Responsibilities which are executed at Principal level, Faculty level and Student level for quality Parameters and quantitative assessment metrics. • Effective Participation of the Management is carried out with Strategies at various functional level and operational level. • Head of the Department plans and conducts "Value Added Courses" in Consultation with the students. Details of Value Added Courses are approved by the Principal. • Department budget prepared by HOD's for the purchase of laboratory equipments is approved by the Principal and further progress is carried out. • The Governing council committee has delegated a fixed amount of the financial power for the Executive Director, Principal, HOD, Librarian, Placement Training and Hostel Warden. • Examination work is delegated to Exam cell with a faculty member as in- charge. • Training Development Cell and Placement Cell are delegated to the Department faculty members. • Co-Curricular Extra-curricular activities are delegated to Faculty Advisors of Various Clubs.

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	(1) As per University regulations
Industry Interaction / Collaboration	Industry - Institute Interaction Cell of KRCE is to create adequate



facilities of updating knowledge of professional engineers to meet the growth and developmental needs of the industry and to coordinate the research and developmental activities of the two systems. The cell is headed by Principal.

**Human Resource Management**

(1) HR policy is created for K. RAMAKRISHNANCOLLEGE OF ENGINEERING. This HR policy replaces any and all earlier personnel or Employees HR policy, other policies and procedures, benefit statements, and memoranda, whether written, oral or established by practice from 2014 onwards updated version with effect from 5th April 2018. (2) HR CELL: ? Formulates HRD Policy and manual ? Disseminate the Hr Policy ? Revises the versions of Hr Policy ? Conducts periodical performance appraisal for the faculty Group ? Provides Monetary awards and rewards to the faculty Group for their performance in academic and Extracurricular activities (3) A transparent HR policies for promotion, increment etc. (4) HR appraisal version 4. (5) CAMU software for Admin support.

**Library, ICT and Physical Infrastructure / Instrumentation**

(1) KRCE Central Library has an excellent collection of valuable Books, Journals, Technical magazines, News Papers, engineering, science, humanities and management. It maintains separate collections of reference books, general books and Engineering and Technology books, bound volumes of journals, reports, 2100 CD ROMs. (2) Common Computing Center in the library is well equipped with internet facility and 24 x 7 Wi-Fi facility (3) Digital Library : Wi-Fi enabled reading area in the library is to provide wireless access to the users to use their laptops. 20 PC head phones are meant for users to access databases, e-books, e-journals and other e-resources. One printer is for taking printouts from the e-resources. (4) E-Resources : The library provides IP enabled access to a large number of full texts online journal databases from the various publishers. Digital library is provided in central library where students can access all kinds of E-journals. (5) RF ID for book issue and return. (6) RF ID enabled security gate, stock verification, E-Register for staff and



students entry. (7) Member of National digital Library and DELNET. (8) Web OPAC KRCE : Central Library has Online Public Access Catalogue through which one can access catalogue of Books/CDs/Journals etc. in online mode.

Web OPAC (Online Public Access Catalogue) is a search engine for finding any catalogue on KRCE Central Library. (9) Information Communication Technology (ICT) : eLab is an auto evaluation tool for learning programming. eLab helps learners to practice and acquire programming skills. Learning to program helps a person to become more logical, creative and innovative. eLab is a tool for students to learn how to code and sharpen their programming skills. A student can start as a beginner and finish on an advance level, solving around 300 questions from a pool of questions. (10) Adequate provisions for extra-curricular activities are available in the institute. At present, facilities are available for Badminton, Volley-Ball, Football, Cricket, Basketball, and other indoor games (11) Other amenities such as indoor auditorium, canteen, hostels, basketball court, volleyball court, ATM. (12) The College organizes the annual sports meet in every academic year. It provides an excellent platform for the students to exhibit their sports and game capabilities. Various events like 100 meter, 200 meter 400 meter, 800 meter race, high jump, long jump, triple jump, shot put, badminton, basketball etc are conducted. (13) A well built gymnasium within the campus.

Research and Development

? Research and Development (1) Motivation of Faculty members to publish papers in Scopus/SCI/SCIE/SSCIE/Web of science Journals by providing Incentives. (2) Sponsorship for doing Ph.D. (3) Sponsoring for National, International Conferences, Workshops and FDP. (4) Encouraging faculty to apply for the funded projects. (5) Providing incentives for publication in refereed Journals.

Examination and Evaluation

? Examination and Evaluation Examination Pattern (1) Three terminal test and one model exam. (2) Coaching classes for slow learners. (3) Adoption

classes. (4) Night study for hostel students. (5) Continuous evaluation is carried out through test and tutorial classes.

Teaching and Learning

1. Teaching-Learning process is the heart of outcome based education that enables the students to acquire the knowledge, skills and attitudes. 2. All the lectures, tutorials, collaborative learning, independent learning, peer teaching approaches for the students are efficiently carried out. The different approaches are made possible with the integration of teaching material/ teaching aids. 3. The quality improvement of teaching learning process is customized by the following activities: • Adherence to Academic Calendar • Use of Various instructional methods and pedagogical initiatives • Methodologies to support weak students and encourage bright students • Quality of classroom teaching • Conduct of experiments • Continuous Assessment in the laboratory 4. Student feedback of teaching learning process and actions taken a. E-Curricula adapted. b. Smart class teaching methods are adapted. c. NPTEL video tutorials. d. Industrial visit and Industry oriented trainings. e. Value added courses. f. Motivation for Students and Staff to write NPTEL exams. g. Rubrics to assess the level of students practicals and projects. h. Live lecture programs. i. Financial support to students who participate in competitions.

Curriculum Development

K. Ramakrishnan College of Engineering is affiliated to ANNA UNIVERSITY, Chennai. Hence the syllabus / curriculum prescribed by the university are followed. Anna University curriculum contains Humanities and Social sciences, Basic sciences, Engineering Sciences, Professional Core, and Professional Elective, Open Elective, Employability Enhancement courses. The curriculum is framed and reviewed by the university once in 4 years by the board of studies. For Developing Curriculum our college practice academic calendar, parents meeting to discuss about Students performance and Review meetings along with HOD's, Principal, Advisor and Executive Director. Compliance of the Curriculum : 1. PO's

and PSO's are stated. 2. University curriculum is stated domain wise and the percentage of total number of credits for each domain is calculated. 3. The total number of contact hours for each domain in a semester is calculated. 4. The PO's and PSO's mapped with each domain is found out. 5. The compliance is found out by checking whether each domain maps with the relevant PO's and PSO's. 6. The domain wise subjects are listed in detail.

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

E-governance area	Details
Examination	<ul style="list-style-type: none"> <li>• Conducts and monitors Internal exams.</li> <li>• Prepares exam time table, invigilation duties, seating arrangement etc.</li> <li>• Collects question papers from the faculty concerned in a sealed cover signed by them.</li> <li>• 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.</li> <li>• Maintains records of the conduct of the examinations like attendance particulars, invigilation duties, supporting staff etc.</li> <li>• Prepares invigilation duties, seating arrangements etc. for the University examinations.</li> <li>• Maintains records regarding the university examinations like attendance particulars, invigilation duties, supporting staff etc.</li> <li>• The Marks are evaluated and entered in CAMU software for Analysis.</li> </ul>
Planning and Development	<ul style="list-style-type: none"> <li>• MIS of the institution helps in proper Planning and development.</li> <li>• Approves the budget presented by the Principal and monitors the budget utilization.</li> <li>• Mobilizes resources for the development of the institution.</li> <li>• Approves academic plans proposed by the Principal</li> <li>• Oversees the overall development of the institute.</li> </ul>
Administration	<ul style="list-style-type: none"> <li>• Board of Trustees approves the directive principles and policies, Manages, Administers and controls the trust fund properties under its management.</li> <li>• For the proper and efficient administration the rules and regulations are properly monitored.</li> <li>• Governing body guides the institution in Academics, student faculty development and Research Development</li> </ul>

	helps the institution in its pursuit to become a center of excellence and establishes continuous improvement.
Finance and Accounts	<ul style="list-style-type: none"> <li>To maintain Accounts in the Accounts department.</li> <li>Continuous accounting practices is followed with Maintaining record of each financial transaction.</li> <li>Records which include details of income and expenditure like Staff salary, Students fee collection, Purchase details , Funded projects income etc.</li> </ul>
Student Admission and Support	A Systematic Admission procedure is followed as per the University norms. <ul style="list-style-type: none"> <li>Proposes admission policy</li> <li>Arranges promotional campaigns</li> <li>Executes the admission process</li> <li>Designs and prints admission brochure</li> </ul>

### 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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)
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time

172	172	Nil	Nil
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6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>• Employee provident fund.</li> <li>• One way free transport.</li> <li>• Travel allowance for staff members deputed on official OD by Principal.</li> <li>• Incentives and Rewards based on the Staff member's performance and contribution.</li> <li>• Compensation leaves for the staff members who work on special assignments during holidays.</li> <li>• Staff members are financially supported for presenting papers in Conferences / attending Seminars, Workshops, FDP and SDP etc.</li> <li>• Faculty members pursuing PhD can avail 12 days OD per year for Research work.</li> <li>• Honorarium for Paper publication.</li> <li>• Vacation Leave to the faculty members with eligible service.</li> <li>• Maternity leave and paternity leaves as per norms.</li> <li>• Personal Loans without any interest.</li> <li>• Staff tour and dinner.</li> <li>• Medical Insurance (Star Health).</li> </ul>	<ul style="list-style-type: none"> <li>• Two way free transport.</li> <li>• Personal Loans without any interest.</li> <li>• Employee provident fund.</li> <li>• Compensation leaves for the staff members who work on special assignments during holidays.</li> <li>• Vacation Leave to the faculty members with eligible service.</li> <li>• Maternity leave and paternity leaves as per norms.</li> <li>• Medical Insurance (Star Health).</li> </ul>	<ul style="list-style-type: none"> <li>• Annual day Cash award for subject toppers.</li> <li>• Encouragement for Top 25 students with cash awards.</li> <li>• Fee concession and relaxation for meritorious students.</li> <li>• Cash award for students who excel in sports.</li> <li>• Fee reimbursement for students who excel in academics.</li> <li>• Scholarships.</li> <li>• Accident Insurance.</li> </ul>

**6.4 – Financial Management and Resource Mobilization**

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

Yes
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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
<b>No Data Entered/Not Applicable !!!</b>		
No file uploaded.		

6.4.3 – Total corpus fund generated

14950
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**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	ISO 14001-2015, ISO 9001-2015 NBA, AUTONOMOUS AUDIT	Yes	IQAC
Administrative	Yes	ISO 14001-2015, ISO 9001-2015 NBA, AUTONOMOUS AUDIT	Yes	IQAC

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

- Parent Teacher meeting with HOD's (Department wise).
- Induction meeting with students and parents (First year).
- Feedback from parents (Academic, Non - Academic and General).

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

Different Development programmes are organised by the college for the support staff such as: • Orientation Programme for Newly joined faculty members. • Workshops. • NPTEL • Staff Seminar (Department wise) • Faculty Development Programme.

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

1. Motivation to faculty to qualify with Ph.D.
2. Accreditation of NBA to Mechanical, ECE, EEE Programmes.
4. Recognition as Autonomous Institution.
5. Recognition of college under Section of 2(f) 12(b) of the UGC
6. Introduction of New Courses.
7. Development towards ISO-14001:2015.

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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

**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

Lead Government School Students Induction Programme (CSE)	09/01/2020	10/01/2020	31	19
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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
• Sapling Plantation. • Solar panel erection. • Development towards ISO: 14001:2015

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nil
Rest Rooms	Yes	1
Scribes for examination	Yes	Nil
Special skill development for differently abled students	Yes	1
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	Nil	1	Sai baba temple Kumbabisegam	Volunteers	32
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	05/07/2019	HR policy is created for K. RAMAKRISHNAN COLLEGE OF ENGINEERING. This HR policy replaces all the other policies, procedures, benefit statements, memoranda and



other established written or oral practice. The information in this HR policy is important to all of our Employees and they should read the manual and duly sign the report. Whenever there is a clarifications on college policies and benefits HR policy should be referred.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

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

1. K.Ramakrishnan College Of Engineering (Autonomous), Tiruchirapalli, Located In The Famous Temple Town Of Shri Samayapuram Mariyamman Temple, On The Sprawling Campus Of 30 Acres With Panoramic And Pleasant Views Is Highly Protected By The Lush Green Even In The hot Summer. The Green Initiatives Ensure Less Temperature Inside The Campus. 2. SAPLING plantation programmes are done inside and outside the campus to maintain clean and green campus. 3. Environmental awareness slogans are displayed in the College campus. 4. Celebration of World Environment Day, World WATER Day, World EARTH Day, World WILDLIFE Day, to encourage awareness among students to protect environment . 5. Solar Panel: Solar panels have been installed on the roof top of our institution with a capacity of 150KW 6. Rain Water Harvesting: Rain water harvesting facility is available in the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

? Kaizen ? Newspaper Reading ? Concept of the day

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

<http://www.krce.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

“To achieve a prominent position among the top technical institutions”  
 “K.RAMAKRISHNAN COLLEGE OF ENGINEERING” is located in the famous temple town of Shri Samayapuram Mariyamman temple, on the sprawling campus of 30 acres with a panoramic and pleasant view. • Started in the year 2008 • KRCE is one of the ideal colleges which directs towards “Empower through Education”. • The prominent goal of our renowned institution is to bring up remarkable students who can Excel not only in the field of technology but in all the spheres. • Executes efficient and progressive performance of academic and administrative tasks. • Achieved 1st position in Trichy region and secured 18th rank in April/May 2018 and 13th rank in Nov/ Dec 2018 for Academic performance in Anna University Examinations. • Achieved 12th rank in top 20 engineering colleges in India with excellent industry exposure in higher education review • Achieved



10th rank among 443 Engineering Colleges in Tamilnadu in Nov/Dec 2019 Anna University Examinations ? Secures University Rank Positions in all Departments. ? Anna University approved Research Centers for ECE, CSE MECHANICAL Departments. ? To update with the latest practical concepts Centre of Excellence lab is available in all departments. ? Has established Institution Innovation Council (IIC) as per the norms of Innovation cell, Ministry of HRD, Government of India, ? The college offers welfare schemes, remedial coaching, bridge course and personal academic mentoring to cater to the needs of the needy students ? Awarded " A" grade by NAAC in 2016 with 3.10 in I Cycle ? NAAC Certification period is extended up to December 2025 in 2020 ? Awarded NBA Accreditation for three programmes namely ECE, EEE and Mechanical in 2019. ? Awarded Autonomous status in 2020 ? Certified with ISO 9001:2015 Certification from 2018 to till date ? Certified with ISO 14001:2019 Green Campus Certification from 2019 to till date. ? Permanent affiliation for all the UG Courses along with MBA from 2019 onwards. ? Got 3 stars from IIC - MHRD in 2019 ? Got 4 stars out of 5 from IIC - MHRD in 2020. ? Became ARIIA Ranked institution with Band B Category (26 -50) ? Awarded with "Excellence in Education Award" in 2018 2019 at CSR Nights in New Delhi ? Active registered technical societies like IEEE student chapter ( IEEE women in Engineering Affinity Group, IEEE Antenna and Propagation Society, IEEE Power and Energy Society, IEEE Robotics and Automation), IEI Student chapter , ISTE Student chapter, IETE Society, CSI Student chapter and EnSAV

Provide the weblink of the institution

<http://www.krce.ac.in>

#### **8.Future Plans of Actions for Next Academic Year**

1.To introduce new UG courses. 2.Focus towards enhancement of the Research work ,Publications and Funded Projects. 3. NIRF Ranking 4. Focus towards the achievement of h-index of departments and institute.