



YEARLY STATUS REPORT - 2022-2023

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 its own campus?		Yes
• Phone No. of the Principal		9842472577
• Alternate phone No.		04312670699
• Mobile No. (Principal)		9842472577
• Registered e-mail ID (Principal)		principalkrce@gmail.com
• Address		SAMAYAPURAM
• City/Town		TIRUCHIRAPPALLI
• State/UT		TAMILNADU
• Pin Code		621112
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)		09/12/2019
• Type of Institution		Co-education
• Location		Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr.K.PRIYADARSHINI				
• Phone No.					
• Mobile No:	9894758355				
• IQAC e-mail ID	iqac@krce.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.krce.ac.in/files/aqar-2021-2022.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.krce.ac.in/files/race 2022.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.10	2016	29/03/2016	28/03/2021
Cycle 1	A	3.10	2021(EXTENSION BASED ON TRANSITION OF AUTONOMOUS)	29/03/2021	31/12/2025
6.Date of Establishment of IQAC			11/09/2015		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
INSTITUTION (K.RAMAKRISHNAN COLLEGE OF ENGINEERING)	12B	UGC	16/07/2019	NIL
INSTITUTION (K.RAMAKRISHNAN COLLEGE OF ENGINEERING)	2F	UGC	16/07/2019	NIL

8. Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	View File	
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9. No. of IQAC meetings held during the year**8**

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded

10. Did IQAC receive funding from any funding agency to support its activities during the year?**Yes**

<ul style="list-style-type: none"> If yes, mention the amount 	Rs.67,500, from NHRC TO ORGANIZE ONE DAY TRAINING PROGRAMME ON HUMAN RIGHTS
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11. Significant contributions made by IQAC during the current year (maximum five bullets)**NIRF INNOVATION Ranking in the band of 101-150****NBA ACCREDITATION for CSE Department from 2023-2026**

K.Ramakrishnan College of Engineering Secured 31st position in Top 100 T-Schools based on "Employability Index" in India and secured 26th position in Top Private T-Schools as an outcome of Dataquest T-School Employability Index Survey 2023 conducted by DATAQUEST magazine.

K.Ramakrishnan College of Engineering awarded India's Best Engineering Institutes 2023 and has been rated AAA+ based on the survey conducted by CAREERS 360 magazine.

Innovative Teaching tools and E-content Development for all Departments.

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
Preparation and submission of AQAR 2021-2022	Submitted and Report Received
Participation in NIRF	Submission of details to NIRF for 2022-2023
Motivate students to participate in Smart India Hackathon competition	03 Teams selected for Final Presentation
To organize orientation and Induction training program for new Teaching faculty members	Organized 01 programme
Plan to conduct Internal and External Academic and Administrative Audit	Audit process completed as per schedule
Motivate students to participate and excel in extracurricular and cocurricular activities	All students of our institution actively participated and won awards
Faculty members to publish their work in Scopus and SCI journals	Published a count of 200 Journals (Scopus & SCI)
Faculty members to apply for funding - DST, SERB, ICSSR, AICTE,	Applied 7 proposals and received Rs.2,00,000/- from ICSSR, TNSCST)
Faculty members to attend FDP, SEMINAR, WORKSHOP on the latest Technologies and Research topics	Faculty members actively participated .(Details enclosed in Criteria 6)

To collect and analyze feedback from students, and stakeholders Feedback collected and Action t	Feedback collected and Action taken (Details enclosed in Criteria I)
Departments to organize ALUMNI meet	Alumni meet was organized by ECE, CSE & MECHANICAL Departments
Plan to organize National day celebrations, Environmental awareness programmes ,Gender equity programmes,	Events were planned and executed (Details enclosed in Criteria VII)
Various clubs and society to conduct programmes.	Clubs of KRCE actively executed 75 programmes
13.Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
ACADEMIC COUNCIL	28/10/2023
14.Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2023	19/03/2024
15.Multidisciplinary / interdisciplinary	
<ul style="list-style-type: none"> KRCE follows a holistic multidisciplinary curriculum with a vision to equip the students with an overall knowledge on allied fields apart from their core subjects . Humanities, Science and Mathematics are an integral part of the engineering courses in KRCE. For every B.E/B.Tech. Course subjects like Physics, Chemistry, Mathematics, English and Environmental Science,Universal Human Values are taught in their 1st two semesters and open electives are offered. 	

- KRCE organises interdisciplinary workshops, seminars , conferences to share and exchange the ideas and knowledge. LMS (Skill Rack) and students participation in Hacker Rank.

16.Academic bank of credits (ABC):

- *The central govt. has taken steps to initiate NAD and ABC I'd creation based on NAP policy. Based on the communication received through mail from authorities concerned, the college has registered for NAD and ABC I'd creation already.*
 - *We have created 2704 ABC ID's. Still in the process to update grade sheets. Soon, we will able to complete our process with our state co-ordinator guidance.*
1. *The college conducted a camp for Aadhar updation to facilitate the issue of new Aadhar cards. Majority of students have been benefited from this camp. Our next step involves grade sheet updation and allocation. We anticipate that this process will be carried out effectively and promptly.*
 2. *KRCE follows ERP , which is a business process management software that allows to use a system of integrated applications to manage and automate many back office functions related to technology, services and human resources.*
 3. *Student Personal details, Academic details are maintained using CAMU software.*

17.Skill development:

- To enhance the students skill development , Teaching and learning methodologies are followed with Experimental learning, Participative Learning, Problem solving methodologies.
- These methodologies facilitates the skill development with knowledge development.
- Value Added courses, Foreign language courses, Soft skills training ,NPTEL courses and online courses are also offered for our students of KRCE..

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

- KRCE, organizes various programmes towards the integration of Indian Knowledge System.
- KRCE FINE ARTS CLUB conducts regular activities/competitions in diverse forms of culture.(Pongal day celebration, a traditional function of Tamilnadu, Womens day celebration)

- International YOGA day celebration and regular Yoga activities are carried out regularly.
- TAMIL MANDRAM celebrates THANTHAI PERIYAR PIRANDHA NAAL VIZHA.
- An educational trip by the students of KRCE to " KAASI MAHA TAMIL SANGAM" was a platform to understand the INDIA'S CIVILIZATIONAL ASSETS through historic centres of knowledge and culture.
- On behalf of Vivekanandha Illakiya Perravi, students from KRCE participated at VARANASI from 16.11.22 to 21.11.22 and got exposed to the Tamil culture knowledge.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

- Outcome Based Education (OBE) is an important demonstration Tool for student-centered instruction that focuses on measuring student performance through outcomes.
- Quality assurance and improvement process is about determining whether the set educational objectives meet a general standard of quality.
- Emphasis of outcome-based education (OBE) system is on quantifying what the students are capable of doing and learning outcomes of the students is one of the key components.
- Course Outcomes are the statements indicating knowledge and skills , tfrom which the student is expected to acquire at the end of a course.Program outcomes represent the knowledge, skills and attitudes the students should have at the end of program.Program outcomes can be directly measured through course outcomes.
- The outcome-based education model is based on defining various parameters called as Graduates Attributes (PO).Bloom's Taxonomy provides an important framework to not only design curriculum and teaching methodologies but also to design appropriate examination questions belonging to various cognitive levels.
- Before the start of the semester, KRCE organises seminars and practical sessions towards OBE with external and internal experts . OBE awareness is explained to all our students of KRCE .

20.Distance education/online education:

- Employability courses like Japanese course and other foreign language courses are offered by our Institute .
- Students are encouraged to take-up online courses in the NPTEL, SWAYAM and coursera platform .

Extended Profile

1.Programme

1.1 13

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 2607

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 583

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 2607

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 577

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 200

Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	188
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	681
4.2 Total number of Classrooms and Seminar halls	65
4.3 Total number of computers on campus for academic purposes	1236
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	14,84,08,553.00
Part B	
CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<ul style="list-style-type: none"> • K.Ramakrishnan College of Engineering was started with a motto of Empower through Education to provide excellent academic and placement record. • The institution offers 8 UG and 5 PG programmes. • The college has been elevated to the autonomous status from the academic year 2020-2021, and design its own curriculum. • The draft syllabi framed by internal faculty experts, based on the COs, are then reviewed and approved by Boards of Studies and Academic Council. • For the academic year 2022-2023, Autonomous Curriculum is 	

followed as First year (REGULATION 2020A), Second year (REGULATION 2020A), Third year and Final year students. (REGULATION 2020).

- The OBE is achieved through an expert curriculum, co-curricular and extra-curricular activities such as Sports, NSS, Club activities, cultural events etc.
- The Programme outcomes and Course outcomes are mapped in such a way to help the students in getting job opportunities and also to start their own business.
- The OBE is fully focussed on student-centric teaching and learning process by which the course delivery, assessment process are framed to achieve specific objectives and outcomes at different levels like continuous internal Assessment, workshop, seminars, assignments, project work, in-plant training, internship, industrial visit etc.
- The programmes offered by KRCE follow a flow plan for the curricula development and implementation.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	https://www.krce.ac.in/#courses

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

04

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

73

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

73

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

13

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Gender :

1. Students of both genders actively participate in various extracurricular and co-curricular activities.

2. Various programmes offered by the institution are headed by both Men and women faculty.

3. The college organizes programmes on gender sensitivity, women hygiene and counselling session for both male and female students.

Environment Sustainability :

1. The curriculum framed includes Environmental studies course for all the First year students of the college.

2. Courses highlight environmental issues.

3. Exnora club and EVS club conducts awareness programmes and campaigns which gives practical exposure to environmental conservations.

4. Field projects like planting of saplings, waste management are also executed.

Human values and Professional Ethics :

1. The college offers courses incorporating values and professional ethics.

2. The college regularly celebrates birth anniversaries of great personalities, National and State level festivals to boost morality and ethics among staff and students.

3. Important days like National Voters day, National youth day and Engineers day are celebrated.

4. The human values and spirit of the students are executed and observed during the Blood donation camp.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

17

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1065

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1342

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained

A. All 4 of the above

**from 1) Students 2) Teachers 3) Employers
and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION
2.1 - Student Enrollment and Profile
2.1.1 - Enrolment of Students
2.1.1.1 - Number of students admitted (year-wise) during the year

2620

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

681

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Slow Learner and bright students are identified through the following process:

Review of previous semester results.

Observation of students performance in class.

Analysis of the performance in assessment tests.

Action taken to improve the performance of weak students:

- Extra attention in class.
- Adoption classes .
- Special Coaching classes .
- Counselling & Motivation
- Parent-Teacher Meeting
- Motivation for Placement

Action taken to encourage bright students:

- Cash Prizes
- Best Student Award
- Motivation for University Ranks
- Motivation to aspire for Higher Studies
- Motivation for placement in reputed firms

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2023	2607	200

File Description	Documents
Upload any additional information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

To enhance learning experiences, Student-centric learning has been the practice of our college for a long period and this has been reinforced with new ways of experimental, participative and problem solving methodologies.

Experimental Learning: Students are allowed to carry out laboratory experiments in practical classes. Mini projects and Major projects are carried out during third year and Final year. Students are encouraged to do internships in industries. To improve Industry Institute interaction, industrial visits are arranged. To showcase the experimental learning skills miniproject exhibitions are organised. **Participative Learning:** To participate in seminars, Quiz competitions, coding contest, Paper presentation. Student development programs and workshops are conducted. Demonstration of NPTEL video lectures

. **PROBLEM SOLVING:** Motivation and participation in AICTE sponsored Hackathon, Project exhibition to enhance problem solving ability. Patent filing innovation activity. Programmes towards Training and Placement. Brainstorming and Group Discussion.

To enhance learning experiences, Student-centric learning has been the practice of our college for a long period and this has been reinforced with new ways of experimental , participative and problem solving methodologies.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Information and Communication Technologies enabled tools play an active role in the content delivery and learning process. Educational technology is an inclusive term for both the material tools, processes, and the theoretical foundations for supporting learning and teaching. Our institution enhances classroom learning in the utilization of blended, face to face, or online learning. On line classes through MsTEAMS, Google meet, Zoom. Virtual lab to conduct lab experiments. Power point presentation NPTEL Video Lectures and course materials. To improve and expose the talents through online competitions. Internet facility is provided to students for deeper inquiry into their subjects. 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. Common Computing Center in the library is well equipped with internet facility and 24 x 7 Wi-Fi facility. Digital library is provided in central library where students can access all kinds of E-journals. The library provides IP enabled access to a large number of full texts online journal databases from the various publishers. NPTEL VIDEOS, E-BOOKS, DELNET, NDL and other E-learning resources are used regularly by the Staff and students.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://krce.ac.in/files/innovationteaching.pdf
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

146

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	No File Uploaded

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

An academic calendar serves as a planner for a semester that is planned at the beginning of each semester by the concerned in-charge taking in reference of the Anna University academic schedule. The number of working days in the academic calendar is correlated to the regulations (UG/ PG regulations - 2020 Autonomous). The academic calendar is verified with the COE and then approved by the Principal. The approved academic calendar is circulated to each department so this enables them to plan their department events accordingly. It is updated and revised with respect to any changes suggested by the university. The Academic calendar is displayed on notice boards and is communicated to students. All classes, examinations and other related activities are planned in adherence to the academic calendar however it is liable to change in due course because of various unforeseen events. Continuous Internal Evaluation with Academic Calendar 1. Classes and Laboratory time-table 2. Course files and Lecture Plan 3. Continuous Internal Assessment 4. Question Paper Setting 5. Review of Continuous Internal Assessment performance 6. End Semester Examinations (Theory and Practical) 7. Class Committee Meeting 8. Academic Monitoring 9. Staff Seminar and Weekly Attendance Report 10. Amendments

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

200

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

43

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

200

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

50

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

210

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

- The college maintains its own significance in conducting examinations and publishing results.
- IT integration has helped in modernizing the entire examination process and has speeded up its functioning.
- Our institution has installed software called CAMU which helps to maintain the accuracy of evaluation process effectively.

The salient features of CAMU are as follows:

1. It is used to know the whole academic data and profile of the students in a click.
2. Registration preview and the fee details of the students can be taken at anytime with full updation.
3. Hall ticket and dummy numbers can also be generated automatically.
4. The software can generate both internal and external marks on the basis of the given conditions.
5. Students can access the software to know their results and also to apply for the revaluation by using their separate user id and password.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

- "Outcome Based Education" in alignment with National Board of Accreditation (NBA) , along with the 12 Program Outcomes (POs) defined by NBA, .
- Programs Specific Outcomes (PSOs) are framed for each programme.
- The curriculum composition is carefully designed to attain the defined POs and PSOs.
- The CO's are mentioned in the continuous assessment tests question paper along with its knowledge level for each question.
- The dissemination of the same to the stake holders such as Faculty, Students, Alumni, Parents and Employers are done .
- The CO's,PO's are displayed in College Website .
- Course Plan are given to the students at the beginning of each semester indicating POs, PSOs and COs and displayed in the department prominent places like: HOD Room, Class Rooms, Laboratories, Display Boards ,Faculty Cabins, Seminar Halls.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The evaluation process for achieving Course Outcomes takes place in each semester.

1. Assessment tools such as Internal Assessment test 1, 2, 3 and University Exams are appropriately chosen.
2. The relevant information is collected in accordance with Course Outcomes.
3. The collected information is further analyzed.
4. Whether Course Outcomes meet the set level or not is verified and

necessary steps like assignment collection, seminars and guest lectures were conducted .

1. CO Assessment Rubrics

CO Assessment Tools:

Direct Assessment Tools

THEORY: Internal Exams IAT 1 IAT 2 IAT3 University examinations

PRACTICAL: Performance: Model lab exam: University examination:

PROJECT: First Review: Second Review: Third review and

Demonstration: University Viva - Voce: 2. Attainment of Program Outcomes and Program Specific Outcomes

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

572

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://krce.ac.in/agar-2022-2023/CR2/2.7.1/2.7.1%20.2.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

- KRCE is embarked with the vision of being a social partner for the development of our country through its involvement in research, having attributed novel technology in research and development activities.
- The R & D team of K.Ramakrishnan College of Engineering is committed to excellence in the research.
- The dedicated research team adds its strength and spreads its roots over diverse areas like Big Data, Cloud Computing, CAD/CAM, Virtual reality, Information Technology, Knowledge Management, Networking, VLSI and Antenna design, Signal Processing and Artificial Intelligence.
- Having realized demand of research in the emerging fields, these key ultra-tech disciplines are focused to bring out the desired results for the betterment of the society,
- In our institution three departments namely ECE, EEE and MECH have been recognized as Research centers by Anna University, Chennai to do PhD by research.
- The objective of the research work shall be well defined and free from bias in the design of methodology, data analysis and data interpretation.
- In order to detect the plagiarism, our college have unlimited access to "TURNITIN" plagiarism software worth of more than 5.0 lakhs.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.krce.ac.in/rnd.php
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year

(INR in lakhs)**0.615**

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

04

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

6.598

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

06

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

07

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

04

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

- K.Ramakrishnan College of Engineering (Autonomous), Tiruchirappalli, is one of the top pioneer institutes in Tamilnadu, which is located at Samayapuram Tiruchirappalli, on the national highway of Trichy-Chennai trunk road..

- As per the guidance and approval of Ministry of Education and AICTE, New Delhi the Institution Innovation Council (KRCE-IIC) initiated and started eco-system for innovation..
- K.Ramakrishnan College of Engineering has got 4-star ranking consecutively for 2 years in the year 2020 & 2021 and also got ARIIA ranking in the year 2020.
- The institute has initiated more R&D work, startups, Innovation Cell, EDC cell, Incubation Centre etc., with own resources and fundings.
- We have received generous supports from our management for organizing all IIC activities. Through this Moe-IIC the college is improving and developing in the area of Research, Innovations, Startups, pre-incubations, Incubation and Entrepreneurships etc.
- Due to this initiative of eco-system at KRCE the Industry -Institute relationship, Startups, Entrepreneurship, innovation lab establishment is improved.
- All the departments started working on Innovations and IPR.
- The EEE, ECE & MECH has an approved research Centre by Anna University, Chennai.
- The Institute has Pre-Incubation facility for startups and also have incubation setup for converting idea into product development.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://krce.ac.in/rnd.php

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

115

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation A. All of the above

of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

07

File Description	Documents
URL to the research page on HEI website	https://www.krce.ac.in/rnd.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

149

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

76

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

988

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

32

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

0.0625

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0.5

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- Our college organizes a number of extension activities to promote institute-neighborhood community to sensitize the students towards community needs.
- Students of our college actively participate in social service activities leading to their overall development.
- The college has National Service Scheme(NSS) ,Youth Red Cross (YRC) and Red Ribbon Club (RRC). Through these units, the college undertakes various extension activities in the neighbourhood community.

NATIONAL SERVICE SCHEME

The motto Of Our clubs is 'Not Me But You' the essence of democratic living and upholds the need for selfless service and appreciation of another man's point of view and also show consideration for the fellow human being.

YOUTH RED CROSS

The youth Red Cross is one of the avenues available to the students to be pursued under the personality development program. The activities related to YRC include collecting, conducting medical camps to village people, literary campaigns, training on first aid, fire safety and rescue.

RED RIBBON CLUB

RRC Aims at harnessing the potential of the youth by equipping them with correct information on mental health substance ,abuse nutrition and reproductive health and building their capacities as peer educators in spreading messages on the positive health behavior in an enabling environment...

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.krce.ac.in/comm-services.php

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

338

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

13

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**1363**

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work****17**

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)**26**

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

K.RAMAKRISHNAN COLLEGE OF ENGINEERING has SPACIOUS classrooms and seminar halls to accommodate the teaching learning process effectively.

All departments are provided with computers and printers.

The department Classrooms are equipped with computers, LCD projectors, LAN and Wi-Fi connectivity.

Well equipped laboratories in all departments 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 Communicative English language lab is established.

The Training and Placement Cell is responsible for training of students for on-campus and off-campus placements.

Dr.Abdul Kalam Central Library is equipped with its wide range of 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.

The NSS ,YRC and RRC units in KRCE are actively involved in community service.

Common Facilities :

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:

Separate block for Boys and Girls.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Our college management has set up the Department of Physical Education and has provided many facilities for students to take up physical education activities.

The objectives of the Department are

- To create awareness and importance in students community regarding physical education and health and preventive methods, protect themselves in their future not getting attacked by bodily disorders like Diabetes, obesity etc, which leads to other diseases.
- To create awareness about sports activities and make students outstanding athletes by giving coaching in different sports disciplines
- To prepare students to participate in inter-university level
- To motivate and encourage students to take up any one of the game and provide coaching in that particular activity.

The students are participating in various athletic events and games inside and outside the college and are bringing laurels to our college.

Gymnasium:

- We have well equipped power gym and hydraulic gym with latest multiple machines.
- These gyms could accommodate 50 Students per session.
- Each session will be engaged by experienced trainers

.The gym schedule is as follows:

- Morning : 5.00 a.m to 7.00 a.m
- Evening : 4.00 p.m to 7.00 p.m

Sports Complex with following courts::

- Basket Ball Court
- Volley Ball Court
- Tennis Clay Court
- Two Ball Badminton Court
- Table Tennis Court
- Football Ground
- Cricket Ground
- Cricket Net Practice
- Hockey Ground
- Kabadi Court.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities**65**

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)**14,84,08,553**

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- The Central Library is built in an area of 2412 Sq.m.
- The uniqueness of our library is in its expansive study space, Centralized AC, blended with state-of-art facilities.
- The Digital Library service unit provides access to computers with internet facility.
- A separate dedicated leased line has been installed for high-speed internet connectivity.
- The Library has a high density of shelving for printed collections.
- Library has collections of audio-visual material.

We have a membership with DELNET and NDL.

Services and Facilities :

1. CENTRALIZED A/C
2. VIDEO CONFERENCE
3. AUDIO/ VIDEO SECTION
4. DIGITAL LIBRARY
5. CUBICLE SECTION
6. GROUP DISCUSSION
7. PERIODICAL SECTION
8. REFERENCE SECTION
9. STOCK ROOM
9. BACK VOLUME SECTION
10. UNIVERSITY QUESTION BANK
11. IEEE - IEL (ONLINE JOURNAL)
12. DELNET MEMBERSHIP
13. SPRINGER NATURE 1

14. J- GATE SCIENCE AND TECH

15. NATIONAL DIGITAL LIBRARY

16. NPTEL (VIDEO LECTURE)

17. REPROGRAPHY

18. TECHNICAL SECTION

19. OPAC

20. RFID IMPLEMENTATION

21. CCTV SURVEILLANCE

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.krce.ac.in/library.php

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

1919654.00

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

48036

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Computing Center and Networking Facilities: The institution is equipped with 1236 computers with internet facility with the speed of 250 Mbps (BSNL) and 5 servers in the campus.

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 eresources.
- One printer is for taking print outs from the eresources.

EResources :

The library provides IP enabled access to a large number of full texts online journal databases from the various publishers.

COMPUTER SECURITY DETAILS

- We have 1236 no's of computers and 120 no's of wifi access points .

- 500 mbps internet with good firewall security appliance system .
- In our firewall we create rules for users to block sites and usage limits and generate customized reports.
- And also it has latest IPS definitions, antivirus, anti spam protection via WAN to LAN.

Symantec end point protection antivirus software installed on clients machines to find out latest viruses, malware, threats and remove it.

1) Symantec End Point Protection (campus agreement)

2) Microsoft security essentials (included with Microsoft campus agreement)

3) SOPHOS XG450 (SFOS 18.5.2 MR-2-Build380) Firewall

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2607	1236

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above								
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Upload any additional information</td><td>View File</td></tr> <tr> <td>Paste link for additional information</td><td>Nil</td></tr> <tr> <td>List of facilities for e-content development (Data Template)</td><td>View File</td></tr> </tbody> </table>	File Description	Documents	Upload any additional information	View File	Paste link for additional information	Nil	List of facilities for e-content development (Data Template)	View File	
File Description	Documents								
Upload any additional information	View File								
Paste link for additional information	Nil								
List of facilities for e-content development (Data Template)	View File								
4.4 - Maintenance of Campus Infrastructure									
4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)									
5562748									
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Audited statements of accounts</td><td>View File</td></tr> <tr> <td>Upload any additional information</td><td>No File Uploaded</td></tr> </tbody> </table>	File Description	Documents	Audited statements of accounts	View File	Upload any additional information	No File Uploaded			
File Description	Documents								
Audited statements of accounts	View File								
Upload any additional information	No File Uploaded								
4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.									
1.Class room maintenance 2.Laboratory Maintenance. 3..Library Mainteneance 4.Infrastructure Maintenance 5.Computer Maintenance Maintenance procedure for the above mentioned are described and Administrative audit is carried out to verify it.									

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year**

798

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities
Soft Skills
Language and Communication Skills
Life Skills (Yoga, Physical fitness, Health and Hygiene)
Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://www.krce.ac.in/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

513

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

5.2 - Student Progression**5.2.1 - Number of outgoing students who got placement during the year**

513

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

20

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

01

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

09

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

KRCE Student council focuses towards the overall development of students and organizes various academic, extracurricular and cocurricular 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.

Various academic and administrative committees under the Student Council are

1. CLASS COMMITTEE MEMBERS

2. NSS/YRC/RRC

3. EVS CLUB

4. FINE ARTS CLUB

5. SHELLEY CLUB

6. NEWS LETTER

7. ANTI-RAGGING CELL

8. STUDENTS GRIEVANCE REDRESSAL COMMITTEE

9. WOMEN EMPOWERMENT CELL

10. SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) COLLEGIATE CLUB

11.Active registered technical societies like IEEE student chapter, IET 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 has IEEE women in Engineering Affinity Group, IEEE Antenna and Propagation Society, IEEE Power and Energy Society, IEEE Robotics and Automation.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.krce.ac.in/clubs.php

5.3.3 - Number of sports and cultural events / competitions organised by the institution

19

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

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 of President, Vice-President, Secretary, JointSecretary Treasurer and Executive Committee members.

1.Department wise Alumni meetings are conducted and interacted.

2.Maintains records of alumni for the meets that take place.

3.Organizes Alumni interactions.

4.Our alumni are well known entrepreneurs at various top industries and organization.

5.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.

6.Our Alumni support our students towards Placement activities and to carry out Internship.

7.Outstanding alumni are invited for interactive sessions to discuss on the recent developments with the students and staff .

8.These sessions inspire the students and expose them to the opportunities in career as well as employment.

9.Our alumni contribute to the teaching learning processes indirectly by providing a variety of information.

10.Alumni Office Bearers are assigned to carry out regular interaction meetings.

ALUMNI ACTIVITIES::

1.Alumni Talk Series

2.Alumni Meet series.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.krce.ac.in/alumni.php

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

VISION

"To achieve a prominent position among the top technical institutions.

" MISSION

To bestow standard technical education par excellence through state of the art infrastructure, competent faculty and high ethical standards.

To nurture research and entrepreneurial skills among students in cutting edge technologies

To provide Education for developing highquality professionals to transform the society. Nature of Governance:

The Institute follows the guidelines from UGC, AICTE and Anna University and aims for continuous improvement through the implementations of ISO 9001 and IQAC norms and participating in NBA, NAAC, NIRF, ARIIA, etc.

Functions of key Academic positions Board of Trustees:

Approves the directive principles and policies.

Manages, administers and controls the Trust fund and properties and institutions belonging to the Trust under its management. Monitors' rules and regulations for the proper and Efficient administration
Governing Body:

Guides the institution in academics, student and faculty development, and R&D. Helps the institution in its pursuit to become a centre of excellence and establishes continuous improvement.

Planning and monitoring:

IQAC / ISO

Administrative Office

Placement and Training Cell

Various Committee:

- HR,
- Brand
- Infrastructure
- Research & Development
- Career and Guidance
- Student development
- Faculty development

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

- Principal
- Heads of the Department
- Physical Director
- Admission Committee
- Staff Selection Committee
- Local and university Examination Cell
- Research Development cell
- Library committee
- HRD Cell
- Anti-Ragging Committee
- Women Empowerment Cell
- Counselling Cell
- Grievance Redressal Cell
- Discipline Committee
- Time Table Committee
- Alumni Association
- Maintenance Committee
- Department Associations
- Professional Associations
- NSS
- Website Management Committee

1. Administrative Officer is delegated with financial and

nonacademic activities .

2. Overall development is delegated to the Head of the Department.
3. Heads of the Departments delegate various duties to their staff.
4. Examination work is delegated to Exam cell with a faculty member as in- charge.
5. Training & Development Cell and Placement Cell are delegated to the Department faculty members.
6. Co-Curricular & Extra-curricular activities are delegated to Faculty Advisors of Various Clubs.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institutional Strategic/ perspective plan is

1. To broaden the Education area and Research within next 03 years.
2. Introduce new programmes to develop employability and entrepreneurial skills to meet the challenges in the global scenario.
3. To increase the incubation and IPR activities within 03 years.
4. To attain NAAC A++ grade during 2nd Cycle Accreditation
5. To be ranked in NIRF Ranking.
6. To Promote industry-institution collaboration with top MNCs

New Programmes Introduced

1. K.Ramakrishnan College of Engineering follows strategic planning to show excellence in academic performance and to achieve targets in different academic dimensions.

2. Analyzing the emerging technology in the present scenario and future job opportunities new programmes are introduced.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

- Administrative set-up, appointment and service rules, procedures, etc are framed for the various posts assigned.
- . ROLES & RESPONSIBILITIES are available in the HR Policy Document.

1.PRINCIPAL

2. HEAD BRANDING

3. HEAD R&D

4. HEAD EMPLOYEE DEVELOPMENT

5. HEAD STUDENT DEVELOPMENT

6. HEAD TRAINING & PLACEMENT

7.HEAD OF THE DEPARTMENT

8.FACULTY MEMBERS

9.ATTITUDES AND COMMITMENT OF EMPLOYEES

10.CLASS ADVISOR

11.LAB IN-CHARGE

12.LABORATORY INSTRUCTORS AND ASSISTANTS

13.CHIEF LIBRARIAN

14.LIBRARIAN

15.ASSISTANT LIBRARIAN

16.LIBRARY ASSISTANT

17.LIBRARY ATTENDANTS

18.PHYSICAL DIRECTOR

19.MANAGER / ADMINISTRATIVE OFFICER

20.WARDEN

21.DUTIES OF WARDEN BOYS HOSTEL

22.DUTIES OF WARDEN GIRLS HOSTEL

23.WORKSHOP INSTRUCTOR

24.WORKSHOP SKILLED ASSISTANT

25.WORKSHOP ATTENDANT

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.krce.ac.in/igac.php
Upload any additional information	View File
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Teaching Staff members

- Teaching staff members with one year experience and above in KRCE can avail one month salary or Rs 30,000/- as their loan amount whichever is lower.
- The Number of installments is limited up to four months.
- Teaching staff members with more than two years of experience in KRCE can avail two Month's salary or Rs 50,000/- as their loan amount whichever is low .
- The number of Installments is limited up to Six Months.

Non-Teaching Staff Members

- Non-Teaching staff members with experience of one year and above in KRCE can avail 50% of their salary as their loan amount.
- The Number of installments is limited up to two months.
- Non-Teaching staff members with more than two years of experience in KRCE can avail one month salary as their loan amount.
- The number of Installments is limited up to four Months.
- Teaching members can avail a new loan after a period of three months from the repayment of the existing loan.
- Provident Fund, Health Insurance Higher education to the Employee Staff tour and dinner Financial Support for research(Journal publication)

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.krce.ac.in/files/hr-policy.pdf

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

62

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

07

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

91

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

K.Ramakrishnan college of Engineering conducts internal and external Financial audit by the audit committee .

The budget takes into consideration the following.:

- Maintenance and Construction of buildings,
- Campus development.

1.Salary for teaching, non-teaching, and contingency staff.

2. Research and Development activities.

3.Sponsoring faculty members for seminars, workshops,

4.Purchase of books and subscriptions of journals in the library.

5.Payment of internet, electricity and telephone bills.

6.Purchase of equipment and software.

7.Conducting various college functions , every academic year, it is mandatory that all the branches of Engineering prepare recurring and nonrecurring expenditure statements.

- The college inhouse Finance committee examines the budget proposal, expenditure statements, monitoring and equipment purchases.
- The committee reviews the utilization of funds allocated to the departments against the proposed budgets for the financial year.
- Tally ERP software is used for the accounts related functions .

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.krce.ac.in/#audited-statements.php

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Sources of funds are as follows:

1.Tuition Fees

2.Hostel Fees

3.Bus Fees

4.Mess Fees

5.Grants Received from Government and Non-Government Organisations

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.krce.ac.in/

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during

the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Internal Quality Assurance Cell of K.Ramakrishnan College of Engineering takes steps towards

1. Preparation of Academic calendar Plan and execution towards it.
2. Continuous growth of the Academic and Administrative activities performance of the institution.
3. Coordinating quality related activities pertaining to parameters of criteria 1 to criteria 7.
4. Conduction of inter and intra institutional workshops ,Seminars, FDP's
5. Documentation of programs and activities organized through department coordinators.
6. Development of quality culture in the institution.
7. IQAC committee members meets regularly once in every two months to review about the activities related to quality as envisaged by NAAC.
8. ICT Tools usage-
 - Improvement in Teaching Learning Process.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.krce.ac.in/iqac.php

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

1.Teaching Learning Process.

2.Academic Calendar

3.Teaching Plan, Regular Monitoring , and Conduction of Class Committee Meeting.

4. Conduction of Continous Internal Assessments and Review analysis.**5. Collection of Feedback, Analysis and Action Taken.****6. CO , PO Attainment.**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://krce.ac.in/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

K.RAMAKRISHNAN COLLEGE OF ENGINEERING takes various measures for the promotion of gender equity which regularly shows gender sensitivity through various initiatives and actions for creating safe, Secure and healthy atmosphere in the campus.

KRCE without any gender discrimination provides equal opportunities to all the students, faculty and staff .

The Women Empowerment Cell (WEC) in KRCE conducts various activities like celebration of Womens Day, Breast Cancer Awareness programmes .Sensitization of the students is done through special lectures and functions.

Counselling session is arranged for boys students and Girl students separately. Specific initiatives with respect to key areas such as

1. Safety and security

2.CCTV Camera

3.Visitor Register

4.Restricted Entry are carried out.

FACILITIES:

- 24/7 Internet Access with Wi-Fi connection.
- Students IN and OUT attendance is monitored using Biometric device.
- Attached mess with quality and nutritious vegetarian and nonvegetarian food.
- TV facility in dining hall. Recreation room with projector and screen for movie times.
- Uninterrupted power supply, separate Generator facility available.
- Indoor and Outdoor Games facility. Security services for round the clock.
- Each room has well maintained toilets and bathrooms.
- Transport and medical facility during emergency.
- Separate store for stationery and snacks items.
- Separate night canteen facility.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy

A. Any 4 or All of the above

conservation: Solar energy Biogas plant
Wheeling to the Grid Sensor-based energy
conservation Use of LED bulbs/ power-
efficient equipment

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

- K.RAMAKRISHNAN COLLEGE OF ENGINEERING practices shows that waste management is a mandatory to be carried out , as increase in waste generation leads to various problems like disposal, method of disposal, place of disposal. Improper disposal leads to pollution and various kinds of diseases.Henceforth in Swachhta Action Plan,waste management plays a vital role.
- The facilities for the degradable and non-degradable waste are as follows:
- Campus/Department wise waste audit
- Campus/Department wise waste segregation
- Recycling waste (paper, organic waste from canteens and kitchens)
- Setup compost pit for recycling waste. Ensure zero littering
- use of email, Whatsapp for communication.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

" Unnat Bharat Abhiyan" is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India.

K.RAMAKRISHNAN COLLEGE OF ENGINEERING has adopted villages for the transformational change.

Regular Safety Awareness , Life safety Awareness programmes are organised through NSS,YRC,RRC.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

K.RAMAKRISHNAN COLLEGE OF ENGINEERING focusses on the sensitization of students and employees to constitutional obligations.

Various activities such as

1. Awareness Programmes on Responsibilities of citizens.

2. National Day Celebrations

3. Women Empowerment programmes

4. Gender Equity Programmes

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

- K.RAMAKRISHNAN COLLEGE OF ENGINEERING celebrates national and religious festivals , various events to promote community, cultural harmony, effective socialization and national integration.
- These festivals are celebrated to create the bond of humanity among students.National festivals like Independence Day and Republic Day are celebrated with ceremonial flag hoisting and parade by the students of KRCE.
- The traditional festival Pongal is celebrated every year during January.The students and The faculty members follow the celebration method in a traditional tamil culture.
- Birthday of Bharat Ratna Dr. A.P.J. Abdul Kalam, is celebrated .
- Teachers' Day, International Human Rights day are celebrated focusing on the importance of preserving human rights.
- The other events include Communal Harmony Campaign Week, AIDS Awareness Day, Green Consumers Day and National Integration Day,International Women's day, International Yoga Day,Voters day .

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

BEST PRACTICE I:https://krce.ac.in/aqar-2022-2023/general_files/BEST%20PRACTICE%2022-23/1.pdf

BEST PRACTICE II:https://krce.ac.in/aqar-2022-2023/general_files/BEST%20PRACTICE%2022-23/2.pdf

BEST PRACTICE III:https://krce.ac.in/aqar-2022-2023/general_files/BEST%20PRACTICE%2022-23/3.pdf

BEST PRACTICE IV:https://krce.ac.in/aqar-2022-2023/general_files/BEST%20PRACTICE%2022-23/4.pdf

BEST PRACTICE V:https://krce.ac.in/aqar-2022-2023/general_files/BEST%20PRACTICE%2022-23/5.pdf

BEST PRACTICE VI:https://krce.ac.in/aqar-2022-2023/general_files/BEST%20PRACTICE%2022-23/6.pdf

File Description	Documents
Best practices in the Institutional website	https://krce.ac.in/aqar-2022-2023/general_files/BEST%20PRACTICE%2022-23/1.pdf
Any other relevant information	https://krce.ac.in/aqar-2022-2023/general_files/BEST PRACTICE 22-23/2.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

1.ACADEMIC ACHIEVEMENTS

2.PLACEMENT ACHIEVEMENTS

3.SPORTS ACHIEVEMENTS

4.STUDENTS ACHIEVEMENTS IN SAE CLUB

5.FACULTY ACHIEVEMENTS

6.RESEARCH AND PUBLICATION ACHIEVEMENTS

File Description	Documents
Appropriate link in the institutional website	https://www.krce.ac.in/
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

1. To get position in NIRF RANKING.
2. To get Research centre for CSE DEPARTMENT.
- 3.To increase the intake from 60 to 120 in IT Department.
- 4.To arrange International Conference.