

Yearly Status Report - 2018-2019

Part A		
Data of the Institution		
1. Name of the Institution	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	TIRUCHRAPALLI	
State/UT	Tamil Nadu	
Pincode	621112	
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Semi-urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr.R.Balasundaram
Phone no/Alternate Phone no.	04312670699
Mobile no.	9976102422
Registered Email	iqac@krce.ac.in
Alternate Email	principalkrce@gmail.com
3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.krce.ac.in
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink:	http://www.krce.ac.in/IQAC
	<u> </u>

5. Accrediation Details

Cycle	Grade	CGPA	Year of	Vali	dity
			Accrediation	Period From	Period To
1	A	3.10	2016	29-Mar-2016	28-Mar-2021

6. Date of Establishment of IQAC 11-Sep-2015

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture			
Item /Title of the quality initiative by Date & Duration Number of participants/ beneficiaries			
No Data Entered/Not Applicable!!!			
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Departmen t/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	<u>View File</u>
10. Number of IQAC meetings held during the year :	5
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	<u>View File</u>
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)

? Preparation work towards NBA for the three programmes MECHANICAL, ECE and EEE. ? Preparation work towards Autonomous Audit visit. ? Preparation work towards ISO: 14001:2015 to make the Campus Eco friendly. ? Effective and Efficient Placement Training for students. ? Arrangement of Foreign Language Courses completion of Japanese Course N5 level.

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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		
Encouraging more number of students to participate in NPTEL exams and online exams to Improve their technical knowledge.	Awareness about NPTEL is given to the students		
To enhance research activities with research Funds, Patents and Consultancy	Staffs and Students were encouraged to publish Papers, File & Publish Patents.		
E-curricula teaching, Learning and evaluation system. To collect feedback	Implemented		

from students on quality parameters related to curriculum, teaching learning and evaluation process To provide the students with TOEFL, GATE, TNPSC, UPSC and GRE training Encouraging all the faculties for their career advancement to pursue research	
Development Programmes to expertise the students in technical field and research for meeting industry standards	• Resource persons from NIT, IITs and Reputed universities were invited to share their knowledge. • Students were made to visit company, so that they would become familiar of industry environment and the nature of ongoing projects. • Students are encouraged to go for In-Plant training for practical learning. • Students are encouraged & guided by IPR
Plan to conduct (1) Two Value Added Course for each department. (2) One Industrial visit per year. (3) Two Guest Lectures for Each department.	Each Department has completed (1) Value added Courses (2) Industrial visit has been successfully organized by the concerned department. (3) Guest Lectures, Seminars and Invited talks have been completed.
To recognize our college under section 2 (f) and 12 (b) of the UGC act, 1956. NIRF Ranking.	Under Progress
To receive Permanent Affiliation for Mechanical, ECE, EEE, CSE, MBA program.	Permanent Affiliation granted for Mechanical, ECE, EEE, CSE, MBA from Anna University on January'19.
Preparation towards NBA accreditation for three Programmes (Mechanical, ECE, EEE).	Under Progress
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
College Governing Council	18-Jan-2019
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	07-Feb-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)	• Globarena Software for Communication Lab. • VB Application Software for Fees Collection. • Dolphin iNET ImpressLibrary automation Software for library Access. • Proctorship details updation using online Software. • CAMU Software for OBE. • Crystal Login Software for Faculty Attendance monitoring. • ECurricula in Teaching Learning Centre. • Admission Enquiry.Net Application • Hostel Security System Web Application • CamsComplaint Management System

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 studentcentered 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 conduct 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 miniproject, 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. • 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
	No Da	ta Entered/Not	Applicable	111	

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
ME	POWER SYSTEM ENGINEERING	18/06/2018
BE	ECE	18/06/2018
BE	CSE	18/06/2018
BE	EEE	18/06/2018
BE	MECHANICAL	18/06/2018
MBA	MBA	25/07/2018
ME	COMMUNICATION SYSTEMS	18/06/2018
ME	ENGINEERING DESIGNS	18/06/2018
ME	COMPUTER SCIENCE AND ENGINEERING	18/06/2018

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

	Certificate	Diploma Course
Number of Students	54	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	
Java Programming	10/07/2018	143	
Modelling and Simulation of Digital System design	23/08/2018	45	
Embedded systems3	03/01/2019	43	
Modules of Lab view and Embedded systems2	08/01/2019	45	
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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		
BE	ECE	8		
BE	MECHANICAL	5		
BE	CSE	27		
MBA	MBA	31		
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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

• 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. • 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. • Facility feedback is also made online as like faculty feedback and the area of improvement is identified using the feedback. • 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.

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	MECHANICAL ENGINEERING	180	150	144
BE	CSE	120	121	118
BE	ECE	180	160	155
BE	EEE	120	100	72
MBA	MBA	60	55	39

ME	ENGINEERING DESIGNS	24	1	1
ME	COMPUTER SCIENCE& ENGINEERING	24	2	2
ME	COMMUNICATION SYSTEMS	24	5	5
ME	POWER SYSTEM ENGINEERING	24	6	6
27. 641				

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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	institution	Number of teachers teaching both UG and PG courses
			courses	courses	
2018	2352	121	121	22	143

2.3 - Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), Elearning 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
143	143	6	40	40	10
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

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 Mr. Ragunath CEO, RELAX,

Psychologist and Motivational Speaker. ? Mrs.Leema Peter, Ex-Principal, Psychologist and Motivational Speaker visits and counsels our students class wise.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2352	143	1:16

2.4 - Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
142	143	Nill	15	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	
2018	Dr.K.Dhayalini	Professor	Green9 Energy Excellence Award	
2018	Mr.P.Vigneshwaran	Assistant Professor	Green9 Energy Initiative Award	
2018	Mr.R.Sasikumar	Mr.R.Sasikumar Assistant Professor		
2019	Mr.M.Ramesh Mr.H.Ramakrishnan	Assistant Professor	Appreciation Award (SUVC/RCTE)	
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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 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)

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words) 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			
114	BE	MECHANICAL	215	199	92.55			
104	BE	CSE	120	120	100			
106	BE	ECE	173	170	98.26			
105	BE	EEE	124	119	95.96			
631	MBA	MBA	31	31	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/IQAC/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		
No Data Entered/Not Applicable !!!						
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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
Industry Institution interaction	ECE	09/03/2018
FDP On Emerging 5G and its implementation challenges	ECE	08/02/2018
Mm wave antenna design for 5G research frontiers	ECE	07/09/2018
One day workshop on Wear Characteristics of Composite Materials	MECH	16/02/2019
POWER PLANT ENGINEERING	EEE	14/08/2018
Power System Analysis	EEE	04/09/2018
Control Systems	EEE	04/09/2018
Energy management and auditing	EEE	20/12/2018
Protection and switch gear	EEE	31/08/2018
International Conference on Innovations in Engineering Technology and Science	Mechanical, ECE, EEE, CSE MBA	13/03/2018
Two day's workshop on python programming	CSE	19/08/2018
Two day's workshop on machine learning and Latex Tools	CSE	27/12/2018
One day seminar on Industry 4.0	CSE	20/09/2018
Two days FDP on Introduction to PHP programming	CSE	14/02/2019
IPR for students and Faculty Members	EEE	08/02/2019
FDP in High Voltage Engineering	EEE	20/06/2018
Art of Mastering Interpersonal skills	ENGLISH	25/07/2018
Seminar on Antenna Measurements	ECE	04/05/2018
Planner Antenna Design Concept	ECE	14/07/2018
Entrepreneurship awareness Camp	ECE	20/08/2018
Digital Signal Processing using DSP processors	ECE	19/09/2018

3.2.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year Title of the innovation Name of Awardee Date of award **Awarding Agency** Category No Data Entered/Not Applicable !!! View File 3.2.3 - No. of Incubation centre created, start-ups incubated on campus during the year Incubation Name Sponsered By Name of the Nature of Start-Date of Center Commencement Start-up up No Data Entered/Not Applicable !!! View File 3.3 - Research Publications and Awards 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	147000

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

Name of the Department	Number of PhD's Awarded		
EEE	1		
ECE	1		

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

Туре	Department	Number of Publication	Average Impact Factor (if any)		
International	MECHANICAL	34	1.5		
International	CSE	19	0.5		
International	EEE	24	1.36		
International	ECE	41	1.36		
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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		
MECHANICAL	34		
ECE	41		
EEE	24		
CSE	19		
SH	6		
MBA	3		
MECH, ECE, EEE, CSE, SH, MBA (CONFERENCE)	115		
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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	Name of	Title of journal	Year of	Citation Index	Institutional	Number of

affiliation as Paper Author publication citations mentioned in excluding self the publication citation No Data Entered/Not Applicable !!! View File

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
Attended/Semi nars/Workshops	13	4	8	1
Presented papers	115	Nill	Nill	Nill
Resource persons	8	Nill	Nill	Nill

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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		
HELMET AWARENESS RALLY	KRCE NSS/RRC/YRC	3	65		
BLOOD DONATION CAMP	KRCE NSS/RRC/YRC	3	108		
VOTERS NEW ENTRY AND CORRECTION CAMP	KRCE NSS/RRC/YRC	3	81		
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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	
Certification Course	Gold, Top 5	NPTEL	2	
Cultural Event	Mr.Yukiti	KRCE	1	
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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 C	Organising unit/Agen	Name of the activity	Number of teachers	Number of students
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	cy/collaborating agency		participated in such activites	participated in such activites
Swachh Bharat	KRCE	Inaugural Function with guest lecture	15	197
Swachh Bharat	KRCE	Pencil sketch competition	13	92
Swachh Bharat	KRCE	Mass tree Plantation	100	121
Swachh Bharat	KRCE	Field visit- Nammalvar Ecological Foundation	2	62
Swachh Bharat	KRCE	Quiz competition	5	81
Swachh BharatSwachh Bharat	KRCE	World Environmental day celebrations	25	71
Swachh Bharat	KRCE	Wall Painting of old government school	10	62
Hackathon	KRCE	Innovative Idea Presentation	5	240
No file uploaded.				

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	
Research - Seminar on How to improve h-index	Faculties and Students	KRCE	1	
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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

		1		
	Organisation	Date of MoU signed	Purpose/Activities	Number of
l				students/teachers

			participated under MoUs	
	No Data Entered/N	ot 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	
9950000	9917000	

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added	
No Data Entered/Not Applicable !!!		
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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
OPAC Software Dolphin Software Solution	Fully	6.0	2010

4.2.2 - Library Services

Library Service Type	Existing	Newly Added	Total		
No Data Entered/Not Applicable !!!					
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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 !!!					
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4.3 - IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Туре	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidt h (MBPS/ GBPS)	Others
Existin g	1030	14	1	1	1	13	59	250	0
Added	0	0	0	0	0	1	1	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-resourse learning facility-IEEE -IEL	https://ieeexplore.ieee.org/Xplore/home
e-resourse learning facility-SPRINGER NATURE 1	https://link.springer.com
e-resourse learning facility-J- GATE	https://jgateplus.com/home
e-resourse learning facility-DELNET	http://164.100.247.26

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
4	337335	90	10163334

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)

Physical Facilties: 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

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 !!!				
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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 !!!					
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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	
2018	Placement Training (PRP, Non - PRP)	Nill	800	Nill	734	
	No file uploaded.					

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
No D	ata Entered/Not Applicable	111

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 I	ata Entered/N	ot Applicable	111	
	<u>View File</u>				

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 D	ata Entered/N	ot Applicable	111	
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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	2	
No file uploaded.		

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

Activity	Level	Number of Participants
Pongal day Celebration	Inter Dept. Level	3000
Talentia '19	Intra College Level	408
Enthusia '18	Inter School Level	432
Eminentia'19	Inter College level	221

Investiture Ceremony	Intra College Level	181	
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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 !!!						
	<u>View File</u>						

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

HEAD STUDENT DEVELOPMENT ? Monitoring and Developing the students discipline in the campus ? Identify each students real potential through class advisor and encourage them to prove their performance in common platform. ? Identify the students real interest and help them to achieve it through proper guidelines. ? Motivate students to take active participation in sports and guide them to improve their performance for securing first position to their relevant interest area. ? Motivate the students to take active participation in cultural events. ? Motivate the students to prove their real talent by making them to participate in cocurricular activities. ? Encourage the students to bring innovative technical ideas in connection with their application area. ? Motivate the students to participate in other college events. ? Motivate the students to take active participation in contesting Reputed Colleges. ? Assign innovative project work to students through proper guidance. ? Motivate the students to take active participation in national and international level contest. ? Boost the morale of each student through proper guidance and counseling. ? Create and improve the positive attitude among the students by procviding proper guidance. ? Motivate the students to write articles with the faculty members. ? Monitor each students performance in all aspects to maintain their individual scorecard through class advisor. ? To build and improve the professional ethics among the students through proper guidance. ? To build strong value system among students community.

5.4 – Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

Yes

Yes. KRCE Alumni association registration process is under progress. The Alumni association, towards the registration process is formed with 13 members with the designation of President, Vice-President, Secretary, Joint-Secretary Treasurer and Executive Committee members, to execute the below mentioned activities. ? Arranges periodic meetings of Alumni. ? Arrangements towards the preparation of alumni news letter is under progress. ? Maintains records of alumni the meets that take place. ? Organizes Alumni interactions.

5.4.2 - No. of enrolled Alumni:

600

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

No Data Entered/Not Applicable !!!

5.4.4 - Meetings/activities organized by Alumni Association:

No Data Entered/Not Applicable !!!

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, HOD level, Class Advisor 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):

	<u> </u>
Strategy Type	Details
Admission of Students	(1) As per University regulations.
Industry Interaction / Collaboration	(1) MOU Signed with Industries.
Human Resource Management	(1) A transparent HR policies for promotion, increment etc. (2) HR appraisal version 4. (3) CAMU software for Admin support. (4) ERP software.
Library, ICT and Physical Infrastructure / Instrumentation	(1) RF ID for book issue and return. (2) RF ID enabled security gate, stock verification, E-Register for staff and students entry. (3) Member of National digital Library and DELNET. (4) OPAC Software. (5) Other amenities such as indoor auditorium, canteen, hostels, basketball court, volleyball court, ATM. (6) 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 refered Journals.
Examination and Evaluation	(1) Three terminal test and one model exam. (2) Coaching classes for slow learners. (3) Adaption classes. (4) Night study for hostel students. (5) Continuous evaluation is carried out through test and tutorial classes.
Teaching and Learning	<pre>(1) E-Curricula adapted. (2) Smart class teaching methods are adapted. (3) NPTEL video tutorials. (4) Industrial visit and Industry oriented trainings. (5) Value added courses. (6) Motivation for Students and Staff to write NPTEL exams. (7) Rubrics to assess the level of students practicals and projects.</pre>
Curriculum Development	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.

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

E-governace area	Details
Planning and Development	1. approves the budget presented by the principal and monitors the budget utilization 2. mobilizes resources for the development of the institution 3. approves academic planes propose by the principal 4. oversees the overall development of the institute
Administration	1. Board of trustees Approves the directive principles and policies manages, ADMINisters and controls the trust fund, properties and institution belonging to the trust under its management. monitors rules and regulations for the proper and efficient administration 2. governing body guides the institution in academics, student faculty development and R D helps the institution in its pursuit to become a center of excellence and establishes continuous improvement
Finance and Accounts	1.To maintain accounts in the accounts department
Student Admission and Support	a systematic admission procedure is

	followed as per the university norms
Examination	1. planning and execution of internal
	assessment tests and modal exams 2. the
	marks are evaluated and entered in CAMU
	Software for analysis 3. Webportal
	Entry for Anna University evaluation.

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 E	ntered/Not Appli	cable !!!		
<u>View File</u>					

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)	
2018	Orientat ion program for faculty members	Nill	22/08/2018	24/08/2019	108	Nill	
2018	communic ation training	Nill	06/09/2018	08/09/2018	108	Nill	
	No file uploaded.						

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 E	ntered/Not Appli	cable !!!		
ſ	<u>View File</u>					

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

Teac	hing	Non-teaching		
Permanent	Full Time	Permanent	Full Time	
18	5	5	Nill	

6.3.5 - Welfare schemes for

	a
Non-teaching	l Students
	Non-teaching

• Employee provident fund. • One way free transport. • Travel allowance for staff members deputed on official OD by Principal. • Incentives and Rewards based on the Staff member's performance and contribution. • Compensation leaves for the staff members who work on special assignments during holidays. • Staff members are financially supported for presenting papers in Conferences / attending Seminars, Workshops, FDP and SDP etc. • Faculty members pursuing PhD can avail 12 days OD per year for Research work. • Honorarium for Paper publication. • Vacation Leave to the faculty members with eligible service. • Maternity leave and paternity leaves as per norms. • Personal Loans without any interest. • Staff tour and dinner.

• Two way free
transport. • Personal
Loans without any
interest. • Employee
provident fund. •
Compensation leaves for
the staff members who
work on special
assignments during
holidays. • Vacation
Leave to the faculty
members with eligible
service. • Maternity
leave and paternity

• Annual day Cash award for subject toppers. • Encouragement for Top 25 students with cash awards. • Fee concession and relaxation for meritorious students. • Cash award for students who excel in sports. • Fee reimbursement for students who excel in academics. • Scholarships. • Accidental Insurance.

6.4 – Financial Management and Resource Mobilization

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

yes

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		
Management	73000	Double Distilled Water Production Water Quality Testing		
No file uploaded.				

6.4.3 - Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 - Internal Quality Assurance System

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

Audit Type	Exte	rnal	Inte	rnal
	Yes/No	Agency	Yes/No	Authority

Academic	Yes	ISO-TUV	Yes	KRCE
Administrative	Yes	ISO-TUV	Yes	KRCE

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. Implementation of OBE. 2. Accreditation of NBA Mechanical, ECE, EEE Programmes. 3. Autonomous audit. 4. Development towards ISO-14001:2015. 5. Recognition of college under Section of 2(f) 12(b) of the UGC

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
2018	Seminar on improving hindex	14/05/2018	14/05/2018	14/05/2018	122
2018	Seminar on awareness of OBE	15/06/2018	15/06/2018	15/06/2018	141
No file uploaded.					

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
workshop on MENSURAL HYGIENE FOR RURAL WOMEN	15/12/2018	15/12/2018	48	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

• Saplings Plantation. • Solar panel erection. • Development towards ISO:

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Rest Rooms	Yes	2

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	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	15	Nill	31/08/2 018	1	camp	Blood donation camp	121
2019	8	Nill	04/02/2 019	1	Awareness program	helmet awareness	541

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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	05/04/2018	HR policy manual 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.

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 !!!					
No file uploaded.					

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

SAPLING Plantation: Programmes for SAPLING plantation is done inside/outside the campus to maintain the clean and green campus. Solar Panel: Solar panels have been installed on the roof top of our institution with a capacity of 150KW. Rain Water Harvesting: Rain water harvesting facility is available in the campus. Medicinal plants are planted within the campus

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

 Helmet checking process was done regularly in our college premises for the protection of faculty and student members.
 Kaizen 3. 5S 4. News paper reading 5. 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/IOAC/bestpractice

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

VISION OF KRCE " 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. • 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. • K.Ramakrishnan college of Engineering stood 1st 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. • Secures University Rank Positions in all Departments. During 2018 - 2019 16 Ranks in UG 11 Ranks in PG. 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. • Registered Membership in IEEE (APS ,Women In Engineering, Solid State Circuits), IEI, • IETE ,Societies • Accredited with 'A' Grade by NAAC, ISO 9001: 2015 Certified institution, Preparation towards NBA accreditation proves that KRCE functions towards quality enhancement activities. • 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. • The college offers a wide range of coaching classes for TNPSC, GATE, banking and other competitive examinations, Leadership Training, Soft skill training, Entrepreneurial skill development is carried out to ensure employability. • Team TN 45, a nifty name for a team representing the fascinating district of Tiruchirappalli is the Society of Automotive Engineers (SAE) Collegiate Club of K.Ramakrishnan College of Engineering. Started hardly over a year back, Team TN 45, at present is a nationally acknowledged team in various renowned automotive sporting events. • TQM tools and techniques are implemented.

Provide the weblink of the institution

www.krce.ac.in /IOAC/Institutional distinctiveness

8. Future Plans of Actions for Next Academic Year

• To receive NBA Accreditation. • To receive Autonomous status. • Maximum number of students to be placed in Core Companies. • Training Motivating, Certain group of interested students towards start up's. • Encouraging faculty members to register and complete their doctorate degrees. • To continue research activities through Quality Publications and Research Projects. • To apply for Major Research Projects. • To encourage Students to participate in Maximum numbers in Innovative Idea Competitions.