



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	Royal College of Engineering & Technology
• Name of the Head of the institution	Dr. Devi V
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04885289009
• Mobile no	8714549416
• Registered e-mail	principal@royalcet.ac.in
• Alternate e-mail	devi@royalcet.ac.in
• Address	Royal College of Engineering & Technology, P.O Chiramanangad, Akkikavu
• City/Town	Thrissur
• State/UT	Kerala
• Pin Code	680604
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>APJ Abdul Kalam Technological University</b>				
• Name of the IQAC Coordinator	<b>Dr N Muthukumar</b>				
• Phone No.	<b>8903214788</b>				
• Alternate phone No.	<b>04885289009</b>				
• Mobile	<b>8903214788</b>				
• IQAC e-mail address	<b>iqac_coordinator@royalcet.ac.in</b>				
• Alternate Email address	<b>iqac_director@royalcet.ac.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://royalcet.ac.in/wp-content/uploads/2022/04/NAAC-SSR-RCET.pdf">https://royalcet.ac.in/wp-content/uploads/2022/04/NAAC-SSR-RCET.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://royalcet.ac.in/wp-content/uploads/2023/04/ilovepdf_merged-3.pdf">https://royalcet.ac.in/wp-content/uploads/2023/04/ilovepdf_merged-3.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B</b>	<b>2.45</b>	<b>2021</b>	<b>15/02/2021</b>	<b>15/02/2026</b>
<b>6.Date of Establishment of IQAC</b>			<b>22/08/2019</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
<b>Mr. Geno John K</b>	<b>SPICES</b>	<b>AICTE</b>	<b>2020, 1 Year</b>	<b>Rs1,00,000</b>	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>		

<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>
<b>9.No. of IQAC meetings held during the year</b>	<b>16</b>
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
IQAC promotes quality initiatives in academic holistic development of students with proper bench marking like OBE implementation NBA SAR preparation started.Coordinated NAAC accreditation,SSR preparation,Peer team visit and got accredited	
5 New MOU's signed with industries .	
Formed Universal Human Value(UHV) cell for faculty and staff and promoting participation in FDP's refressior courses and weekly meetings .	
Initiated NDLI and QUESTA Club,Arts and Crafts Club.	
Online teaching more innovations on teaching learning pattern flipped(viva sessions immedeatly after series examination,based on vedio lectures)and promoted research and innovations.	
<b>12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>	
Plan of Action	Achievements/Outcomes
UHV cell formation	Conducted UHV SIP to students by trained faculties(external as well as internal) who attended

	UHV induction sessions by AICTE.
Internal Academic Audit	In order to help in documentation and quality improvement process conducted Internal Academic audit in two stages incorporating suggestions on OBE by KTU and NAAC
Art and Craft Club	Acted as a platform to encourage the creativity of students by conducting programmes on arts and craft activities.
NIRF	Applied NIRF in the year 2020 -21
NEP 2020	Seminars being conducted for both students and faculties for creating awareness.on national education policy implementation and promoted NIRF 360 degree feed back light program -
Induction Program	Conducted Induction program for faculties and students .Conducted AICTE SIP in online and Genesis in offline.Conducted Induction program for students and staffs named Royal quality enrichment drive ..awareness on outcome based education.
National Conference	Two national conferences organized with the support of management and presented papers were published in journals.(NCET 2020,NCET 2021).
Collaborative Programs	NSS,SSSDF, social activities risk management awareness on commorative days traffic awarenese
Innovation and Research	IEDC- Entreprenarial awareness virtual lab promotions
<b>13.Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>

- Name of the statutory body

Name	Date of meeting(s)
Academic Council	02/03/2022

**14. Whether institutional data submitted to AISHE**

Year	Date of Submission
2022	04/03/2020

**15. Multidisciplinary / interdisciplinary****16. Academic bank of credits (ABC):****17. Skill development:****18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)****19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):****20. Distance education/online education:****Extended Profile****1. Programme**1.1 271

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**2.Student**2.1 **641**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2 **41**

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 **167**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**3.Academic**3.1 **82**

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 **71**

Number of sanctioned posts during the year

## Extended Profile

### 1.Programme

1.1	<b>271</b>
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 2.Student

2.1	<b>641</b>
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2	<b>41</b>
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	<b>167</b>
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 3.Academic

3.1	<b>82</b>
Number of full time teachers during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

3.2	71
Number of sanctioned posts during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

<b>4.Institution</b>	
4.1	43
Total number of Classrooms and Seminar halls	
4.2	93.2 Lakhs
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	554
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

RCET set a strong vision of growing as a perpetual centre of excellence in the field of higher technical education in tune with changing global scenario. The pandemic made us aware about the proper usage of digital facilities and internet for updating the knowledge in the field of engineering time to time.

RCET is affiliated to APJ Abdul Kalam Technological University (KTU) the curriculum content of the course is finalized by the university. Course plan, Advisory and class committee, group tutors and mentor system, examination pattern, of examination, arranging industry visits and internships, coordinating and signing MoU with industries, webinars and seminars by experts, projects, assignments, technical work shops, Research promotions and innovations are some of the strategies in the course of curriculum implementation. RCET has an Academic Management System for documentation of academic activities.



The system is devised with accessibility to all stakeholders. The academic council of RCET together with enables result analysis and comparison with peer institutions. IQAC sensitizes the management, administration and teachers about the requirement of focused attention and improvement in weak areas. The college utilizes suggestions and comments by national and state level assessment agencies, social media, public and opinions of prominent personalities, for development.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://royalcet.linways.com/staff/">https://royalcet.linways.com/staff/</a>

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Before the beginning of every semester KTU announces detailed academic calendar and plan for teaching learning process is organized by the IQAC with the college academic council by publishing internal academic calendar. The student evaluation of teachers is a regular feature, done online, through AMS. In addition to direct feedback within class hours. Internal examinations are conducted as per academic calendar for all semesters. Two sets of Question paper for each subject with OBE recommendations are collected one week prior to the commencement of the examination, scrutinized by HOD and the same shall be forwarded to the internal examination cell. After the publication of the results of all series examinations, subjectwise weak students are identified with the help of mentors ,subject handling faculty members and appropriate remedial measures are initiated. Tutorials ,assignments ,seminar Presentations and evaluation of designs/ mini projects are scheduled as per the academic calendar.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://royalcet.ac.in/wp-content/uploads/2023/04/ilovepdf_merged-3.pdf">https://royalcet.ac.in/wp-content/uploads/2023/04/ilovepdf_merged-3.pdf</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum**

**C. Any 2 of the above**

**development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented**

**1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented**

6

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**1.2.2 - Number of Add on /Certificate programs offered during the year**

**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**

1

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

29

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

#### 1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

RCET follows mixed class rooms without any discrimination. Subjects introduced by AICTE and in the curriculum by the university, related to professional ethics, environment , sustainability life skills and Universal Human Values are taught with due importance.

Anti Ragging Committee, Internal Complaint committee(ICC), Students Grievance Redressed Cell and Disciplinary action committee take care of gender issues if any. Women's Club and Student Social Skill Development Forum(SSSDF) works against any possible discrimination against women.

Innovations and Entrepreneurship development cell inculcates innovation ideas and entrepreneurial skills..Training and Placement cell provides equal importance to boy and girl students while giving placement training. the placement data reveals that girls have a record of around 40 % .

The skill development activities by departments together with various clubs and professional bodies are boon for the faculty and students to update themselves on the latest developments in

technology and social skills.

RCET students are capable of providing selfless service during pandemic situations like flood and Covid. NSS volunteers of RCET is initiating many social welfare works for the society. Institute has groomed a good alumni association, Environmental forum which is taking care of Medicinal plant garden and green and healthy environment of the institution.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

13

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View File</a>
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

576

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>
<b>1.4 - Feedback System</b>	
<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>A. All of the above</b>
File Description	Documents
URL for stakeholder feedback report	<a href="http://royalcet.ac.in/feedback-and-surveys/">http://royalcet.ac.in/feedback-and-surveys/</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="http://royalcet.ac.in/feedback-and-surveys/">http://royalcet.ac.in/feedback-and-surveys/</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	

641

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

93

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution assesses the learning levels of students immediately after admission and organizes special programs for advanced learners and slow learners. The teachers are taking special initiative to assess the level of pre-admission learning standards of the students by conducting tests. The college recognizes and promotes the skill and knowledge of the advanced learner by allowing him/her to do research projects, promote them to attend national/ international level conferences and seminars, and. Institute is also taking initiative to develop the managerial and entrepreneurial skills of advanced learners. The central library at RCET has a collection of books to help them prepare for competitive examination Viz, GATE, Civil Service, etc. For slow learners' remedial classes are designed to bridge the gap between what a student knows and what he/she is expected to know. Along with improving results, it also aims to improve their knowledge, academic skills, and attitude in all courses, especially analytical subjects. Also, to bridge the knowledge gap of the enrolled students and to enable them to cope with the program they are allowed to choose electives out of 5 to 6 options offered by the university.

File Description	Documents
Paste link for additional information	<a href="http://royalcet.ac.in/r-reap/">http://royalcet.ac.in/r-reap/</a>
Upload any additional information	<a href="#">View File</a>

### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
641	82

File Description	Documents
Any additional information	<a href="#">View File</a>

### 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

ICT enabled teaching and advanced technology is being continued in classrooms during offline teaching helped faculty members to handle the prescribed syllabus during online mode. digital writers, power point presentations of the related topics , virtual Labs and various online interactive platforms are being used for teaching learning and evaluation process.

Electronic resource packages like National Programs on Technology Enhanced Learning (NPTEL), access through NDLI, e-books and other e-materials available through eminent institutions are also made use of. All the departments conduct webinars, online workshops, and guest lectures on the new developments in the core subjects for effective teaching and learning. Faculty members are encouraged to attend ATAL training programs, AICTE sponsored courses , FDPs and conferences to impart awareness among students on latest developments.. IEDC-RCET and SSSDF of RCET also supports the students by providing funds for their project development. students are encouraged to take up Innovative projects, Idea presentations , Hackathone and Incubation awareness programs organized by other institutions . RCET also supports the students by providing financial support to complete their projects. RCET even in online mode was keen to observe that students are getting the feel of participative learning through flipped mode of teaching.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://royalcet.ac.in/ndli/">http://royalcet.ac.in/ndli/</a>

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

RCET is provides facilities to its faculty members to use ICT-enabled methods for teaching and learning. The management and Principal always support teachers with many services for efficient teaching. Not only mastering ICT skills but also utilizing ICT to improve teaching and learning is of importance for teachers in performing their role of creators of pedagogical environments. During online mode through the increased support of ICT it was possible to make teaching learning process as efficient as offline. RCET is making use of the rich and exciting opportunities offered by the new technologies in education to reach our new goal and vision. To appreciate the integration of ICT in teaching and learning, RCET brought about paradigm shifts in education in recent years. Through the application of ICT, one can reduce the impact of space, time, and distance. SDPK is a unique initiative of the Department of Electronics & Information Technology, and the vision of SDPK is to impart industry-relevant employability skills to engineering, polytechnic, and graduate students across the State. RCET initiated tie up with NIT Suratkal on Virtual Lab and faculty and staff were provided online Hands on Workshops by experts.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

**2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )**

**2.3.3.1 - Number of mentors**

45



File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

82

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

#### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

8

File Description	Documents
Any additional information	<a href="#">View File</a>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

#### 2.4.3.1 - Total experience of full-time teachers

427

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

RCET strictly adheres to the KTU schedule and pattern for internal assessment. The course and learning effectiveness of each student is assessed through tutorials, class tests, assignments and series tests on an ongoing basis in the formative assessment process. Internal examinations are conducted strictly as per the schedule and frequency prescribed by the university. All important dates related to examination, submission of assignments and publication of marks are included in the college academic calendar.

The question papers prepared by faculty for series examination are evaluated by the scrutiny committee to ensure content, coverage and difficulty level. Evaluation pattern/ scheme of valuation is explained to the students and the evaluated answer papers are distributed by the respective subject teachers. After finalizing, internal marks are published in the student notice board, if any disputes arise regarding the internal marks awarded it is explained and sorted out at the earliest through the platforms of the institution. The marks scored by the student at the end of the semester are uploaded to AMS and KTU mark entry portal. Based on this, the university ascertains eligibility of each student to appear for the final examination by obtaining the minimum score stipulated for sessional.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://royalcet.linways.com/student/">https://royalcet.linways.com/student/</a>

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

In RCET Irregularities in college level examinations, marks, deficiency in teaching pattern or allocated time, complaints about series test question papers etc are addressed at the college, by grievances redressal cell. The cell is framed with proper guidelines anticipating various grievances/ complaints.

A candidate who wants revaluation or clarification on his scores can approach the concerned faculty first. A faculty will be there as mentor for the students to whom he can share his grievance and the faculty will counsel the candidate. If not satisfied, the student can file the complaint to the grievance cell. Such complaints will be disposed within maximum of two days. Students can also represent their grievances in class committee, HOD / Principal/ Manager directly or through proper channel. It is actually 3 Tier systems with course faculty, Mentors and HOD, college level grievances redressal cell.

Issues connected to university examinations are addressed at the university level, based on complaints received. It will be forwarded through proper channel with comments / recommendations to the higher authorities depending on the nature and circumstances. For all these procedures counseling by the faculty/ department is only advisory in nature and it is not binding on the candidates discretion

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://royalcet.ac.in/students-welfaregrievances-and-appeals-committee/">http://royalcet.ac.in/students-welfaregrievances-and-appeals-committee/</a>

## 2.6 - Student Performance and Learning Outcomes

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

PEOs are statements based on the Vision and Mission of the departments that describe the career and professional accomplishments, the students has to achieve during the course period so that immediately after the course, student will be ready for industries/organizations. The PSOs are formulated to meet the objectives of each programme and are specific in the capability of the student. POs, represents the knowledge, skills and attitudes the students should have at the end of engineering program. COs are the briefing of knowledge and skills the student should

acquire at the end of each course. The COs of all subjects evaluated by the department work as essential tool for the assessment of the POs. It is essential that the main stake holders, i.e., students be made aware of the impact of the COs. For this COs are readout in the class before the commencement of each semester and is published / displayed in the class notice boards, laboratories and walls.

The performance of the teachers is analyzed after calculating attainment of COs, POs and PSOs on the basis of weightage of COs. Based on this future plan for continuous improvement is also planned by each department.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="http://royalcet.ac.in/wp-content/uploads/2022/02/Course-Outcomes-20-21.pdf">http://royalcet.ac.in/wp-content/uploads/2022/02/Course-Outcomes-20-21.pdf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

At the beginning of each semester COs are prepared for each subject, laboratory, seminar and project by the faculty. Course Outcomes (COs) are mapped with 12 POs and CO- PO attainment is calculated. RCET has developed its own attainment format based on KTU instruction manual. Evaluation of POs and PSOs are based on the direct and indirect assessment tools. The direct attainment calculation of POs and PSOs are based on the CO attainment, obtained from university examination and internal assessment. The final PO and PSO attainments are obtained by giving a weightage of 20% to attainment obtained through university examination and 80% to attainment through internal assessment. Indirect attainment level of PO and PSO are determined based on the exit survey, alumni survey, and through PTA interactions. In each survey, the respondent can give a score to each PO and PSO on a scale of 3. The average of all scores provides the indirect attainment. The calculation of final attainment is by having a weight age factor to the direct and indirect assessment. A weightage of 30% indirect assessment and 70% for direct assessment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="#">Nil</a>

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

143

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="http://royalcet.ac.in/wp-content/uploads/2022/02/6.3.4-Annual-Report.pdf">http://royalcet.ac.in/wp-content/uploads/2022/02/6.3.4-Annual-Report.pdf</a>

### 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://royalcet.ac.in/wp-content/uploads/2023/04/2020-21.pdf>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

##### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

1

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

#### 3.1.2.1 - Number of teachers recognized as research guides

1

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

### 3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	<a href="#">Nil</a>

## 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

RCET has an IEDC unit which has successfully created an innovative eco system right from inspiring students for out of the box

thinking ,developing new ideas, transforming those into innovative products capable of bringing about perceptible changes in industry or society . IEDC is trying to extend for raising capital , provision for infrastructure and creating platform for selling the products or services. Opportunities are given to students to attend programmes like IEDC Summit, Industrial exhibitions , webinars on emerging topics etc. IEDC RCET groom the students to be technically oriented, innovative and lifelong learners with the aim of transferring knowledge not only during the course period but through life, making them effective in their areas of working . To bring out the innovative ideas from engineering students, Hackathon, Idea pitch, work shop on Digital Marketing and awareness programs on entrepreneurship were organized. IEDC encourages enterprise among budding technopreneurs which resulted in a Strat up initiative(Volkkommen Industries) in RCET campus thereby creating more employment opportunities. This is encouraging the Junior students to create an entrepreneurship favor in the academic fraternity. RCET is maintaining ecosystem for innovation with support from Kerala Start UP mission and interaction with other Incubation centers.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://iedc.royalcet.ac.in/">http://iedc.royalcet.ac.in/</a>

### 3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

#### 3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

6

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.3 - Research Publications and Awards

<b>3.3.1 - Number of Ph.Ds registered per eligible teacher during the year</b>	
<b>3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year</b>	
<b>12</b>	
File Description	Documents
URL to the research page on HEI website	<a href="#">Nil</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
<b>3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year</b>	
<b>3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year</b>	
<b>30</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>
<b>3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year</b>	
<b>3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year</b>	
<b>14</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>
<b>3.4 - Extension Activities</b>	



3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The students involving in various extension activities come to witness the hard realities of life. This gives them opportunity for experiential learning. RCET student are not just spectators but are actively involved in the interventions for social change applying their domain knowledge appropriately. The association of students with NSS, SSSDF gave them enough opportunities to make them adaptive to challenging situations in life. The extension activities helps the students by strengthening the knowledge level, practical exposure, soft skills, aptitude and attitude, social commitment and inculcation of social and moral values that promote good citizenship. They develop empathy, life skills and imbibe social values during the process. The core values promoted by the institution such as Ethical practices, gender equity, human values, national integration, awareness on environment and sustainability are acquired. RCET has always been working in cooperation with local authority, government agencies and public utility services etc. RCET conducted various programmes under NSS Like Food Distribution, Blood Donation Camp, Sanitizer Production And Adopting Near By Panchayath canal for renovation activities

File Description	Documents
Paste link for additional information	<a href="http://royalcet.ac.in/nss/">http://royalcet.ac.in/nss/</a>
Upload any additional information	<a href="#">View File</a>

**3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

4

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

41

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

41

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.5 - Collaboration**

**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

1

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

### 3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

#### 3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

6

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## 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 equipment etc.

RCET is spread over three blocks, academic block, electrical engineering block and mechanical engineering block. College is having well equipped central library, administration block, canteen, hostel for girls and boys, sports, transportation, internet, gym, refreshment facilities, room for worshipping, department store, well planned maintenance system, excellent e-governance, sick room, dining hall for staff members, and auditorium. In addition all departments are having their own laboratories, department library, project lab, tutorial rooms and conference halls. RCET is possessing infrastructure for placement, IT division, UHV cell ,statutory bodies, R&D cell, IEDC, NSS, various clubs and technical societies. Centralized workshop

facility for all B.Tech first year students are available. RCET possesses common computing facilities, scanning machines, printers and fax facilities. RCET has 11kV substation and has 180 KVA Diesel generator set for campus load, 50 KVA and 15 KVA DG. RCET possess ICT enabled smart classes. RCET is having three bore wells, one for boys hostel, second one for college and ladies hostel and third for gardening and landscaped area. RCET initiated energy conservation, water harvesting and waste management programs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">Nil</a>

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

Royal College of Engineering and Technology (RCET) has the best facilities for nurturing sports, games (indoor/outdoor), gymnasium, yoga and cultural activities. RCET has got Sports and Physical Education department and a sports club for improving skills of students in sports and games. There is a fully fledged gymnasium working well in the campus. Interdepartmental tournaments and annual meets are organized to enhance competitive spirit, interaction with fellow, junior and senior students and teachers for developing friendship, team spirit and leadership qualities. RCET joined with AICTE Fit India Challenge and got recognized.

The tournaments like zone and interzone, like Football, Volleyball, Cricket, Basketball and Badminton are being planned through the Department of Physical Education of RCET .

RCET also promotes cultural activities through its cultural fest named as "DHANAK" in every year with various conventional and modern types of arts form. During lock down Students got opportunity to showcase their talents through e-arts(virtual arts festival).RCET also celebrates festivals and commemorative days like Kerala piravi, Onam, Christmas, independence day , and other national festivals. RCET ensures holistic development of students through various clubs like Art and Craft Club, Music Club, Film and Photographic Club and Questa Club. RCET follows AICTE guideline to be "Fitter, Healthier, Happier-Together"

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">Nil</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

20

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="#">Nil</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

93.26539

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

Royal central library spread over 4966 sq.ft, with more than 27,800 text books includes both foreign and local authors. RCET is

a member of national digital library of India. Library materials include National and International journals, 859 e - journals, More than 125 back volumes of reputed journals including IEEE Journals and Transactions, reference books, Technical Magazines with back Volumes, Newspapers and University old question papers are available in the Library. RCET is having its own technical magazine 'TECHCHRONICLE' through which RCET shares technical contributions by staff and students. For convenient reference of Faculty and Staff, more than 3000 books have been issued to Department Library.

To improve students' knowledge we are keeping different types of books like GATE coaching books, General Books, Personality development , Communication skills and quantitative books. Books are fully classified as per Dewey decimal classification scheme for easy access. The library is fully automated using LIBSOFT software. OPAC (Online Public Access Catalog) helps in searching availability of books and details of transactions of students in library. 10 Systems are using for searching E Journals and 100 seats are arranged for reading in Library. Browsing , printing and Photocopying facilities, are provided in the library.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="http://royalcet.ac.in/central-library-2/">http://royalcet.ac.in/central-library-2/</a>

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

1.5

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

**4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)****4.2.4.1 - Number of teachers and students using library per day over last one year**

28

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>

**4.3 - IT Infrastructure****4.3.1 - Institution frequently updates its IT facilities including Wi-Fi**

In order to have online accesses to reputed institutions RCET made tie-up with IIT Bombay center, Kerala IT Mission and ICT academy. The students and staff are having facilities of Wi- Fi, internet, e-library, Edu-Home for hostels etc.

RCET is having SDPK lab with 56 PCs ,1 smart LED TV with audio system, 1 UPS, 50 Mbps OFC provided by Kerala Vision network, IIT Remote center with 60 PCs,1 projector with audio system, 1 UPS and 40Mbps OFC provided by BSNL under NME scheme, Net connectivity, Internet lab which is equipped with 60 PCs,1UPS and 40 Mbps OFC provided by BSNL under NME scheme connectivity, Advanced programming lab with 65 PCS,1 Ups and 40 Mbps OFC connectivity and a Project lab with 40 systems.

The college is equipped with 40 Mbps OFC leased line provided by BSNL under NME scheme connectivity, 40 Mbps OFC provided by Kerala

Vision network and Wi-Fi internet connectivity. RCET provides ICT in teaching learning process through AMS and FMS system

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://royalcet.ac.in/sdpk/">http://royalcet.ac.in/sdpk/</a>

#### 4.3.2 - Number of Computers

554

File Description	Documents
Upload any additional information	<a href="#">View File</a>
List of Computers	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution

B. 30 - 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

##### 4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

70.23



File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The college campus is set up in a wonderful landscape of around 35 acres with calm and healthy atmosphere conducive for learning and teaching. Permanent arrangements are made for maintenance, watering and maturing of lawns gardens, and the landscape of the institute. It is the policy of RCET to upkeep and maintains the campus with excellent ambience and rich greenery. The maintenance section of the college takes care of repairs and maintenance of buildings furniture and fittings.

The college has an 11KV substation and there are three generator sets of 180, 50 and 15 kVA. The Electrical Technicians attend routine maintenance and check-up. Maintenance team under site supervisor undertake day to day repairs and maintenance of buildings, campus roads and peripherals. There is rainwater harvesting system and biogas plant. The bio waste of canteen and hostels are fed into the biomass gas plant and is used for cooking in the canteen.

RCET is a plastic free campus and is having incinerator for solid waste combustion. RCET provides Library facilities for staff and students. Staff and Students have option to avail hostel accommodation. RCET is setting up a medicinal plant garden and various environmental sustainability measures.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://naac.royalcet.ac.in/document/Hand%20Book%2020-21.pdf">http://naac.royalcet.ac.in/document/Hand%20Book%2020-21.pdf</a>

<b>STUDENT SUPPORT AND PROGRESSION</b>	
<b>5.1 - Student Support</b>	
<b>5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
<b>5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
119	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>
<b>5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year</b>	
<b>5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year</b>	
24	
File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>A. All of the above</b>

File Description	Documents
Link to Institutional website	<a href="http://www.royalcet.ac.in">www.royalcet.ac.in</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

6

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

6

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)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

3

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

8

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

### 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

1

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

##### 5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

2

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

Out of the total number of people in the institution, students constitute 90-95% , the remaining being teaching, administrative and supportive staff. For the same reason, active involvement of

students and driving them to be passionate about Vision and Mission of the college is very crucial for successful performance of the institution. At RCET, the student's have due representation in various committees, council, associations and other bodies. Regulating and streamlining administration, curricular ,co-curricular and extracurricular activities. The committees are formed for each activity with student representation .RCET students involve in various clubs like energy club, sports club, women's club, film and photography club, Music club, Questa club, NDLI club, SSSDF, NSS, IEDC ,Department associations and Technical societies. They are also getting opportunities to involve in Students Grievance Redressal Cell, Antiragging committee and Internal Complaints committee, Placement and Training Cell.

The college union elected in a democratic way sphere heads many of the co curricular and extracurricular activities like Tech fests, conferences, workshops, hands on trainings, Arts festival ,sports activities ,social outreach programmes, industry interaction ,etc. For all these activities the student coordinators chalk out the programme, presents before staff coordinator, HOD, Principal and finalizes after incorporating their suggestions.

File Description	Documents
Paste link for additional information	<a href="#">Nil</a>
Upload any additional information	<a href="#">View File</a>

### **5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**

#### **5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

5

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

## 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The main intention behind RCET Alumni is to provide valuable services to the member who ultimately helps to enhance the glory of the institution. It helps to provide a platform which enables to establish a link between the alumnus, management, faculty and students. RCET Alumni Association is formed in 2007 and there are around 1000 active members, with the aim to unite the alumni's of Royal College of Engineering and technology for the welfare of RCET.

It is a global platform to share their experience and maintain a healthy relationship with each alumni's throughout their life. The Alumni association often renders financial aid and Technical support to deserving students.

Objectives of Royal alumni association

1.Organizes Alumni meetings to bring together the Alumni of RCET.

2.To provide job opportunities to students of RCET.

3.Alumni play a significant role by participating in programmes like mentoring students in areas

where they are expertise through R-AIM.

4.RCETAlumni helps poor and meritorious students by providing scholarships to deserving

**Students.**

File Description	Documents
Paste link for additional information	<a href="http://alumni.royalcet.ac.in/">http://alumni.royalcet.ac.in/</a>
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

E. &lt;1Lakhs

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 and in tune with the vision and mission of the institution

**Our Vision is:** "To continuously grow as a Resourceful, Outstanding, Youthful, Adaptive institution in the field of engineering and technology habituating, Lifelong learning."

**The Mission is :** "To groom the youth into eminent technocrats With lifelong learning skills to meet future requirements, deep sense of social responsibility, strong ethical values and global outlook, to face the challenges of the changing world."

**Resourceful:** RCET has been successfully improving the physical infrastructure of the campus and echo friendly ambience in addition to qualified teachers. There are also platforms for skill development, off-syllabus projects, industrial and social interface, paper presentation facilities and alumni interaction.

**Outstanding:** RCET is continuously on its efforts to be an outstanding institution among the peers. RCET is known for its academic discipline, attracting media attention for its social outreach and services to the society .

**Youthful:** Several non academic activities are executed consistently in RCET.

**Adaptive:** RCET has always been adjustable with the transitions



happening .

**Lifelong Learning:** The aim of our college is a paradigm shift from the attitude towards learning from a mere means to secure a certificate or a job, to one of acquiring and updating knowledge continuously to be competitive and resourceful throughout life.

File Description	Documents
Paste link for additional information	<a href="http://royalcet.ac.in/governing-body/">http://royalcet.ac.in/governing-body/</a>
Upload any additional information	<a href="#">View File</a>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

RCET is well known for the discipline enforced in the campus among students as well as staff. The college follows a uniform dress code for the entire students, teachers and staff..

RCET strictly adheres to the course schedule provided by the university resulting in completion of syllabus, conducting the examinations and publishing sessional marks well within the time.

The rules and timings are strictly observed in the library and laboratory.

Functioning of separate hostels for gents and ladies with warden and matron, college canteen and other common places is well controlled by the administration.

Separate committees are set up and sufficient powers are delegated to such committees. Governing Body, Academic Council, IQAC,, Examination Cells, Placement Cell, UHV cell and Statutory Bodies works effectively.

Under these main committees we have a number of subcommittees for improving students' academics as well as extracurricular activities.

**Decentralization and Participative Management:-**

Functioning of IQAC headed by a well qualified professor as director is the best example of decentralization. The IQAC involves the entire staff, in the mission to improve and sustain

quality across the board .

File Description	Documents
Paste link for additional information	<a href="http://royalcet.ac.in/igac/">http://royalcet.ac.in/igac/</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

RCET is always keen on its Vision and in order to achieve and sustain it, exhaustive planning is required with a long term perspective. RCET is already on the track having initiated the prospective plan.

The main objective of Placement and Training Cell of RCET is to locating job opportunities for Under Graduates and Post Graduates passing out from the college by keeping in touch with reputed firms and industrial establishments. It operates round the year to facilitate contacts between companies and graduates.

RCET's strategy for "EMPOWERING STUDENTS FOR EMPLOYABILITY" is one of the activities successfully implemented. With the aim of increasing the practical capability of the student, the college has developed IEDC, R-AIM, skill development initiatives etc. Following are the major activities deployed for making students employable.

IEDC is an innovation ecosystem at RCET by providing all the requirements for idea generation, development of such ideas into products and services and for commercialization of the products through start up ventures.

Institution facilitates the following skill development in technical, nontechnical and soft skill areas:

Mentor- Mentee Relationship

Yoga Sessions Portray

Technical Workshops

Gender sensitization program

National conferences

Induction program for faculty members and students

Cultural activities

Universal Human Value Programs

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="http://royalcet.ac.in/placement-2/">http://royalcet.ac.in/placement-2/</a>
Upload any additional information	No File Uploaded

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

The efficiency and effectiveness of RCET is reflective in its policies, administrative setup, appointment and service rules, procedures etc. RCET has its own policies on various aspects of the institutional functioning in tune with the policy guidelines of the university and AICTE and also the Vision and Mission of RCET. Some of the policies are HR, maintenance, admission ,purchase, resource mobilization ,security services ,bus service, canteen, housekeeping, hostel and R & D .

Administrative set up: The highest body of the institution is the Board of Directors. The Director Board constitutes President, General secretary, Treasurer, Senior Vice president, Secretaries (3), Executive Director, Directors (4).

The major functions/functional staff coming exclusively under the Principal are Director IQAC, Director Training & Placement, Director Physical Education, Dean UG & PG ,Dean student affairs, Dean R&D, Head of the Departments, Librarian, various committee coordinators, Hostel Warden and Controller of Examination (CoE).

The functional staffs supervised by the Chief Executive Officer are administrative officer, transport officer, purchase head, store keeper, office assistant /HR section, office assistant /students section, office attenders, site supervisor, maintenance

engineer, security chief, canteen / cleaning supervisor etc.

The institution strictly adheres to the policies formulated on purchase, salary, store and maintenance.

File Description	Documents
Paste link for additional information	<a href="http://royalcet.ac.in/hr-policy/">http://royalcet.ac.in/hr-policy/</a>
Link to Organogram of the institution webpage	<a href="http://royalcet.ac.in/wp-content/uploads/2022/02/Organogram-converted.pdf">http://royalcet.ac.in/wp-content/uploads/2022/02/Organogram-converted.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 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	No File Uploaded
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Welfare includes anything that is done for the comfort and improvement of employees .

- RCET provides Excellent infrastructure ,conductive environment, decent accommodation and canteen facilities.
- It also provides transportation facility to teaching and non teaching staff at concessional rates.
- The college has instituted a contributory provident fund and ESI facilities for the employees including teaching and non teaching staff.

- RCET has an Internal Complaints Committee (ICC) to protect the interests and to ensure security and dignity for women.

**Staff Club:** RCET has a very active staff club for staff and non teaching staff.

**Maternity leave:** lady Staff members are permitted to take Maternity Leave according to their requirements.

**PhD leave:** The College encourages acquisition of higher qualifications like PhD under Quality improvement programs. Duty leave is granted for contact period.

**Permission for early leaving to meet exigencies:** Staff are permitted to leave to meet exigencies, by the principal, in addition to provision for leaving at 3.00PM monthly for 2 days.

**Salary Advance:** Depending upon the nature of needs RCET has got a scheme of advance salary, thus helping the staff meet their urgent monetary requirements

File Description	Documents
Paste link for additional information	<a href="#">Nil</a>
Upload any additional information	<a href="#">View File</a>

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

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

7

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### **6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)****6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

50

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

**6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff**

RCET has a robust performance appraisal system in place, in order to capitalize the strengths and improve upon the weaker areas of every staff in the campus. Every teaching and non teaching staff submits their individual SELF APPRAISAL REPORT to the HOD annually. HODs submit their self appraisal to the Principal, during the end of each Academic year. In every semester a half yearly report called the "END SEMESTER REPORT '' is submitted by the staff to the HOD and by the HOD to the Principal.

Performance appraisal reports give qualitative assessment of a faculty member on the following major categories:

1. Evaluation by the HoD based on self appraisal - 50
2. Evaluation by the HoD based on overall performance -20
3. Evaluation by FAC based on students feedback - 30

Actual performance is measured against the Targets and Benchmarks. Based on evaluation by HOD the performance levels of various teachers are reported to the Principal.

Similarly all non- teaching staff submit their self appraisal to the administrative head that in turn evaluates the same, submits observations and reports to the Principal. The Principal, analyzing these reports, discusses the same with the management along with discussion on the overall performance of the institution so as to initiate steps for improvement.

File Description	Documents
Paste link for additional information	<a href="#">Nil</a>
Upload any additional information	<a href="#">View File</a>

#### **6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

RCET is an unaided self- financing institution ,depending on own sources of finance for running the institution .This necessitates, a very sound financial management , checks and measures for expenditure control, strategies to increase operational revenue

and other source of funds, to be self- sufficient in financial matters, and a strong audit system.

1. Internal Audit:-Internal audit is being conducted regularly, culminating in a monthly report submitted by the auditors. It is a self triggered mechanism devised by the institution with the purpose of identifying , rectifying and plugging irregularities then and there so that maximum perfection can be achieved before the external audit conducted by professional chartered accountants annually.

2. External audit:-While internal audit is self triggered, external audit is more of the nature of verifying compliance of stipulations of various authorities like income tax department, government, local authorities, university, AICTE, Accreditation agencies etc.

These audits normally cover verification of correctness of the following aspects: Physical cash and bank balance verification, Voucher checking, Bank reconciliation, Purchases, Miscellaneous.

File Description	Documents
Paste link for additional information	<a href="#">Nil</a>
Upload any additional information	<a href="#">View File</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

##### 6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

RS 100000/-

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>



## 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

**Sources for effective running of the institution :**

1. **Capital from the promoters:** The entire expenditure for setting up infrastructure of the college has been contributed by the promoter Trust.
2. Post completion of the infrastructure and equipment, the main source of income for the day today running of the college is fees from students.
3. The institution can also source funds for project execution under various schemes.
5. The college extends its facilities for conducting online examinations for which it earns income to supplement the main sources.

**Resource mobilization policy of RCET:-**The fund resource to the institution is mainly the fees collected from students at the time of admission in first year and institution fees in each semester.

**Optimum utilization of resources:** After elaborate discussions with the management and governing body, RCET comes out with a budget of revenue and expenditure every year. Based on the feedback from relevant department/activity heads, the required expenditure and money utilization plans are consolidated to arrive at the total financial requirements of the institution for the succeeding year.

File Description	Documents
Paste link for additional information	<a href="#">Nil</a>
Upload any additional information	<a href="#">View File</a>

**6.5 - Internal Quality Assurance System**

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

**IQAC is functioning effectively at RCET which has developed institutional mechanisms and procedures for :**

- Ensuring timely, efficient and progressive performance of

curricular, extracurricular, administrative tasks.

- Sensitizing all stakeholders, of the need for maintaining quality of academic, non

Academic and research programmes.

- Optimization and integration of modern methods of teaching and learning.
- Ensuring transparency and credibility of evaluation procedures .
- Adequate and timely maintenance and proper allocation of support structure and services.
- Networking with other institutions.

The two noted best practices by IQAC are contribution in teaching learning process and internal academic auditing procedure.

IQAC has initiated the development and application of quality benchmarks for the various academic activities of the institution and also programmes for off- syllabus learning and skill development of the students. The IQAC conducts regular quality audits in the form of internal audit, twice in a semester to verify the strategy implementation and quality of work done. Each department is audited by IQAC and the deficiency report is given to departments.

Perspective plan for development of the institution:

Fulfillment of RCET Vision, Environmental activities in the campus and holistic development of the students are the perspectives of IQAC.

File Description	Documents
Paste link for additional information	<a href="http://royalcet.ac.in/iqac/">http://royalcet.ac.in/iqac/</a>
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Effective plans for improvement from time to time:

- The academic performance of students is evaluated at

department level meetings and special attention and care is given to slow learners to catch up with the average students.

- Quality of teaching is ensured with the help of data collected from the feedback of students and other stake holders
- The COs, PSOs and PEOs are assessed and necessary corrections, if any, are implemented
- The evaluation of other quality enhancement and quality sustenance programmes are monitored by the respective organizing bodies and the effectiveness is evaluated by IQAC and Academic Council.
- Research activities of the faculty members and students are monitored and special efforts are taken to inculcate research culture in the institute.
- Special efforts are taken to improve the soft skills and analytical skills of students to improve their level of employability.

Initiatives includes:

quality development Programs for teaching and non teaching staff, UHV Cell formation, NBA activities, NDLI Club activities, Student induction program, NEP 2020 awareness programmes, Collaboration with industries and organizations(MoU's Signed-6), Medicinal Plant garden and Nakshatravanam initiatives, NSS and student promotion activities

File Description	Documents
Paste link for additional information	<a href="#">Nil</a>
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	<a href="http://royalcet.ac.in/wp-content/uploads/2022/02/6.3.4-Annual-Report.pdf">http://royalcet.ac.in/wp-content/uploads/2022/02/6.3.4-Annual-Report.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## 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

RCET has initiated several programs for sensitization to ensure equality for both sex in all aspects. initiatives include:

Internal Complaints Committee of the institution is constituted with a senior lady member as presiding officer, three senior lady members from departments and two girl students as representatives. In order to ensure privacy for girl students for their specific needs separate common rooms, wash rooms/toilets and facilities for doing prayer etc are provided in the college.

Separate ladies hostel and special service by ladies are provided in the canteen are intended to ensure privacy and security of girl students.

The college gives equal consideration for ladies for employment, as teachers, department or administrative heads etc.

Women's club in RCET is always engaged in various activities for promoting females.

To increase awareness of lady teachers, staff and students about the facilities, provisions and priority in certain area, this club organizes classes of experts, cultural programs for ladies which will guide them to resolve their problems.

Institution celebrates Women's day and appreciates recognitions of lady members of the institution.

File Description	Documents
Annual gender sensitization action plan	<a href="http://naac.royalcet.ac.in/document/7.1.1/7.1.1 B.pdf">http://naac.royalcet.ac.in/document/7.1.1/7.1.1 B.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="http://royalcet.ac.in/womens-complaints-commission/">http://royalcet.ac.in/womens-complaints-commission/</a>
<b>7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment</b>	<b>B. Any 3 of the above</b>
File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management	
<p><b>Solid waste management</b></p> <p><b>Liquid waste management</b></p> <p><b>Biomedical waste management</b></p> <p><b>E-waste management</b></p> <p><b>Waste recycling system</b></p> <p><b>Hazardous chemicals and radioactive waste management</b></p> <p>RCET has developed an environmental policy which states its commitment to protect and sustain ecological resources and their equilibrium, particularly within the campus.</p> <p><b>SOLID WASTE MANAGEMENT RCET management, staff and students took</b></p>	

initiative for waste management from its hostel and canteen and set up a bio-gas plant within the campus. A part of solid waste from hostel kitchen is regularly collected by nearby pig farm owners for feeding the pig. Specification of Waste management system :- Hemispherical dome with radius of 1.35 m and capacity of 5 m<sup>3</sup>.

**LIQUID WASTE MANAGEMENT** Liquid waste from college kitchen, hostels etc are collected in large concrete underground tanks. RCET is having a storage tank of 25000L capacity, an underground and watertight tank made of concrete in which sewage is collected and partially treated. These are used for water-flushed systems that are not connected to a sewer.

**E-WASTE MANAGEMENT AND WASTE RECYCLING** Computers, lab equipments, electronic devices, sound systems and chargers are recyclable, yet they can also be the most dangerous materials dumped inside a landfill, according to the Environmental Protection Agency. E-waste materials are collected and handed over to external agencies for final disposal.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">View File</a>

**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
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

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

A. Any 4 or All of the above

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

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

**7.1.6.1 - The institutional environment and energy initiatives 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	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**

**B. Any 3 of the above**

**5. Provision for enquiry and information :  
Human assistance, reader, scribe, soft copies  
of reading material, screen reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the 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 socioeconomic and other diversities (within 200 words).

RCET has always been taking care of promoting harmony in the midst of various diversities and pandemics based on religions, caste, financial capabilities and regional differences. In cultural activities and arts festivals anybody can observe performance or programs prevalent in different communities.

The college facilitates students and teachers from different communities to celebrate their respective festivals or other religiously important dates. Muslim students are facilitated with time slots for their prayer and students from other communities respect it too indicating high level of tolerance in the campus. Though hailing from different geographies or linguistic areas students and teachers behave with full understanding and respect for each other. Irrespective of their community, students and staff join in celebration of festivals like Onam, Christmas, Eid etc.

Students from all strata of society are getting admission in RCET irrespective of their religion, caste, race, financial capability, gender or social

status. Activities like study tours, internship, projects, cultural activities, sports are undertaken by mixed groups of boys and girls leaving no choice for gender discrimination, identification of students for conferences, internship, placement etc are all purely merit based without any discrimination of any



nature.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

In order to sensitize the students and teachers about the constitutional provisions RCET has been focusing on the following activities or areas.

RCET has been strictly following the government directives with regards to reservation of seats to deprived groups of people like SC/ST,OBC /OEC, economically backward classes ,differently abled etc. Concession in fees has also been extended to eligible students as per the government policy directives.

The college has a very effective anti ragging, disciplinary action, student Grievance Redressal Cell, Internal Complaint Committee, PTMA, staff club, UHV, NSS and SSDF etc to ensure and sensitize social obligations.

In order to sensitize the students about the democratic way of life and leadership attributes, the college follows strict procedures for election of students council. As a part of duties to the society and to improve and inculcate human values RCET students and teachers have always been extending timely and need based helping hand to people affected by natural calamities like flood, epidemics etc. RCET has always been celebrating commemorative days like independence day, republic day etc to promote the spirit of patriotism, respect for national flag and ideals of the constitution.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="http://royalcet.ac.in/sssdfan-cell/">http://royalcet.ac.in/sssdfan-cell/</a>
Any other relevant information	<a href="http://royalcet.ac.in/uhv-cell/">http://royalcet.ac.in/uhv-cell/</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on Code of Conduct are organized**

A. All of the above

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

RCET facilitates students and teachers from different communities to celebrate their respective festivals or other religiously important dates. The various days celebrated by our institution are:

Environment Day is being celebrated on 5th of June at the campus of RCET. RCET celebrates the Independence day on 15th of August every year. RCET students celebrate 'Teachers Day' On September 5th of every year. RCET observe Kerala Piravi on November 1st with

different activities in the college premises. Every year on January 1st, students and staffs of RCET celebrate New Year day. RCET celebrate the Republic day on 26th January. Every year, as the part of this day, the flag hoisting ceremony is being observed in our campus. RCET celebrates international women's day at the campus on March 8th. Various entertaining programs and invited talks are being arranged in connection with this celebration. September 15th the birth day of Sir M Visvesvaraya is observed as 'Engineers Day' on which invited talks are conducted. All important festivals such as Onam, Christmas, Eid etc..are celebrated with the full participation of staff and students of RCET. RCET is giving due importance to international Yoga Day and Sports day with various activities.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

1. Title of the Practice ROYAL ASSOCIATION AND INTERACTION WITH MASTERS (R-AIM)

2. Objectives of the Practice

Continuous improvement through enhancement of technical skills and Lifelong Learning habit.

To create awareness among staff and students about the dynamic changes happening in techno-economic world by conducting workshops and hands on training sessions Preparing students to be ready-to-industry and aiming their Holistic Development

3. The Context

To inculcate industrial exposure and practical interest in staff and students, R-AIM undertakes orientation programs and seminars.

R\_AIM identifies suitable personalities from various fields in Engineering and Technology focusing multidisciplinary learning. R-AIM provides interaction with industry experts and alumni aiming to get exposure to modern tools and technology through online and offline platform.

#### 4. The Practice

To transform students into multi-skilled personalities and technocrats, R-AIM organizes programs from industry experts, who are connected with the institution. Seminars on areas with timely relevance, interaction with persons from different fields, and alumni of commendable achievements are arranged throughout the year for practically orienting the students. Because of the closeness of masters with the institution, they will be more cordial and can provide clear and succinct direction.

Depending upon the requirement of changing technical and social scenarios R-AIM identifies variety of courses for acquiring /updating different skillsets and acts as a link for taking advantage of such platforms for the students to increase their capabilities. Undertaking such programs and initiatives under a dedicated center is a unique step of RCET.

#### 5. Evidence of Success

Royal Association and Interaction with Master program provide a "Lifelong Learning" experience for the students and staffs of the institution. Through this program, students get direct and indirect contact with eminent personalities. They are getting the way to success in career from their seniors. Alumni working in different countries and teachers from major institutions, provide insight into career options and updating in technical fields. Interaction with masters from the RCET family imparts more confidence to the students for chasing their dreams and facing the challenges in their life.

Various R-AIM initiated events includes Webinar on "Studying Abroad after B.Tech- Requirements?" by Manu Paily, Application Engineer, Fairfield Control Systems, UK. [RCET Alumni, 2004-2008 batch] Webinar on "Future is for Smart Engineers" by Mr. Rahul V, ICT-admin, Indian School, Oman. [RCET Alumni] Webinar on "Robotic Automation" by Aneesh Narayanan, Director, enProducts Pvt Ltd Cochin. [RCET Alumni, 2003-2007 batch] Webinar series on "ROBOTECH" BY Navaneeth M G, Research Scholar, NIT Calicut.

## 6. Problems Encountered and Resources Required

The main challenges in implementing RAIM:

Increasing awareness among the students about the need and necessity of focusing on, off syllabus activities. This has been addressed by a proper presentation and citing examples for the students by the RAIM committee. Allocation of time and resources without disturbing academic schedules also was an issue in the initial stages. However, RAIM could overcome this by extending learning hours and working on holidays. HR resources: RAIM is constituted as a committee with the involvement of all the staff who are required to devote considerable amounts of their time for implementation and monitoring the activities. Financial resources: Financial resources are mobilized through contributions by management, PTMA, students, and Alumni. Infrastructure resources: The college is already having sufficient physical and technical infrastructure 1. Title of the Practice ROYAL SKILL ACQUISITION AND INTEGRATED LEARNING PROGRAM (R-SAIL)

### 2. Objectives of the Practice

To inculcate traditional as well as new age skills to technical staff members in various engineering and environmental fields, incorporating modern online platforms and transfer it to students to impart Lifelong Learning attitude. To impart learning on different technical and computational aspects. To conduct activities for the social and economic benefits of the Society.

### 3. The Context

Industry needs are frequently changing, and technologies are rapidly updating. Staff and Students must be aware of these changes and update their skill sets. Though they are good in academics, few of them are lacking communication and technical skills. They are needed to be groomed in technical as well as presentation aspects so that they can fulfill requirements in academia and industry.

### 4. The Practice

The practices of R-SAIL are based on the concept of Lifelong Learning through knowledge sharing among staff. It provides an opportunity to grow and to share knowledge with students also. To upgrade professional skills, various events are conducted, which include interactive sessions by technical experts and workshops/

training. Technical events are organized to improve the technical skills and communication skills of staff members. Conducting various activities to achieve technical enrichment of oneself and for the societal benefits.

#### 5. Evidence of Success

Conducted a one-day Training Programme with an aim to empower our technical staff & Office staff with computer skills. During the Corona Pandemic situation Superintendent of the workshop, had made the various products and given training for Automatic sanitizer using proximity sensor, foot-operated sanitizing dispenser, and hand washing unit. Developed Room sanitizer using UV-C technology. It can sanitize rooms with UV radiations without human intervention capable of covering 100sq.ft area within half an hour. Organized a mask making workshop for the technical staff of the college. Conducted a training session on the manufacturing of CFL bulbs and paper bag related to environmental activities Technical training to students for the production of Infrared sanitizer units for supplying to nearby government organizations like Police stations and hospitals.

#### 6. Problems Encountered and Resources Required

It is challenging to maintain a balance between academic activities and technical event activities.

In a pandemic situation, it is difficult to conduct group activities and events for societal benefits.

Even though it is hard to conduct group activities, training sessions are done by dividing into small groups and by making use of the online platforms.

File Description	Documents
Best practices in the Institutional website	<a href="http://royalcet.ac.in/r-sail/">http://royalcet.ac.in/r-sail/</a>
Any other relevant information	<a href="https://royalcet.ac.in/aim/">https://royalcet.ac.in/aim/</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The efforts of RCET are unique and distinctive in outreach of the institution to the society, young generation aspiring for professional education, people affected by natural calamities and other common problems faced by the society at large. Some of the initiatives:

**CALIDAD Engineers Scholarship Examination:** This is a unique venture organized by RCET management for creating quality engineers named as CALIDAD Engineers Scholarship Examination started on May 1st, 2011 which provides financial assistance those who excel in the examination.

**NSS Unit-143:** is acting as a catalyst to build up the right type of leadership in the institution. RCET has developed a strong NSS unit in the campus volunteering to go out to the society in times of emergency, natural calamities and other pressing needs of people. Highlights: Home for homeless, Blood donation, Anti-drug day Programme, Awareness on avoiding plastic, & women empowerment.

**SSSDF (Students Social Skill Development Forum) RCET:** The objective of this forum is to impart social awareness and to build social values in students. Under this programme classes are organized to sensitize the students and further to propagate in the society by them about road safety tips, menace of drugs, narcotics and tobacco.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

#### 1. Innovations in Teaching - Learning

- Student- centric teaching and learning methodology
- Effective engineering teaching practices

#### 2. Promotion of Research among staff and students

- Encouraging faculty members to undertake research work.
- Encouraging faculty and students to attend conferences, workshops, publish their research/review papers, etc.
- Taking efforts to undertake sponsored research project
- Plan to provide seed money for students projects

### 3.Improving Industry-Institution Interaction

- Providing platform to the students to undertake internship in related industries
- Providing skill based training to the student.
- Signing MoU's with organization/industry to exchange the knowledge and expertise in related program of engineering
- Make an effort to educate the students for entrepreneurship.

### 4.Engaging extension activities

- Inculcating Universal Human Values among students and faculty through UHV cell.
- Developing leadership qualities in students through various activities, involving students in programmes and Committees of the institute.
- Contributing to social change and promoting green and sustainable initiatives.

### 5.Quality Assurance Measures

- Accreditation - Proceeding with NBA accreditation for Computer Science and Engineering and Civil Engineering branches.
- IQAC, regularly assess the quality of the education in the institution and initiates developmental activities for overall progress.