



## YEARLY STATUS REPORT - 2021-2022

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>	
	AGNEL CHARITIES FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY
• Name of the Head of the institution	Dr. S. M. Khot
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02227771000
• Mobile no	8108504063
• Registered e-mail	principal@fcrit.ac.in
• Alternate e-mail	smkhot@fcrit.ac.in
• Address	Agnel Technical Education Complex, Sector-9A, Vashi, Navi Mumbai
• City/Town	Navi Mumbai
• State/UT	Maharashtra
• Pin Code	400703
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	<b>Self-financing</b>
• Name of the Affiliating University	<b>University of Mumbai</b>
• Name of the IQAC Coordinator	<b>Dr. Mini Namboothiripad and Dr. Sanjay Rukhande</b>
• Phone No.	<b>027771000</b>
• Alternate phone No.	<b>9819663484</b>
• Mobile	<b>9819860469</b>
• IQAC e-mail address	<b>iqac.fcrit@fcrit.ac.in</b>
• Alternate Email address	<b>mini.n@fcrit.ac.in</b>
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.fcrit.ac.in/static_pdfs/NAAC/AQAR_20_21_Report.pdf">https://www.fcrit.ac.in/static_pdfs/NAAC/AQAR_20_21_Report.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://www.fcrit.ac.in/academic_calendars">https://www.fcrit.ac.in/academic_calendars</a>

**5.Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B++</b>	<b>2.99</b>	<b>2021</b>	<b>15/02/2021</b>	<b>14/02/2026</b>

**6.Date of Establishment of IQAC****29/06/2019****7.Provide the list of funds by Central / State Government****UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
<b>Dr. Mini Rajeev, Department of Electrical Engineering</b>	<b>AICTE ATAL Academy</b>	<b>AICTE</b>	<b>08/11/2021 to 12/11/2021</b>	<b>Rs.93000/-</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>2</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>No</b>
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<a href="#">View File</a>
<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>	
Granted three years of NBA Accreditation extension up to 2025 for Computer, Mechanical, EXTC and Electrical programs of FCRIT Vashi.	
Established the FCRIT E-Cell on Nov-2021 in compliance with the MoEs' (Ministry of Education) Innovation Cell to foster Innovation and Entrepreneurship for HEI's,	
Initiated the process to organize the IEI-NMLC-FCRIT-22 excellence award to recognize and appreciate the excellence of academicians and Industry professionals in their respective domains.	
Conducted ATAL FDP course on "Power Electronic Systems and its Real Time Control Implementation in DSP" on 08/11/2021 to 12/11/2021. Conduction of ISTE approved FDP course on "Block Chain Awareness, Use Cases and Challenges" on 03/01/2022 to 07/01/2022	
ECO Club was formed and inaugurated on 8th April at FCRIT Vashi to nurture the love for nature.	
<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
Internal Academic audit for all departments are scheduled by IQAC	Conducted the academic audit as per the schedule.
Participation in EW (Education World) India Private Engineering colleges ranking 2021-22	Ranked 43 in All over India and 10th in Maharashtra by the EW (Educational World) India Private Engineering colleges ranking
Approval of department wise activities proposed by the HOD's of the departments to cater to improve overall teaching learning objectives, Faculty development activities, Social related activities, Placement activities, Research related activities Extra and cocurricular activities by the IQAC	Summary of the proposed activities is submitted by the HOD's to the IQAC and IQAC approved the same.
Faculty Development programs	Electrical department conducted AICTE (ATAL) Sponsored FDP (online) on "Power Electronics systems and its real time control implementation in DSP" from 8/11/2021 to 12/11/2021. Computer Department conducted ISTE approved STTP on "Block Chain Awareness, Use Cases and Challenges" from 03/01/2022 to 07/01/2022. IT department conducted STTP on "Artificial Intelligence and Data Science with current trends" from 03/01/2022 to 07/01/2022.
AICTE Distinguished Chair Professor scheme.	FCRIT was shortlisted as one of the institutes and Padmashree Awardee and Distinguished Scientist, Dr. N. Vedachalam from ISRO, delivered a talk to teachers and students on 28/08/2021.

National Level Technical Paper and Poster Presentation	Mechanical Department Organized National Level Technical Paper and Poster Presentation in CALIBRE2K22
National level Project competition	IT Department conducted National level Project competition Techspark and PCUBE.
Certification courses	Computer Department conducted three 30 Hrs. Certification courses, on "Python Course from Basic to Advance", on "Latex Workshop" and on "Agile Technologies by TCS". Also, EXTC department conducted 30-hours certification course on "LabVIEW" and Placement cell conducted on "Basic Programming".
ConnectED series	Conducted a series of short video interviews with FCRIIT Alumni who could share their experiences on a range of topics that were of key interest to the current students. This helped to bridge the gap between the current students and the Alumni.
Online conduction of Alumni meet	Alumni Meet 2022 is conducted online on 8th January 2022
Collection and disposal for E waste to a recycling company by SEED committee	147 Kg of E-Waste was handed over to Envirocare Recycling Pvt. Ltd., Jogeshwari, Mumbai on 12/3/2022
Conduction of NSS activities	The NSS unit of the institute has taken up the step ahead to initiate various programmes through online/offline mode to reach out to maximum people in the pandemic & post pandemic period. To name a few major activities - Poster competition on World AIDS Day, Animal Welfare Awareness Quiz, Webinar

	on Food-Planet-Health, Awareness seminar on a diet based on naturopathy and yogic philosophy, Poster making competition on national unity day, Webinar on RUCO Repurpose Used Cooking Oil, Blood Donation poster making competition, Eye Check-up activity, Organ Donation Awareness activity, Selfie With Medicinal Plant, Health Check-up Camp for Children & Senior Citizens, Making a Bird feeder activity, Poster competition on Conserve Water etc.
Performance improvement of slow learners	To improve the performance of the weak students, every week/alternate week one hour was assigned in the timetable for remedial lectures for each subject.
Guest Lectures to address the contents beyond syllabus	Guest lectures were conducted at the department level in both the semesters
Attendance Monitoring Through APMS	The attendance of the students was monitored throughout the semesters by all the departments using the APMS portal
Applied Best College under urban category of Mumbai University	Received Best College award under urban category of Mumbai University on September 5, 2022.
<b>13. Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
IQAC	12/12/2022

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

Year	Date of Submission
2023	06/01/2023

**15. Multidisciplinary / interdisciplinary**

NA

**16. Academic bank of credits (ABC):**

NA

**17. Skill development:**

The following skill development activities are conducted as per the curriculum wherein focus is not only on providing knowledge but also on building skills, attitude and self learning.

**1. CSL304: Skill based Lab Course: Object Oriented Programming with Java:**

Objective is 1) To learn the basic concepts of object-oriented programming 2) To study JAVA programming language 3) To study various concepts of JAVA programming like multithreading, exception Handling, packages, etc. 4) To explain components of GUI based programming.

**2. CSL 605: Skill based Lab Course: Cloud Computing**

Objective is 1 To make students familiar with key concepts of virtualization. 2 To make students familiar with various deployment models of cloud such as private, public, hybrid and community so that they start using and adopting appropriate type of cloud for their application. 3 To make students familiar with various service models such as IaaS, SaaS, PaaS, Security as a Service (SECaaS) and Database as a Service. 4 To make students familiar with security and privacy issues in cloud computing and how to address them.

**3. MESBL301 Skill Based Lab: CAD - Modeling**

Objectives: 1. To impart the 3D modeling skills for development of 3D models of basic engineering components. 2. To introduce Product data exchange among CAD systems. 3. To familiarize with production drawings with important features like GD &T, surface finish, heat treatments etc.

#### 4. MESBL401 Skill based Lab: CNC and 3-D Printing

Objectives: 1. To familiarize with subtractive manufacturing process in particular CNC systems. 2. To acquaint with basic part programming process for specific operations. 3. To familiarize with additive manufacturing process in particularly 3D printing. 4. To acquaint with basic process of 3D modeling using biomedical data.

#### 5. MESBL501 Professional Communication And Ethics - II

Objectives: Learners should be able to: 1. Discern and develop an effective style of writing important technical/business documents. 2. Investigate possible resources and plan a successful job campaign. 3. Understand the dynamics of professional communication in the form of group discussions, meetings, etc. required for career enhancement. 4. Develop creative and impactful presentation skills. 5. Analyse personal traits, interests, values, aptitudes and skills. 6. Understand the importance of integrity and develop a personal code of ethics.

#### 6. MESBL601 Measurements and Automation:

Objectives: 1. To study fundamentals of inspection methods and systems. 2. To study working of mechanical measurement system. 3. To familiarise with different types of control systems. 4. To study different hydraulic and pneumatic systems. 5. To study various design principles of robotics through kinematic analysis, workspace analysis and trajectory planning.

#### 7. ECL304 Skill Lab: C++ and Java Programming

Course Objectives: 1. Describe the principles of Object Oriented Programming (OOP). 2. To understand object-oriented concepts such as data abstraction, encapsulation, inheritance and polymorphism. 3. Utilize the object-oriented paradigm in program design. 4. To lay a foundation for advanced programming. 5. Develop programming insight using OOP constructs.

#### 8. ECL404 Skill Lab: Python Programming

Course Objectives: 1. Describe the core syntax and semantics of Python programming language. 2. Explore file handling in Python 3. Infer the Object-oriented Programming concepts in Python 4. Formulate GUI Programming and Databases operations in Python 5. Develop applications using variety of libraries and functions



#### 9.ECL604 Skill Laboratory: Linux & Networking & Server Configuration

Course Objectives: 1. Install Linux and implement standard Linux commands 2. Study basic theory of Linux Operating System 3. Implement the system administrative functionality 4. To write shell script programs to solve problems 5. Study basic commands of networking 6. Develop implementation skill of different servers on Linux

#### 10. EEL304 Skill Based Lab (SBL-I) Applied Electrical Engineering Lab

The course is aimed: 1. To provide hands on experience to use laboratory instruments for testing and measurement. 2. To develop the ability to repair and maintain electrical equipment/ appliances 3. To impart the knowledge of electrical installation on institute campus. 4. To impart the knowledge of Electrical fire and shock hazards safety.

#### 11.EEL404 Skill Based Lab- II PCB Design and Fabrication Lab

The course is aimed: 1. To develop the skill set to work on real-life projects and its design. 2. To develop the required skill set to design, develop and assemble the PCB using the CAD tools

#### 12.EEL604 SBL-III: Industrial Automation Lab

Course Objectives 1. Develop necessary acquaintance with components and subsystems used in industrial automation 2. Develop the necessary skillset to integrate, monitor, maintain such systems

#### 13.ITL304 Java Lab

The Lab experiments aims: 1 To understand the concepts of object-oriented paradigm in the Java programming language. 2 To understand the importance of Classes & objects along with constructors, Arrays ,Strings and vectors 3 To learn the principles of inheritance, interface and packages and demonstrate the concept of reusability for faster development. 4 To recognize usage of Exception Handling, Multithreading, Input Output streams in various applications 5 To learn designing, implementing, testing, and debugging graphical user interfaces in Java using Swings and AWT components that can react to different user events. 6 To develop graphical user interfaces using JavaFX controls.

#### 14.ITL404 Python Lab (SBL)

The Lab experiments aims: 1 Basics of python including data types, operator, conditional statements, looping statements, input and output functions in Python 2 List, tuple, set, dictionary, string, array and functions 3 Object Oriented Programming concepts in python 4 Concepts of modules, packages, multithreading and exception handling 5 File handling, GUI & database programming 6 Data visualization using Matplotlib, Data analysis using Pandas and Web programming using Flask

#### 15.ITL605 DS using Python Lab

The Lab experiments aims: 1 To know the fundamental concepts of data science and analytics 2 To learn data collection, preprocessing and visualization techniques for data science 3 To Understand and practice analytical methods for solving real life problems based on Statistical analysis 4 To learn various machine learning techniques to solve complex real-world problems 5 To learn streaming and batch data processing using Apache Spark 6 To map the elements of data science to perceive information

In addition to that various certified courses for skill based activities are conducted for students:

Name of Add on /Certificate programs offered	Duration of course	Number of students enrolled in the year
Basic Programming Certification Program	March 13, 2021- September 11, 2021	186
Campus Credentials Placement Training	June 2021 - May 2022	310
LabVIEW based Certification Course	January 2022 - April 2022	20
Agile Technologies by TCS	September 27, 2021 - October 29, 2021	41
Latex Workshop	August 30, 2021 - October 10, 2021	81
Python Course From Basic to Advance	February 10, 2022 - April 11, 2022	280

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

To showcase the rich heritage and culture, customs and traditions of either state for enabling people to understand and appreciate the diversity that is India, thus fostering a sense of common identity,an online lecture was organised by the EBSB unit of FCRIT

on February 19, 2022 to share information regarding the pair-state Odisha' according to the Ek Bharat Shreshtha Bharat's activity calendar.

Dr. Sangeeta Das, she is assistant professor from the Electrical dept. of our college and is affiliated to the state of Odisha started the lecture by telling students the history of Odisha State, when it was formed and when its name changed from Orissa to Odisha. After history, the lecturer started the session of Odia language the language of Odisha it is the one of the classical language of India. With the help of a presentation, the lecture was carried out. She showed the alphabets of Odia language and how it is pronounced and taught students the pronouns, numbers and basic terms in Odia which include some vegetables, fruits, animal's names. After that short sentences were taught. Students noticed that how similar Odia language is with Hindi and Marathi language. At last students were asked to form small sentence in Odia language.

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

- Programme outcomes:

The statements of the POs are adapted from the NBA SAR-Annexure I.

- Programme specific outcomes:

Program Specific Outcome (PSO) statements for all programs, were drafted based on guidelines from SWOT analysis by DWC (Department Working Committee) and approved by DAB (Department Advisory Board). The DAB consists of the representatives from all the stakeholders, such as students, parents, alumni, industries, and academia. PSOs are disseminated to the stakeholders through the following channels:

1. Institute Website (<https://www.fcrit.ac.in/academics/under-graduate/mechanical>)
2. Department Notice Board
3. Laboratory Notice board
4. HOD Cabin
5. Course Booklet Given to students at the start of semester

- Course outcomes:

Course outcomes (COs) are stated for all courses in clear statements of what a student should be able to demonstrate upon completion of a course with respect to knowledge and skills.

Around six Course Outcomes (COs) for the theory and around four COs for the laboratory related courses are framed in consultation with module coordinators with reference to examination reforms. Guidelines to frame Course outcomes are given in OBE booklet. Course outcomes are disseminated to the students in following way

1. Course Booklet
2. During the first lecture of every semester
3. Laboratory Continuous Assessment format.
4. Laboratory Notice Board

Attainment of Programme outcomes and course outcomes are evaluated by the institution in the following manner.

- Course Outcome Attainment

The course outcome attainment is done in two parts: Internal Assessment and External Assessment with the weightage being 60% and 40% respectively.

1. Internal Assessment (60%): Internal Assessment is done on the basis of direct and indirect evaluation with a weightage of 80% and 20% respectively.
2. Direct Evaluation (80%) displays the student's knowledge and skills from their academic performance and is evaluated with minimum two tools which are selected from Continuous Internal Evaluations (CIE) such as class/assignment test, internal assessment tests, assignments, seminars, laboratory assignments/practicals, mini projects, etc. with 80% weightage and preliminary examination with 20% weightage.
3. Indirect Evaluations (20%) includes course exit survey which is taken upon completion of the course.
4. External Assessment (40%): The external evaluations include End Semester Examination (ESE) conducted by the University.

- Program Outcome (PO) and Program Specific Outcome (PSO) Attainment

Attainment of Program Outcomes and Program Specific Outcomes are mainly done by using Direct and Indirect Assessment methods. The weightage for Direct and Indirect Assessment are 80% and 20% respectively

1. Direct Assessment is derived from CO attainment from all courses based on CO-PO mapping.
2. Indirect Assessment is carried out by using Program Exit survey and Co-curricular and Extra-curricular survey.

## 20.Distance education/online education:

Online lectures using Microsoft Teams are conducted for some of the courses in our curriculum. The details are as follows:

. No.	Name of the Faculty Member	Subjects Taught	Affiliation
1	Mr. Sagar Garje	Operation Research	Godrej and Boyce Mfg
2	Dr. Ramesh Veerapan	Disaster Management and Mitigation Measures	TISS, Mumbai
3	Ms. Saumya K.	Disaster Management and Mitigation Measures	TISS, Mumbai
4	Dr. Tarapada Pyne	Reliability Engineering, Project Management	Center for Reliability
5	Mr. Vishram Kunte	Cyber security and laws	Capgemini Technology
6	Mr. Yashwant Kothekar	Project Management	L&T Infotech Pvt Ltd
7	Mr. Amit Karkhanis	Project Management	Consultant, IQVIA
8	Mr. Anil Jadwani	Entrepreneurship Development and Management	CEO, CIBA
9	Mr. Rajat Mittal	Digital Business Management	Cloud and Digital St
10	Mr. N. Ganeshan	Energy Audit and Management	Theia New Consultant

## Extended Profile

<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	<b>348</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	<b>1660</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>233</b>
File Description	Documents
Data Template	<a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	<b>356</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	<b>112</b>
File Description	Documents
Data Template	<a href="#">View File</a>

3.2	106
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	29
Total number of Classrooms and Seminar halls	
4.2	426.61259
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	750
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

The institute plans and develops action plans for effective implementation of the curriculum prescribed by the university.

Various stages of effective curriculum delivery

##### Planning:

- Course allotment is done at the end of every semester for the next semester primarily based on faculty's choice and their domain areas.
- Institute Academic calendar is prepared listing all the institute pertinent activities in alignment with University issued calendar. The departments prepare the academic calendar in adherence to the institute calendar.
- A teaching plan is prepared before the commencement of the semester.

##### Execution:

- Faculty strictly adhere to the teaching plan and any deviation in the plan is recorded.
- All internal examinations are conducted according to the plan. The faculty completes assessment within 10 days from the day of examination.

#### Monitoring:

- The HODs periodically reviews the execution of the teaching plan and monitors the syllabus completion through feedback.
- The departments continuously and effectively monitor the Attendance and Academic progress of all the students.
- Mentoring is conducted to monitor students' academic and any other related issues. A Professional Counselor is accessible at the institute.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.fcrit.ac.in/academics_home">https://www.fcrit.ac.in/academics_home</a>

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

The Institute academic calendar is prepared as per the university guidelines which accommodate the following major activities;

- Date of beginning and end of semester
- Schedule of co-curricular and extra-curricular activities
- Tentative period of various feedback collection
- Tentative period of Industrial visits
- Defaulters monitoring meeting schedule
- Internal Assessment tests (IA) and Preliminary examination dates
- Schedule of term work submission



- Tentative period of practical/oral examination
- Schedule of various academic audits

Head of the department prepares an academic calendar of their departments based on institute academic calendar which includes major additional activities of department and detailed continuous internal assessment plan.

Every faculty prepares course assessment plan on the basis of academic calendar of institute and department. Course assessment plans are also provided to students by faculty.

Academic calendars are uploaded on college website.

Institute strictly follows the academic calendar for conduction of continuous internal assessment such as Internal Assessment Tests, Preliminary exams etc.

All departments strictly adhere their academic calendar in conducting continuous internal assessment such as Assignment Tests, MOCK practical, Project progress presentations etc.

Head of departments monitors conduction of all components of continuous internal assessment and also the outcomes (results) of same on regular basis.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://fcrit.ac.in/academic_calendars">https://fcrit.ac.in/academic_calendars</a>

**1.1.3 - Teachers of the Institution participate in A. All of the above following activities related to curriculum 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

10

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

6

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

916

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

#### Response:

The following activities are covered under various categories:

#### Gender:

- Institute encourages and supports all the students irrespective of their gender to participate in various activities conducted at the institute level. Some activities are led by girl students.
- Also, the active participation of girl students in extra and co-curricular activities, sensitizes gender equality.

#### Environment and Sustainability:

- Various courses such as Environmental Studies, Power Plant Engineering, Renewable Energy, Disaster Management & Mitigation Measures, Energy Audit and Management, Environmental Management, etc., in the curriculum, give awareness about environment and sustainability.
- Institute has established the Sustainable Environmental and Ethical Development (SEED) committee which conducts awareness programs.
- Cleanliness activity and Tree Plantation drives are conducted.
- National Service Scheme (NSS) center and Unnat Bharat Abhiyan were established at the Institute in the year 2019-2020.
- Solar energy harnessing, Rainwater harvesting, Sewage water

treatment plant for reusing water for plants are implemented at the institute.

#### Human Values and Professional Ethics:

- Curriculum courses like Business Communication and Ethics, Professional Ethics and CSR, Cyber Security and Laws, Entrepreneurship Development and Management, IPR and Patenting play an important role in imparting values.
- Students showcase inculcated ethics and values, like punctuality, and discipline, while completing projects and publishing papers.

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

34

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

1268

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

**1.4 - Feedback System**

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders**  
**Students**  
**Teachers**  
**Employers**  
**Alumni**

B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	<a href="https://fcrit.ac.in/static_pdfs/Feedback.pdf">https://fcrit.ac.in/static_pdfs/Feedback.pdf</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>

**1.4.2 - Feedback process of the Institution may be classified as follows**

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://fcrit.ac.in/static_pdfs/Feedback.pdf">https://fcrit.ac.in/static_pdfs/Feedback.pdf</a>

**TEACHING-LEARNING AND EVALUATION****2.1 - Student Enrollment and Profile****2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of students admitted during the year**

382

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**

169

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

Institute conducts planned Internal Assessment tests and based on their performance in tests, we categorize students into slow and advanced learners.

The students those who score less than 60% of marks in Internal Assessment tests, are categorized as slow learner. And those who score more than 60% and have a capacity and willingness to do additional activities, are categorized as advanced learners.

1. Special programmes for advanced learners

Institute encourages advanced learners to participate in following activities.

- International and National level competitions

- Internships
- External projects at Industries
- Paper publication in national and international conferences
- Paper publication in national and international journals

### 1. Special programmes for slow learners

In order to assist the slow learners, remedial classes are conducted. Teacher discuss important portions for improving their understanding of subject concepts in the remedial class. The proper remedial class time table for all subjects in a semester is made and displayed on the notice board. The attendance of all such students is taken and recorded. The details of the remedial class sessions conducted are recorded in the course work file of the respective subject. The remedial class helps student in understanding and passing the end semester examination.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZfyhfvUPWhOobKQBq6S1mEBHfAQY-ZqPVesnx38jZuE1g?e=ZFctor">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZfyhfvUPWhOobKQBq6S1mEBHfAQY-ZqPVesnx38jZuE1g?e=ZFctor</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
1660	112

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

Outcome Based Education, a student centric learning process was introduced during academic year 2014-15. In professional education the major focus is on knowledge, skill and attitude. Knowledge is mainly dealt through classroom teaching. Skill and attitude building are targeted through participative, experiential learning.

**Experiential Learning:**

- A lot of scope for experiential learning is provided through the revised curriculum which includes skill-based laboratories, mini projects and major projects.
- Students are encouraged to undertake internships that gives an experience of working in a company environment.

**Participative Learning:** It is exhibited by following practices:

- Students learn many aspects by participating in events or activities as stated below-
- Technical competitions
- Technical paper presentation
- Attending seminars/workshops
- Students organize co-curricular and extra-curricular activities.

**Problem Solving Methodologies:**

- Curriculum content of few courses of design domain deals with attempting solutions to specific problems. The process includes:
  - Identifying the need
  - Converting the need into a problem statement



- Identifying alternative solutions to the problem
- Selecting the final solution
- Building and testing the model
- Documentation
- The above-mentioned process is followed in mini projects and major projects.
- Students are encouraged to work on need-based projects at Department, Institute or University level.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZz7rnJAEQtKnhReLFydvrsBpVFQwGeQ_Ezx5GsJOB1LBg?e=4NOaiK">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZz7rnJAEQtKnhReLFydvrsBpVFQwGeQ_Ezx5GsJOB1LBg?e=4NOaiK</a>

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

In academic year 2021-22, partial period was under influence of pandemic. So, institute opted blended mode of teaching. To make online classes more effective, institute adopted common MS-Teams platform. For students who couldn't join the offline classes had an option to attend classes online. All teachers used various ICT tools applicable as per the course requirement to make it more interesting and interactive. The various ICT tools adopted by teachers are as follows

- Power Point Presentations including animation and simulation
- Videos
- To assess students understanding regular quizzes are conducted

using platforms such as Google form, MS-forms etc.

- Academic Performance monitoring System
- Learning Management System
- e-White Boards/ Digital Writing Pads
- Simulator/Emulator software
- NPTEL/ Online courses
  
- Flipped Classrooms

E-resources which are subscribed by the institute are

- E-Library
- IEEE-IEL Online e-Journals=505
- Conference Proceedings=31259
  
- Standards=4093
- ASME (American Society of Mechanical Engineers) E-Journals=30
- Springer e-Book Titles=1890

Later as the situation came back to normal, the teaching was carried out offline in classrooms, still using ICT tools effectively.

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

80

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

112

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

26

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

1207

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.

- The scheduling and frequency of all internal assessments are planned before beginning of every semester. To bring more transparency, Academic Calendar is uploaded on website and made available to teachers and students.
- The various compulsory tools and their frequencies of internal assessment are given below
- Assignment tests (twice in a semester)
- Internal assessment test (twice in a semester)
- Practical (weekly)
- Preliminary Examination (once in a semester)
- The various optional tools and their frequencies of internal assessment are given below
- Assignments (As per course teaching plan)
- Tutorials (As per course teaching plan)
- MCQ (As per course teaching plan)

- Seminar/Presentations (one or two times in a semester)
- Mini Projects (As per requirement of course)
- In normal circumstances theory part of assessment is done in physical mode. During the pandemic situation entire teaching and examination is conducted in hybrid mode- online and offline as per the University guidelines.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EXM8ADrUF3lJhaxnHgSEAOABVoJ7u-47hiisW8-KtmWV_g?e=hObyLp">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EXM8ADrUF3lJhaxnHgSEAOABVoJ7u-47hiisW8-KtmWV_g?e=hObyLp</a>

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

**1. Grievances under Continuous Internal Assessment:**

- The assessed answer papers are shown to the students for the verification and any grievance is redressed immediately.
- To address the grievances related to malpractices during Internal Assessment, internal Grievance redressal committee is existing.

**2. Grievances under End Semester Examination:**

- In Mumbai University, conduction, assessment and result declaration for first and final year examination is done by Mumbai University. The second- and third-year examinations are conducted by Institute on behalf of university.

**1. Grievances in conduction of examination**

- If any student is found indulging in unfair means during examination, the Examination committee follows a proper process of registering case. The committee seals statement of student, junior supervisor, etc. along with confiscated unfair means material and answer book.
- Further the University Unfair means committee conducts hearing after the scrutiny of unfair means material and recommend penalty as per the university ordinance.

### 1. Grievances in assessment

- Student can apply for photocopy of Answer books. If they found any part of answer is not assessed or wrongly assessed he/she can apply under grievance. If found correct, the Examination section either at University or Institute may take appropriate measures and accordingly communicate to student.

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

## 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.

**Programme outcomes:**

The statements of the POs are adapted from the NBA SAR-Annexure I.

**Programme specific outcomes:**

Program Specific Outcome (PSO) statements for all programs, were drafted based on guidelines from SWOT analysis by DWC (Department Working Committee) and approved by DAB (Department Advisory Board). The DAB consists of the representatives from all the stakeholders, such as students, parents, alumni, industries, and academia. PSOs

are disseminated to the stake holders through the following channels:

1. Institute Website (<https://www.fcrit.ac.in/academics/under-graduate/mechanical>)
2. Department Notice Board
3. Laboratory Notice board
4. HOD Cabin
5. Course Booklet Given to students at the start of semester

Course outcomes:

Course outcomes (COs) are stated for all courses in clear statements of what a student should be able to demonstrate upon completion of a course with respect to knowledge and skills.

Around six Course Outcomes (COs) for the theory and around four COs for the laboratory related courses are framed in consultation with module coordinators. Guidelines to frame Course outcomes are given in OBE booklet. Course outcomes are disseminated to the students in following way

1. Course Booklet
2. During the first lecture of every semester
3. Laboratory Continuous Assessment format.
4. Laboratory Notice Board

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

#### Course Outcome Attainment

The course outcome attainment is done in two parts: Internal Assessment and External Assessment with the weightage being 60% and 40% respectively.

- Internal Assessment (60%): Internal Assessment is done on the basis of direct and indirect evaluation with a weightage of 80% and 20% respectively.
- Direct Evaluation (80%) displays the student's knowledge and skills from their academic performance and is evaluated with minimum two tools which are selected from Continuous Internal Evaluations (CIE) such as class/assignment test, internal assessment tests, assignments, seminars, laboratory assignments/practicals, mini projects, etc. with 80% weightage and preliminary examination with 20% weightage.
- Indirect Evaluations (20%) includes course exit survey which is taken upon completion of the course.
- External Assessment (40%): The external evaluations include End Semester Examination (ESE) conducted by the University.

Program Outcome (PO) and Program Specific Outcome (PSO) Attainment

Attainment of Program Outcomes and Program Specific Outcomes are mainly done by using Direct and Indirect Assessment methods. The weightage for Direct and Indirect Assessment are 80% and 20% respectively

- Direct Assessment is derived from CO attainment from all courses based on CO-PO mapping.
- Indirect Assessment is carried out by using Program Exit survey and Co-curricular and Extra-curricular survey.



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

### 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

352

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="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWJ41kfUPxBElFhs7gOfHuABuyuyI4LOm5vtnnF4hwH4sKw?e=OxZnca">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWJ41kfUPxBElFhs7gOfHuABuyuyI4LOm5vtnnF4hwH4sKw?e=OxZnca</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://fcrit.ac.in/static\\_pdfs/SSS.pdf](https://fcrit.ac.in/static_pdfs/SSS.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)

0.38964

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

12

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

1

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://www.tifr.res.in/">https://www.tifr.res.in/</a>

## 3.2 - Innovation Ecosystem

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

### Incubation Centre

- Fr. C. Rodrigues Institute of Technology, Vashi, has a separate Incubation centre, named as Centre for incubation and business acceleration (CIBA). It includes members from academic Institutions, Entrepreneurs and Industrialist.
- FCRIIT has established Institution's Innovation Council (FCRIIT-IIC) as per the guidelines of 'MoE's Innovation Cell (MIC)' to create a vibrant local innovation and start-up ecosystem, to facilitate the Pre-incubation and Incubation facilities for the students.

#### Other initiatives for creation and transfer of knowledge

- Institute is recognized as Research center by University of Mumbai in Mechanical Engineering, Electronics and Telecommunication Engineering and electrical Engineering. We have 8 research guides that help in developing research projects.
- Laboratories are well equipped and provide an adequate infrastructure required for research.
- The library is well equipped with reference books and standard National, International Journals and e-Journals for an extensive literature review. Our research scholars and students have access to IIT Bombay Library through annual membership.
- The institute provides a budget for research and development activity, which help in funding for research work, publications and travel for research activities.
- Industry related projects are undertaken by students and completed in the institute. The institute caters consultancy projects for research and development.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EREXTWWwG2tLjklVlXekbcBxfSaspUHSGBtQT03MAJsQw?e=JpaGO3">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EREXTWWwG2tLjklVlXekbcBxfSaspUHSGBtQT03MAJsQw?e=JpaGO3</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

05

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

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

5

File Description	Documents
URL to the research page on HEI website	<a href="https://www.fcrit.ac.in/research_publication_home">https://www.fcrit.ac.in/research_publication_home</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	<a href="#">View File</a>

#### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

13

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>

**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****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**

69

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>

**3.4 - Extension Activities**

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 Institute involves the faculty and students in various community activities to help them learn ethical values and understand their responsibilities towards society for their holistic development as an individual. The Institute has registered National Service Scheme (NSS), Unnat Bharat Abhiyan (UBA) and Ek Bharat Shrestha Bharat (EBSB) cells with enthusiastic student coordinators.

NSS FCRIT has organized activities like Child Abuse Seminar, Road Safety Seminar, Blood Donation Camp, Organ Donation Awareness, Cleanliness Drive etc. NSS has provided awareness on health, nutrition, animal welfare, waste management and recycling. To understand the importance of good health, and to start their new year fitness journey, health and fitness workshops were organised. RUCO webinar was arranged to give awareness of adverse health effects caused due to cooking oil. The Animal Welfare Club of NSS has created a general awareness among students by making a Bird

Feeder at their home and offering seeds to birds in their terrace, windowsill, balcony or garden. The Green Initiative club of NSS unit encouraged Mangrove Cleaning and waste management. Stem Education was organised to provide knowledge of basic components of electrical circuits.

EBSB cell has organised Slogan Writing Competition, Logo Designing Competition etc. for India Semiconductor Mission.

File Description	Documents
Paste link for additional information	<a href="https://www.fcrit.ac.in/student_corner">https://www.fcrit.ac.in/student_corner</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

1

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

42

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
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

2526

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

11

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

Institute campus was established in 1994 and is spread over 6.84 acres' land. The available carpet area for Main building is 4324.07sq. m. and for Annex is 9990 sq. m. Total carpet area belonging to FCRIT is 14,314.07sq. m.

#### Main building :

Administrative offices, IT, Humanities and Basic Sciences Department and FCRIT library are located in the Main building.

#### Annex building :

General workshop and Machine shop, Mechanical, Electrical, EXTC, Computer Department and CIBA, Boys & Girls common room are accommodated here.

#### Class Rooms:

Institute has 26 UG classrooms, 4 UG tutorial rooms, 8 PG class rooms, & 3 seminar halls, which are well furnished, well ventilated, and equipped with LAN enabled internet connectivity and are provided with LCD projectors and Laptops/PC. Five class rooms are having smart board facility.



**Laboratories:**

Institute has 53 Laboratories which are well equipped and well maintained. It has an exclusive Language Lab to cater to the enrichment of communication skills. Total, there are 750 computers with internet facility (speed 170 Mbps), 33 legal application software's, 6 legal system software's, and 81 printers are available.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ESTsDRlUI45DkNZuibzFVmeBgRS8TFU200N_99p0rPxT0A?e=yh9IJy">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ESTsDRlUI45DkNZuibzFVmeBgRS8TFU200N_99p0rPxT0A?e=yh9IJy</a>

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

Institute is committed to create a balanced experience of academics, cultural and sports activities for overall personality development of students. Our trust has established facilities for sports and cultural events shared are as all the institutes in the campus. Area of 42,199 sq. m. and 2400 sq. m. are available for outdoor and indoor sports, respectively. An open space of 537.8 sq. m. is used to conduct cultural activities.

**Sports Activities:**

A playground for outdoor games like cricket, volleyball, basketball etc. are available. Agnel Badminton Academy located on the 7th floor of Annex building has 4 badminton courts of international standards. This Academy has tied up with Badminton Gurukul, an initiative of Shri. Pallela Gopichand. Same facility is converted into an auditorium when needed. Institute organizes yoga classes by experts for the faculty and students.

**Cultural Activities:**

Institute conducts cultural activities every semester under "ETAMAX" and "FACES". Street Play competitions are held to create awareness about social issues. Students participate in regional level, inter collegiate competitions, debate competitions, traditional days exhibiting the diverse cultures.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EROfrFt5PmZPhtjZn5-k2GYBNjO3FInVHPqS6fJE9ID8JQ?e=lvzsNE">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EROfrFt5PmZPhtjZn5-k2GYBNjO3FInVHPqS6fJE9ID8JQ?e=lvzsNE</a>

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

29

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Eft1KOxVw9NGrYJjK KM0QwBEVypO1DZz3vsNpr2UfM7Ng?e=KHopcV">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Eft1KOxVw9NGrYJjK KM0QwBEVypO1DZz3vsNpr2UfM7Ng?e=KHopcV</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)

116.91354

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

Name of software: Library Management System

KOHA Library management system is customized on KOHA platform.

The Library is providing access to Online Public Access Catalogue (OPAC).

Through OPAC

- Students and faculties can make search by author, title, subject within the campus.
- Students and faculties can access e-books within campus
- Students and faculties can access IEEE Journal within campus

For the years from 2013-2014 to 2016-2017 there was an In-house software LRMS (Library Resource Management Software) with the version VB6 SQL Server. Institute started using ILMS from 2017 onwards.

Nature of automation (Fully or Partially): Fully Automated

Library is fully automated through KOHA Library management system. Transaction of books is based on barcode on student's I-cards and barcode on books. Barcode scanners are available at the circulation section to scan the barcodes of books as well as student's I-cards to make Issue and return the books. Cataloguing of books and report generation is done through the system.

Version: KOHA Library management system (18.11.02.000)

Year of Automation: 2017

Total collection of the library is 23425 which includes textbooks and reference books. We subscribe print journals and magazines and e-journals (IEEE and ASME) and e-books (Springer e-book).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://fcrit-my.sharepoint.com/:f:/g/personal/igac_fcrit_fcrit_ac_in/EmfwR4MxIepFmy6CSga9vcEBJpMw_uiLTOWrtlfCg7GeXw?e=DN5itA">https://fcrit-my.sharepoint.com/:f:/g/personal/igac_fcrit_fcrit_ac_in/EmfwR4MxIepFmy6CSga9vcEBJpMw_uiLTOWrtlfCg7GeXw?e=DN5itA</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**      **B. Any 3 of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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)**

**16.00528**

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

**46**

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

IT facilities including Wi-Fi with date and nature of updating is described here.

- LAN facility & Hardware Details:

1. Institute has a campus-wide networking provided to all the buildings through structured cabling and particularly with Wi-Fi facility. Bandwidth of the Internet connection in the Institute from year 2017-2020 was 100 Mbps and in year 2021 it was 170Mbps.
2. Server room is upgraded in 2017 with latest High configuration R530 servers. Hyper-V and VMware are used in the server side for hosting application services and web servers. 0365 Mail-services are used by Faculty and students for internal communication. As on date, there are thirty-six manageable switches, two layer 3 switches.

- Wi-Fi facility:

1. Wi-Fi facility exists in the campus since year 2006.
2. 17 new APs were configured in the year 2019. All Wi-Fi Access points work on the new standard IEEE 802.3af PoE (Power Over Ethernet) promising data rate of 450Mbps.

- Licensed Software:

1. The institute holds licenses for 33 application software. Few of them are: MATLAB, Simulink, Xilinx, Proteus, IE3D, Ansys HFSS 19R2 (Research package), Ansys 18, Labview, PLC, AutoCad,

PS -SINCAL.

2. Institute has licenses for Operating System such as Microsoft Campus agreement license and Microsoft Perpetual licenses.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/person/al/iqac_fcrit_fcrit_ac_in/EaE7g05XOSNIqRj1VO1MaOABRBpjxxmOMPT4ASN3YmP8Xg?e=84wD8j">https://fcrit-my.sharepoint.com/:b:/g/person/al/iqac_fcrit_fcrit_ac_in/EaE7g05XOSNIqRj1VO1MaOABRBpjxxmOMPT4ASN3YmP8Xg?e=84wD8j</a>

#### 4.3.2 - Number of Computers

750

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 A. ? 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)

306.07535

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

Institution has structured system for maintenance and utilization of infrastructure to facilitate effective teaching-learning along with co-curricular and extracurricular activities to ensure overall development of students. Various committees are constituted to monitor the maintenance of physical, academic and support facilities given below.

#### Academic and support facilities

Laboratories and Classrooms are maintained at department level.

Computers: Institute website updating and LMS Server maintenance is handled by system administrator.

Portal maintenance: \* library Portal - Librarian and team

\*LMS - Teacher In-charge

\*APMS - computer department faculty

Cafeteria: Agnel Trust has constructed new cafeteria for our students. It is spacious and well-ventilated providing refreshments to students all throughout the day

Support facilities, Security, etc.: The Sports facilities are maintained by the sports in-charge.

Institute has several CCTV cameras installed at premises which are regularly monitored and maintained by the system administer, well maintained toilets (including for physically challenged persons) are available. The rainwater harvesting facility facilitates water requirement for gardening purpose. The generators, maintained by the electrical maintenance team, are provided in the campus to take care

of any electricity failures, ramp facilities for the handicapped student's.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EO4ky5wTZclEtHxvNP6iUpAB5s0kj8BU2TZWrKy4Bp10lA?e=z3VspG">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EO4ky5wTZclEtHxvNP6iUpAB5s0kj8BU2TZWrKy4Bp10lA?e=z3VspG</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

**5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

**5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

414

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

**5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**

**5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

20



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**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. 3 of the above**

File Description	Documents
Link to Institutional website	<a href="https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/Ei6eaOYmV8pPsoniCbJs2d0BKGoga3EgnU1OgRBIg8TTZw?e=4l8YoT">https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/Ei6eaOYmV8pPsoniCbJs2d0BKGoga3EgnU1OgRBIg8TTZw?e=4l8YoT</a>
Any additional information	<a href="#">View File</a>
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**

**975**

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

**975**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited 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	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 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

232

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

25

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

51

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
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.

03

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 )

There are various bodies that are fully managed by students listed as follows.

1. Student Council
2. Students Department Association's
3. Students' Chapter of Professional Society's
4. Various Students' Clubs

Students are representing in various statutory committees.

1. College Development Committee (CDC)
2. Internal Quality Assurance Committee (IQAC)
3. Internal Complaint Committee (ICC)
4. Anti-Ragging
5. Department Advisory Board (DAB)

The Student Council is led by General Secretary ensuring they work as one team. The Ladies Representative helps in organizing activities for girls. The sports secretary organizes mock tournaments; practice sessions and coordinates their participation. The cultural secretary organizes various cultural activities & competitions with the help of faculty respectively. GS and LR are also part of the CDC. Students are part of various institute-level clubs. An active editorial body develops the bi-annual college e-newsletter. The magazine secretary along with its team publishes a multilingual college magazine and the students perform the duty of collecting the material, editing, designing, and publishing. Students are also part of DAB, give active feedback in teaching-learning method, gap identification syllabus, academics, and infrastructure. Students are members of departmental associations

professional bodies. The student representatives help Training & Placement Officer to organize various placement activities.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EUJgLAqMPEtKjH6a9d6_7QkBwugXAIGbkBqOfxtTBB00FA?e=dS7aFx">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EUJgLAqMPEtKjH6a9d6_7QkBwugXAIGbkBqOfxtTBB00FA?e=dS7aFx</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

67

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

Fr. CRIT ALUMNI ASSOCIATION (FRAMES) was registered as a trust under society registration act 1860 on 9th July 2008. FRAMES contributes largely in various academic bodies, student support as well as in the mobilization of resources - both financial and non-financial.

The institute involves the alumni in its educational and research activities wherever possible, by inviting them for the following activities:

- participate on advisory boards
- for taking expert lectures for students
- as guest speakers for training programs
- for assistance in placement/internship related activities
- consultancy services
- as industry experts to evaluate projects

Guest lectures are conducted by our Alumni every year, that's gives an insight of the industrial world.

Association sponsors prize for sports activities and also for technical events during college fests. FRAMES sponsors Young Researcher Award during International conference ICNTE organized by institute. Also arranges placement related talk by eminent personalities.

Alumni are part of departmental advisory board and have active participation in the departmental development activities as well as have an active role in suggesting changes in the existing curriculum. Regular feedback is taken from alumni to help in the overall development of students. Sharing their professional experience makes students aware of recent trends/ technologies in the industry.

File Description	Documents
Paste link for additional information	<a href="https://www.fcrit.ac.in/alumni_home">https://www.fcrit.ac.in/alumni_home</a>
Upload any additional information	<a href="#">View File</a>

#### 5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <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

#### Vision

To evolve and flourish as a progressive centre for modern technical education, stirring creativity in every student leading to self-sustainable professionals, through holistic development; nurtured by strength and legitimate pride of Indian values and ethics.

#### Mission

- To provide industry oriented quality education.
- To provide holistic environment for overall personal development.
- To foster relationship with other institute of repute, alumni and industries.

The institute works under well-defined administrative structure. The governing council of the institute has ultimate authority and governing council guides in achieving the vision and mission of the institute.

The Principal is the leader of administrative system of the institution, who with the approval of governing council may create various posts for effective administration of the institute.

Apart from the heads of department few deans posts are created at the institute level such as academics, student affairs, research and development, post-graduation studies, faculty, Faculty in charge of Training and Placement, Controller of Examination and IQAC coordinator. The Principal conducts regular meetings with HODs and Deans to discuss the smooth functioning of academics, research activities in college, development of students and faculty etc. The Principal in co-ordination with Deans and HODs ensures effective implementation of academic activities.

File Description	Documents
Paste link for additional information	<a href="https://fcrit.ac.in/about-us/dean#list">https://fcrit.ac.in/about-us/dean#list</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.

#### Exam Cell:

Institute is affiliated to University of Mumbai wherein, the examination conduction, assessment, result preparation and declaration of second and third year are managed by exam cell on behalf of university.

Exam cell consist of a controller of examination (COE), a department coordinator from each department, two clerk and peon. The COE has authority to take decision to plan and implement examination related activities like, examiner's appointment, evaluation, result processing, student's grievance and recommend to the principal for the further action if required.

The faculty members from various department works with the coordination of respective department coordinator. Exam conduction are carried out by a team consisting teaching and non-teaching faculties. Similarly, Oral/Practical examination are conducted by individual department which is planned and managed by co-ordinator and a team of teaching staff and non-teaching staff. The marks entries of all subjects are done by clerks in the IT enabled result processing module and verified by the inter department coordinators. This entire process is a model for decentralization and participative management, wherein all responsible teams play a role in planning, executing and monitoring of process for effectively completion of entire process as this broader framework put in place.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EVbLceXNbihMpuEjUgUySh0BmQb7VNfqMumSSD5SzqeAUg?e=uXxcy3">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EVbLceXNbihMpuEjUgUySh0BmQb7VNfqMumSSD5SzqeAUg?e=uXxcy3</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

Engineering education is of vital importance to people everywhere and is central to enhanced living standards, healthier lives, and more sustainable environments. To keep up with the fast pace of technological change, the FCRIIT's graduates become lifelong learners



who recognize the need to refine their skills and to “reinvent themselves” as needed to pursue new areas of research, design, and problem solving. Strategy plan is prepared to become autonomous institute within five years to deliver quality education. Autonomy helps to accelerate the attainment of above mentioned goals, which are in consistence with our vision. Therefore, institute has prepared a strategic plan to become autonomous, which involves various initiatives such as,

- Upgradation of faculty qualification and skills.
- Upgradation of infrastructure.
- Collaboration with various industries and reputed institutes.
- NBA Accreditation for all the UG Programs.
- NAAC accreditation of the Institute.
- Permanent affiliation of the institute with Mumbai University.
- Registration under UGC act.

Application for autonomy will be submitted only after registration under section 2F and 12B of UGC act, which is under process.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ESj5j_I56MxLqm_pG98zeZoBiIb5WyqTTClKzAHakssThg?e=qyilXt">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ESj5j_I56MxLqm_pG98zeZoBiIb5WyqTTClKzAHakssThg?e=qyilXt</a>
Upload any additional information	<a href="#">View File</a>

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.

**Describe the Organogram of the Institution within a maximum 200 words**

Strategy development is an important aspect and the same is

developed through a strong administrative setup. Principal, Head of the Departments, Deans , Controller of Examination and IQAC have adequate participation in making decisions and executing academic and administrative processes under their purview.

The Governing Council of the institute gives final approval to policies approved by CDC which are proposed by the resolutions passed in meetings of Principal, Deans and HODs. The Governing Council administers implementation of some policies. The general academic and administrative set up is headed by the Principal and take necessary actions in day to day activities of the institute in consultation with the HODs and Deans.

There are various bodies/committees to monitor the activities in the institute. They are

#### General Academic committees

- Library committee.
- Admission committee.
- Unfair means committee.

#### Department wise committees/boards

- Department Working Committee
- Department Advisory Board
- Industrial Advisory Board
- Department Quality Assurance Cell

In addition to the above mentioned administrative set up and committees, every department has in-charges/coordinators.

- Class teachers
- Time Table coordinator
- Project coordinator
- Exam cell coordinator.

- Coordinator for different professional student chapter/ association.
- Coordinator for FACES (Institute Sports and cultural festival).
- Coordinator for Eta-Max (Techno cultural festival).
- Alumni coordinator.

File Description	Documents
Paste link for additional information	<a href="https://fcrit.ac.in/about-us/committee">https://fcrit.ac.in/about-us/committee</a>
Link to Organogram of the institution webpage	<a href="https://fcrit.ac.in/about-us/committee">https://fcrit.ac.in/about-us/committee</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	<a href="#">View File</a>
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

- Institute admission provided for staff members children in our school managed by trust with concession in fees from 25% to

100% based on cadre.

- Concession in fees for higher education as per norms set by government of Maharashtra in the institute managed by the trust.
- Sponsorship for higher studies with full pay.
- Registration fee upto 6000/- and third-AC, to and fro rail-fare to attend the short-term training programs/conferences in India. However, full registration fee and one-way air-fare given to the faculty members traveling abroad for attending the conferences.
- Group Personal Accident policy (TATA AIG General Insurance Company Ltd., Policy No. 0236871027) which covers accidental death (Rs. 1 lakh), permanent total/partial disability (Rs. 1 lakh), and medical expenses (up to Rs. 20,000/-)
- The gratuity is implemented under LIC scheme to the eligible staff members.
- The interest-free loans are given to the needy staff members.
- A well-equipped medical health center with on-call doctor.
- Limited in-campus accommodation is provided to the staff members on concessional rents.
- Provision of R&D fund of Rs. 2 Lakh to each department on yearly basis.
- The professional memberships/ Journal subscriptions of faculty members are financially supported up to Rs.7000/- for their outstanding contribution to the development of institute.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EaPikTdav0lEnOx05Kk14R0B2sizdV0cGo2XTaSya02TLA?e=i3UpPn">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EaPikTdav0lEnOx05Kk14R0B2sizdV0cGo2XTaSya02TLA?e=i3UpPn</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

28

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

03

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

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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

Institute follows a well-defined and framed model of performance appraisal system namely Academic Performance Indicator (API) by UGC.

In Category-I, the teaching staff appraisal is carried out based on the teaching, learning, and evaluation related activities like, teaching contact hours, syllabus enrichment, participatory and innovative teaching-learning methodologies, and examination duties.

In Category-II, the assessment based on co-curricular, extension and professional development activities like, student related co-curricular, contribution to corporate life and the department management, and professional development.

In Category-III, Research and academic contribution of the teaching staff is measured for the research papers published in refereed journals/conferences, book chapters, consultancies, research guidance and training courses.

The other performance appraisal criteria based on students' performance and feedback is also considered, where students attendance, result performance and students assessment based on overall effectiveness of teaching.

For non-teaching staff, the assessment based on the feedback from the teaching staff conducting practical are carried out. The performance is determined based on lab maintenance, equipment management, contribution towards project work and assembly.

All the above criteria are assessed by HOD and Principal based on the evidences provided and feedback collected from students. The copy of the same is given to Managing Director for further review.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EUZk1DMdPG9LouoIYznTqH4BZ42ODFa9qJq5quZKEHYUEw?e=NeLOwc">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EUZk1DMdPG9LouoIYznTqH4BZ42ODFa9qJq5quZKEHYUEw?e=NeLOwc</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

Our trust, Agnel charities, is known for transparent and clean financial processes and systems. There is a well-known process for sanction of budget to expenditure. Our trust runs many institutions across India and each institution has its own Governing Council, College Development Committee as per the statutory requirements.

In addition to these each campus has a local committee comprising of Managing Director, Management representatives and Institute heads. This committee plays a role in recommending the budget and expenditure to the Governing Council for approval. As institute follows the proper process for expenditure, wherein the bill/vouchers recommended by the head of the departments are approved by the Principal and Managing Director. All bills/vouchers verified by internal accounts staff on a routine basis.

An external auditor appointed by the trust executes the statutory audit. The statutory financial audit is conducted in two sessions, one in the month of December/January and second in the April month for the remaining period. Finalization of the account is completed in May/June and audited statements are prepared in June/July duly signed by Managing Director, and chartered accountant. The objections are rectified by the statutory auditors if any and minor audit suggestions are compiled as per the procedure

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Eb_bP6XqaixCtBeImSaJZKUBKYK2dpS5jJph6VOw0PiTzA?e=G4N89a">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Eb_bP6XqaixCtBeImSaJZKUBKYK2dpS5jJph6VOw0PiTzA?e=G4N89a</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)

3.528

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
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

The college has a well-formulated financial policy which ensures effective mobilization and optimal utilization of finances for academic, administrative and development purpose. Institute has made the necessary provision for efficient and effective use of available funds for each academic year.

The primary fund required for the development of the institute along with the day to day expenditures comes from tuition fees and development fees paid by the students. Other funds for the institute is generated through industrial consultation, research fund, MODROBS from government organization and universities.

However, when there is a shortage of funds or requirements of building physical infrastructure, Agnel Charities' trust supports the institute. The Principal and the Head of Departments discuss the requirement and decide the priorities while allocating available financial resources for various purposes. The recommendations made



by the head of the institute are normally approved by the Managing Director and local committee, which is submitted to the governing council for final approval.

In addition to the above mentioned resources for various activities undertaken by students are also supported by sponsorships through well-wishers, professional societies, industries, etc.

File Description	Documents
Paste link for additional information	Nil
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

### Practice 1: Course Audit

To enhance quality of teaching-learning process, IQAC has implemented academic course audit and laid down the guidelines for evaluation. Each faculty member prepares a course file to bring effectiveness in planning and delivery of course, which in turn is verified by DWC at the end of every semester. Faculty takes the corrective measures immediately or during next cycle on the basis of remarks given by audit members of DWC. Subsequently DQAC and IQAC conduct course audit as part of academic audit to verify the processes implemented for effective teaching learning. The course audit team members communicate the necessary improvements, if required.

### Practice 2: Ensuring question papers quality

The objective of this practice is to improve quality of question papers. Individual faculty members set the question papers for the subjects they are teaching based on the common guidelines given. The question papers are submitted to DWC through the Module coordinator to assess quality. The question paper quality is ensured on the basis of Blooms Taxonomy, and framing challenging/new questions according to CO. The respective staff members submit the revised and original question paper to the module coordinator. This process helps in improving quality of question papers.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQyJGZPIOGRNj_oOCDMN-dIBjphYT3xLYizVneQwVjOELg?e=ujl12f">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQyJGZPIOGRNj_oOCDMN-dIBjphYT3xLYizVneQwVjOELg?e=ujl12f</a>
Upload any additional information	<a href="#">View File</a>

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

The institute continuously reviews teaching learning processes and brings the reforms as and when required. Two such reforms and its review process are mentioned below.

#### Example 1: Guest lectures to address the content beyond syllabus

The faculty members identify the curriculum gap in the respective subjects and arrange the guest lecture from Alumni (from the same domain). The content of the guest lecture are mainly beyond the syllabus and it provides exposure to the industrial requirement. It also helps students to know the latest development and the necessary skills required in the said domain. This process helps to bridge the gap between the academia and industry.

#### Example 2: Attendance monitoring through APMS

The attendance of all the students throughout the semester are continuously monitored by the respective department. The class teachers obtain the cumulative attendance and the defaulters list on every fifteen days from APMS portal. The class teacher discuss the attendance status with Head of the Department. The special cases are dealt with the Attendance Monitoring Committee at the institute level every month. The parents are updated about the attendance status of their wards. The APMS portal helps in continuous monitoring of students attendance throughout the semester.

#### Example 3: Remedial Classes

The faculty members identify the weak students from the process of continuous assessment during the semester and to improve the quality of those students the faculties are conducting remedial classes to improve the performance of those weak students in end semester exams

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EVB1NlPc_7ZApTQy23okK8oBQS365LYAiwQtFPPrvWurUw?e=diX7TE">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EVB1NlPc_7ZApTQy23okK8oBQS365LYAiwQtFPPrvWurUw?e=diX7TE</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="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWJ41kfUPxBElfHs7qOfHuABuyuyI4LOm5vtnnF4hwH4sKw?e=QxZnca">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWJ41kfUPxBElfHs7qOfHuABuyuyI4LOm5vtnnF4hwH4sKw?e=QxZnca</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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

The Institute is keen to provide facilities for women on campus in terms of safety, security, counselling and separate common rooms for girls & boys.

Following programmes were organised to promote gender equity, on the online/ offline platform to reach out to a large audience .

1) SAMVAAD 2021:

An Oxford Format Debate Competition, "SAMVAAD, the annual intercollegiate Debate Competition, was conducted on February 26 -27,2022 in Online mode.

2) Workshop on Emotional Intelligence:

This online event was arranged in collaboration with IITB, Abhyuday on 22nd January 2022 by the speaker Dr. Era Dutta, Consultant Psychiatrist, Therapist, Life wellness coach.. Topics discussed were Emotional well-being & emotional health

3) Self- defence Workshop :

The NSS unit, FCRIIT conducted this workshop on 4th March 2022 at 4:30-6:00pm under the guidance of instructor, Avdhut Shelar who demonstrated the techniques and were practised by the volunteers , especially female students.

4) Women's day celebration & Talk on Women's health-

This was organised on 8th March.2022 with the objective to introduce the Institute level Committee: ICC- PPSHWS to the newly admitted students and celebrate womanhood with some valuable talk on Women's Health by the expert,Dr. Mini Nampoothiri, Obstetrician and Gynaecologist, Apollo Hospital.

File Description	Documents
Annual gender sensitization action plan	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Eeh00Qs2f-lAnaKuzhObjpAB-iy6U5QYvrWGcSXyAEghGg?e=3HrBSf">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Eeh00Qs2f-lAnaKuzhObjpAB-iy6U5QYvrWGcSXyAEghGg?e=3HrBSf</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="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EcJc6V6OMzpLqK2KxDjWYLkBX-1_p2IcErkruEpbZUbIoA?e=SCc0qA">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EcJc6V6OMzpLqK2KxDjWYLkBX-1_p2IcErkruEpbZUbIoA?e=SCc0qA</a>

**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/**

**A. 4 or All of the above**

**power efficient equipment**

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

The institute has set up various plants in the campus to adhere to the need of efficient waste management for degradable & non-degradable waste generated in the institute.

The following are the details of the same-

**1) Solid Waste Management:**

The solid waste (wet & dry waste separately) is collected by NMMC on a regular basis.

**2) Liquid Waste Management & water recycling system:**

There are a total 4 plants through which water waste is converted into clean water. This clean water is mainly used for gardening and flushing in the washroom. These plants are located inside the campus.

**3) E-waste Management:**

The students as well as staff members of the institute have organised E-waste collection drives throughout the year to spread awareness about the correct disposal of electronic items thus helping in pollution control. The wholehearted participation of all the students & staff resulted in collection of 147 kg E-waste which was later sent to Envirocare Recycling Pvt. Ltd., Jogeshwari for further recycling.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
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:** **B. Any 3 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	<b>No File Uploaded</b>
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	<a href="#">View File</a>
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 Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

**A. Any 4 or all of the above**

**5.**

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	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<b>No File Uploaded</b>
Any other relevant information	<a href="#">View File</a>

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).

**The institute is proactively organising various activities, events to provide an inclusive environment. The NSS unit of the institute has taken up the step ahead to initiate various programmes through online/offline mode to reach out to maximum people in the pandemic & post pandemic period.**

To name a few major activities

- Poster competition on World AIDS Day
- Animal Welfare Awareness Quiz
- Webinar on Food-Planet-Health
- Awareness seminar on a diet based on naturopathy and yogic philosophy
- Poster making competition on national unity day
- Webinar on RUCO Repurpose Used Cooking Oil
- Blood Donation poster making competition, Eye Check-up activity, Organ Donation Awareness activity
- Selfie With Medicinal Plant
- Health Check-up Camp for Children & Senior Citizens
- Making a Bird feeder activity
- Poster competition on Conserve Water etc.

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

To adhere to the need of sensitization of students & employees, to make them responsible citizens ,the following activities were organised in the institution:

- Unleash the Idea with Incubation and Startup Ecosystem
- online Emotional Intelligence workshop
- Induction Programme For F.E. Students
- Voter's Day Awareness Slogan Writing Competition
- Voter's day awareness quiz competition.
- Few faculty members have also completed the 5-day Faculty Development Programme on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE).



File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EU7EtqW8SppOg8sw5dkq4A0BHcinM09HnS76y0zwmccArw?e=iKgZBt">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EU7EtqW8SppOg8sw5dkq4A0BHcinM09HnS76y0zwmccArw?e=iKgZBt</a>
Any other relevant information	Nil

**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** A. All of the above

**4. Annual awareness programmes on Code of Conduct are organized**

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	No File Uploaded

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

#### 1. Independence Day 2021

To commemorate the valour and spirit of the freedom fighters who fought for the Independence of our nation, a small ceremony was organised to celebrate the 75th year of Independence of our Nation. Flag hoisting was done at 8:15am by Father Seby. Father delivered a speech at 8.20am. Followed by two performances by the Drama House and Rhythm. The event was live streamed on YouTube for students and teachers. <https://youtu.be/LAteyijpAvY>. Since the lockdown was still in place, few students and staff members were present at the venue.

All strict lockdown protocol, safety measures and social distancing was maintained at all times.

## 2. Republic Day-2022

Republic Day occupies significant importance in Indian history as India became truly independent and became a democratic republic nation. To commemorate the adoption of the constitution of India, a small function was hosted. The event was live streamed on YouTube for Students and teachers. <https://youtu.be/bclFjeA4ZiA>. Flag hoisting was done at 8:15am by Fr. MARIO PEREIRA. Fr. ALMEIDA'S recorded speech was live streamed followed by two cultural performances.

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	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

### Best Practice-1: Institutional Support for Qualification Enhancement and Skill-Upgradation

#### Objective-of-the-Practice:

- Knowledge-upgradation
- Professional growth
- Acquaintance with present skill-sets
- Enhancing Practical-orientated and Research-based teaching.

#### The-Practice

- Faculty members are sponsored for higher studies.
- Encourages faculty members to attend training programs, NPTEL, Swayam online courses, national conferences and international conferences in India/abroad.
- Motivates faculty members to carry out research work by making budgetary provision.

- Laid down incentive mechanism policy based on individual contribution in various areas.
- Encouraged to generate a roadmap for a duration of five years to enhance growth in their domain areas.

**Best-Practice-2: Integration of IT based Solution for Continuous Evaluation of Students**

**Objective-of-the-Practiceto**

- Develop in-house IT-platform
- Inculcate habit of effective-and-focused learning

**The-Practice**

- Developed in-house IT-platforms named APMS and LMS to convert existing practices into technology-driven-practices.
- Slow-learners are identified and revision/remedial classes are conducted for them. Post remedial classes impact analysis is carried out after the end-semester examination.
- Based on teacher’s observations in class, laboratory etc. fast-learners are identified and encouraged for additional learning as per pre-approved policy-framework.
- Online feedback on Teaching-Learning process is carried out twice in a semester and based on it teachers are asked to prepare action-to-be-taken for further improvement if required/appreciation certificates are given for excellent category.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.fcrit.ac.in/about-us/best_practices">https://www.fcrit.ac.in/about-us/best_practices</a>
Any other relevant information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EalSIBBe0T1PpcFusO4cWSoBOSMnddrxAEFr2D5qdin-Ag?e=2IoENA">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EalSIBBe0T1PpcFusO4cWSoBOSMnddrxAEFr2D5qdin-Ag?e=2IoENA</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 vision of our institute is to 'Evolve and flourish as a progressive centre for modern technical education, stirring

creativity in every student leading to self-sustainable professionals, through holistic development; nurtured by strength and legitimate pride in Indian values and ethics.'

The uniqueness of our institute lies in the systematic and disciplined approach in managing the Teaching- Learning process which is strongly supported by the facilities and infrastructure for the students as well as faculty. The institute is well equipped with all the lab facilities and other infrastructure to assist in the proper and channelised development of Employable Engineering Graduates. We proudly proclaim that we function smoothly on our in-house software infrastructure (like APMS,LMS, ADMS) devised by the faculty and students in collaboration.

Along with discipline and determined attitude, we attach great importance to Moral and Ethical values and a feeling of social responsibility which is evidenced in our daily functioning. 'Vasudhaiva Kutumbakam' is a value we strongly uphold.

We believe that this approach helps us to achieve our mission of developing self-sustainable professionals with ingrained ethics and values, competent to work across the globe.

## 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

The institute plans and develops action plans for effective implementation of the curriculum prescribed by the university.

Various stages of effective curriculum delivery

##### Planning:

- Course allotment is done at the end of every semester for the next semester primarily based on faculty's choice and their domain areas.
- Institute Academic calendar is prepared listing all the institute pertinent activities in alignment with University issued calendar. The departments prepare the academic calendar in adherence to the institute calendar.
- A teaching plan is prepared before the commencement of the semester.

##### Execution:

- Faculty strictly adhere to the teaching plan and any deviation in the plan is recorded.
- All internal examinations are conducted according to the plan. The faculty completes assessment within 10 days from the day of examination.

##### Monitoring:

- The HODs periodically reviews the execution of the teaching plan and monitors the syllabus completion through feedback.
- The departments continuously and effectively monitor the Attendance and Academic progress of all the students.
- Mentoring is conducted to monitor students' academic and any other related issues. A Professional Counselor is accessible at the institute.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.fcrit.ac.in/academics_home">https://www.fcrit.ac.in/academics_home</a>

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

The Institute academic calendar is prepared as per the university guidelines which accommodate the following major activities;

- Date of beginning and end of semester
- Schedule of co-curricular and extra-curricular activities
- Tentative period of various feedback collection
- Tentative period of Industrial visits
- Defaulters monitoring meeting schedule
- Internal Assessment tests (IA) and Preliminary examination dates
- Schedule of term work submission
- Tentative period of practical/oral examination
- Schedule of various academic audits

Head of the department prepares an academic calendar of their departments based on institute academic calendar which includes major additional activities of department and detailed continuous internal assessment plan.

Every faculty prepares course assessment plan on the basis of academic calendar of institute and department. Course assessment plans are also provided to students by faculty.

Academic calendars are uploaded on college website.

Institute strictly follows the academic calendar for conduction of continuous internal assessment such as Internal Assessment Tests, Preliminary exams etc.

All departments strictly adhere their academic calendar in conducting continuous internal assessment such as Assignment Tests, MOCK practical, Project progress presentations etc.

Head of departments monitors conduction of all components of continuous internal assessment and also the outcomes (results) of same on regular basis.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://fcrit.ac.in/academic_calendars">https://fcrit.ac.in/academic_calendars</a>

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

**A. All of the above**

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**

**10**

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

6

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

916

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

#### Response:

The following activities are covered under various categories:

#### Gender:



- Institute encourages and supports all the students irrespective of their gender to participate in various activities conducted at the institute level. Some activities are led by girl students.
- Also, the active participation of girl students in extra and co-curricular activities, sensitizes gender equality.

#### Environment and Sustainability:

- Various courses such as Environmental Studies, Power Plant Engineering, Renewable Energy, Disaster Management & Mitigation Measures, Energy Audit and Management, Environmental Management, etc., in the curriculum, give awareness about environment and sustainability.
- Institute has established the Sustainable Environmental and Ethical Development (SEED) committee which conducts awareness programs.
- Cleanliness activity and Tree Plantation drives are conducted.
- National Service Scheme (NSS) center and Unnat Bharat Abhiyan were established at the Institute in the year 2019-2020.
- Solar energy harnessing, Rainwater harvesting, Sewage water treatment plant for reusing water for plants are implemented at the institute.

#### Human Values and Professional Ethics:

- Curriculum courses like Business Communication and Ethics, Professional Ethics and CSR, Cyber Security and Laws, Entrepreneurship Development and Management, IPR and Patenting play an important role in imparting values.
- Students showcase inculcated ethics and values, like punctuality, and discipline, while completing projects and publishing papers.

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

34

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

1268

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

B. Any 3 of the above

<b>from the following stakeholders Students Teachers Employers Alumni</b>	
File Description	Documents
URL for stakeholder feedback report	<a href="https://fcrit.ac.in/static_pdfs/Feedback.pdf">https://fcrit.ac.in/static_pdfs/Feedback.pdf</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="https://fcrit.ac.in/static_pdfs/Feedback.pdf">https://fcrit.ac.in/static_pdfs/Feedback.pdf</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>	
<b>382</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>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)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	

169

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

Institute conducts planned Internal Assessment tests and based on their performance in tests, we categorize students into slow and advanced learners.

The students those who score less than 60% of marks in Internal Assessment tests, are categorized as slow learner. And those who score more than 60% and have a capacity and willingness to do additional activities, are categorized as advanced learners.

### 1. Special programmes for advanced learners

Institute encourages advanced learners to participate in following activities.

- International and National level competitions
- Internships
- External projects at Industries
- Paper publication in national and international conferences
- Paper publication in national and international journals

### 1. Special programmes for slow learners

In order to assist the slow learners, remedial classes are conducted. Teacher discuss important portions for improving their understanding of subject concepts in the remedial class. The proper remedial class time table for all subjects in a semester is made and displayed on the notice board. The attendance of all such students is taken and recorded. The details of the remedial class sessions conducted are recorded in the course work file of the respective subject. The remedial class helps student in understanding and passing the end semester examination.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZfyhfvUPWhOobKQBq6SlmEBHfAOY-ZqPVesnx38jZuElg?e=ZFctor">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZfyhfvUPWhOobKQBq6SlmEBHfAOY-ZqPVesnx38jZuElg?e=ZFctor</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
1660	112

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

Outcome Based Education, a student centric learning process was introduced during academic year 2014-15. In professional education the major focus is on knowledge, skill and attitude. Knowledge is mainly dealt through classroom teaching. Skill and attitude building are targeted through participative, experiential learning.

#### Experiential Learning:

- A lot of scope for experiential learning is provided through the revised curriculum which includes skill-based

laboratories, mini projects and major projects.

- Students are encouraged to undertake internships that gives an experience of working in a company environment.

**Participative Learning:** It is exhibited by following practices:

- Students learn many aspects by participating in events or activities as stated below-
- Technical competitions
- Technical paper presentation
- Attending seminars/workshops
- Students organize co-curricular and extra-curricular activities.

**Problem Solving Methodologies:**

- Curriculum content of few courses of design domain deals with attempting solutions to specific problems. The process includes:
  - Identifying the need
  - Converting the need into a problem statement
  - Identifying alternative solutions to the problem
  - Selecting the final solution
  - Building and testing the model
  - Documentation
- The above-mentioned process is followed in mini projects

and major projects.

- Students are encouraged to work on need-based projects at Department, Institute or University level.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZz7rnJAEQtKnhReLFydvrSbpVfOwGe0_Ezx5GsJOB1LBg?e=4NOaiK">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZz7rnJAEQtKnhReLFydvrSbpVfOwGe0_Ezx5GsJOB1LBg?e=4NOaiK</a>

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

In academic year 2021-22, partial period was under influence of pandemic. So, institute opted blended mode of teaching. To make online classes more effective, institute adopted common MS-Teams platform. For students who couldn't join the offline classes had an option to attend classes online. All teachers used various ICT tools applicable as per the course requirement to make it more interesting and interactive. The various ICT tools adopted by teachers are as follows

- Power Point Presentations including animation and simulation
- Videos
- To assess students understanding regular quizzes are conducted using platforms such as Google form, MS-forms etc.
- Academic Performance monitoring System
- Learning Management System
- e-White Boards/ Digital Writing Pads

- Simulator/Emulator software
- NPTEL/ Online courses
- Flipped Classrooms

E-resources which are subscribed by the institute are

- E-Library
- IEEE-IEL Online e-Journals=505
- Conference Proceedings=31259
- Standards=4093
- ASME (American Society of Mechanical Engineers) E-Journals=30
- Springer e-Book Titles=1890

Later as the situation came back to normal, the teaching was carried out offline in classrooms, still using ICT tools effectively.

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**

80



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

112

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

26

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

1207

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.

- The scheduling and frequency of all internal assessments are planned before beginning of every semester. To bring more transparency, Academic Calendar is uploaded on website and made available to teachers and students.
- The various compulsory tools and their frequencies of internal assessment are given below
- Assignment tests (twice in a semester)
- Internal assessment test (twice in a semester)
- Practical (weekly)
- Preliminary Examination (once in a semester)
- The various optional tools and their frequencies of internal assessment are given below
- Assignments (As per course teaching plan)
- Tutorials (As per course teaching plan)
- MCQ (As per course teaching plan)
- Seminar/Presentations (one or two times in a semester)
- Mini Projects (As per requirement of course)

- In normal circumstances theory part of assessment is done in physical mode. During the pandemic situation entire teaching and examination is conducted in hybrid mode- online and offline as per the University guidelines.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EXM8ADrUF3lJhaxnHgSEAOABVoJ7u-47hiisW8-KtmWV_g?e=hQbyLp">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EXM8ADrUF3lJhaxnHgSEAOABVoJ7u-47hiisW8-KtmWV_g?e=hQbyLp</a>

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

**1. Grievances under Continuous Internal Assessment:**

- The assessed answer papers are shown to the students for the verification and any grievance is redressed immediately.
- To address the grievances related to malpractices during Internal Assessment, internal Grievance redressal committee is existing.

**2. Grievances under End Semester Examination:**

- In Mumbai University, conduction, assessment and result declaration for first and final year examination is done by Mumbai University. The second- and third-year examinations are conducted by Institute on behalf of university.

**1. Grievances in conduction of examination**

- If any student is found indulging in unfair means during examination, the Examination committee follows a proper

process of registering case. The committee seals statement of student, junior supervisor, etc. along with confiscated unfair means material and answer book.

- Further the University Unfair means committee conducts hearing after the scrutiny of unfair means material and recommend penalty as per the university ordinance.

#### 1. Grievances in assessment

- Student can apply for photocopy of Answer books. If they found any part of answer is not assessed or wrongly assessed he/she can apply under grievance. If found correct, the Examination section either at University or Institute may take appropriate measures and accordingly communicate to student.

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

## 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.

### Programme outcomes:

The statements of the POs are adapted from the NBA SAR-Annexure I.

### Programme specific outcomes:

Program Specific Outcome (PSO) statements for all programs, were drafted based on guidelines from SWOT analysis by DWC (Department Working Committee) and approved by DAB (Department Advisory Board). The DAB consists of the representatives from all the stakeholders, such as students, parents, alumni, industries, and

academia. PSOs are disseminated to the stake holders through the following channels:

1. Institute Website (<https://www.fcrit.ac.in/academics/under-graduate/mechanical>)
2. Department Notice Board
3. Laboratory Notice board
4. HOD Cabin
5. Course Booklet Given to students at the start of semester

Course outcomes:

Course outcomes (COs) are stated for all courses in clear statements of what a student should be able to demonstrate upon completion of a course with respect to knowledge and skills.

Around six Course Outcomes (COs) for the theory and around four COs for the laboratory related courses are framed in consultation with module coordinators. Guidelines to frame Course outcomes are given in OBE booklet. Course outcomes are disseminated to the students in following way

1. Course Booklet
2. During the first lecture of every semester
3. Laboratory Continuous Assessment format.
4. Laboratory Notice Board

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

**Course Outcome Attainment**

The course outcome attainment is done in two parts: Internal Assessment and External Assessment with the weightage being 60% and 40% respectively.

- Internal Assessment (60%): Internal Assessment is done on the basis of direct and indirect evaluation with a weightage of 80% and 20% respectively.
- Direct Evaluation (80%) displays the student's knowledge and skills from their academic performance and is evaluated with minimum two tools which are selected from Continuous Internal Evaluations (CIE) such as class/assignment test, internal assessment tests, assignments, seminars, laboratory assignments/practicals, mini projects, etc. with 80% weightage and preliminary examination with 20% weightage.
- Indirect Evaluations (20%) includes course exit survey which is taken upon completion of the course.
- External Assessment (40%): The external evaluations include End Semester Examination (ESE) conducted by the University.

#### Program Outcome (PO) and Program Specific Outcome (PSO) Attainment

Attainment of Program Outcomes and Program Specific Outcomes are mainly done by using Direct and Indirect Assessment methods. The weightage for Direct and Indirect Assessment are 80% and 20% respectively

- Direct Assessment is derived from CO attainment from all courses based on CO-PO mapping.
- Indirect Assessment is carried out by using Program Exit survey and Co-curricular and Extra-curricular survey.

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

### 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

352

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="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWJ41kfUPxBELfHs7qOfHuABuyyI4LOm5vtnnF4hwH4sKw?e=QxZnca">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWJ41kfUPxBELfHs7qOfHuABuyyI4LOm5vtnnF4hwH4sKw?e=QxZnca</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://fcrit.ac.in/static\\_pdfs/SSS.pdf](https://fcrit.ac.in/static_pdfs/SSS.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)

0.38964

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

12

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

1

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://www.tifr.res.in/">https://www.tifr.res.in/</a>

### 3.2 - Innovation Ecosystem

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

**Incubation Centre**



- Fr. C. Rodrigues Institute of Technology, Vashi, has a separate Incubation centre, named as Centre for incubation and business acceleration (CIBA). It includes members from academic Institutions, Entrepreneurs and Industrialist.
- FCRIT has established Institution's Innovation Council (FCRIT-IIC) as per the guidelines of 'MoE's Innovation Cell (MIC)' to create a vibrant local innovation and start-up ecosystem, to facilitate the Pre-incubation and Incubation facilities for the students.

#### Other initiatives for creation and transfer of knowledge

- Institute is recognized as Research center by University of Mumbai in Mechanical Engineering, Electronics and Telecommunication Engineering and electrical Engineering. We have 8 research guides that help in developing research projects.
- Laboratories are well equipped and provide an adequate infrastructure required for research.
- The library is well equipped with reference books and standard National, International Journals and e-Journals for an extensive literature review. Our research scholars and students have access to IIT Bombay Library through annual membership.
- The institute provides a budget for research and development activity, which help in funding for research work, publications and travel for research activities.
- Industry related projects are undertaken by students and completed in the institute. The institute caters consultancy projects for research and development.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EREXTWWwG2tLjlklVlXekbcBxfSaspUHSGbtQT03MAJsQw?e=JpaGO3">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EREXTWWwG2tLjlklVlXekbcBxfSaspUHSGbtQT03MAJsQw?e=JpaGO3</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

05

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

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

5

File Description	Documents
URL to the research page on HEI website	<a href="https://www.fcrit.ac.in/research_publication_home">https://www.fcrit.ac.in/research_publication_home</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	<a href="#">View File</a>

#### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

13

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>

**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****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**

69

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>

**3.4 - Extension Activities**

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 Institute involves the faculty and students in various community activities to help them learn ethical values and understand their responsibilities towards society for their holistic development as an individual. The Institute has registered National Service Scheme (NSS), Unnat Bharat Abhiyan (UBA) and Ek Bharat Shrestha Bharat (EBSB) cells with enthusiastic student coordinators.

NSS FCRIIT has organized activities like Child Abuse Seminar, Road Safety Seminar, Blood Donation Camp, Organ Donation Awareness, Cleanliness Drive etc. NSS has provided awareness on health, nutrition, animal welfare, waste management and recycling. To understand the importance of good health, and to start their new year fitness journey, health and fitness workshops were organised. RUCO webinar was arranged to give awareness of adverse

health effects caused due to cooking oil. The Animal Welfare Club of NSS has created a general awareness among students by making a Bird Feeder at their home and offering seeds to birds in their terrace, windowsill, balcony or garden. The Green Initiative club of NSS unit encouraged Mangrove Cleaning and waste management. Stem Education was organised to provide knowledge of basic components of electrical circuits.

EBSB cell has organised Slogan Writing Competition, Logo Designing Competition etc. for India Semiconductor Mission.

File Description	Documents
Paste link for additional information	<a href="https://www.fcrit.ac.in/student_corner">https://www.fcrit.ac.in/student_corner</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

1

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

42

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
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

2526

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

11

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

Institute campus was established in 1994 and is spread over 6.84 acres' land. The available carpet area for Main building is 4324.07sq. m. and for Annex is 9990 sq. m. Total carpet area belonging to FCRIT is 14,314.07sq. m.

#### Main building :

Administrative offices, IT, Humanities and Basic Sciences Department and FCRIT library are located in the Main building.

#### Annex building :

General workshop and Machine shop, Mechanical, Electrical, EXTC, Computer Department and CIBA, Boys & Girls common room are accommodated here.

#### Class Rooms:

Institute has 26 UG classrooms, 4 UG tutorial rooms, 8 PG class rooms, & 3 seminar halls, which are well furnished, well ventilated, and equipped with LAN enabled internet connectivity

and are provided with LCD projectors and Laptops/PC. Five class rooms are having smart board facility.

#### Laboratories:

Institute has 53 Laboratories which are well equipped and well maintained. It has an exclusive Language Lab to cater to the enrichment of communication skills. Total, there are 750 computers with internet facility (speed 170 Mbps), 33 legal application software's, 6 legal system software's, and 81 printers are available.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ESTsDRlUI45DkNZuibzFVmeEBqRS8TFU200N_99p0rPxT0A?e=yh9IJy">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ESTsDRlUI45DkNZuibzFVmeEBqRS8TFU200N_99p0rPxT0A?e=yh9IJy</a>

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

Institute is committed to create a balanced experience of academics, cultural and sports activities for overall personality development of students. Our trust has established facilities for sports and cultural events shared are as all the institutes in the campus. Area of 42,199 sq. m. and 2400 sq. m. are available for outdoor and indoor sports, respectively. An open space of 537.8 sq. m. is used to conduct cultural activities.

#### Sports Activities:

A playground for outdoor games like cricket, volleyball, basketball etc. are available. Agnel Badminton Academy located on the 7th floor of Annex building has 4 badminton courts of international standards. This Academy has tied up with Badminton Gurukul, an initiative of Shri. Pallela Gopichand. Same facility is converted into an auditorium when needed. Institute organizes yoga classes by experts for the faculty and students.

#### Cultural Activities:

Institute conducts cultural activities every semester under "ETAMAX" and "FACES". Street Play competitions are held to create

awareness about social issues. Students participate in regional level, inter collegiate competitions, debate competitions, traditional days exhibiting the diverse cultures.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EROfRt5PmZPhtjZn5-k2GYBNjO3FInVHPqS6fJE9ID8JQ?e=1VZSNE">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EROfRt5PmZPhtjZn5-k2GYBNjO3FInVHPqS6fJE9ID8JQ?e=1VZSNE</a>

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

29

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Eft1KOxVw9NGrYJjjKKM0QwBEVypQ1DZz3vsNpr2UfM7Ng?e=KHopcV">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Eft1KOxVw9NGrYJjjKKM0QwBEVypQ1DZz3vsNpr2UfM7Ng?e=KHopcV</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)

116.91354



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

Name of software: Library Management System

KOHA Library management system is customized on KOHA platform.

The Library is providing access to Online Public Access Catalogue (OPAC).

Through OPAC

- Students and faculties can make search by author, title, subject within the campus.
- Students and faculties can access e-books within campus
- Students and faculties can access IEEE Journal within campus

For the years from 2013-2014 to 2016-2017 there was an In-house software LRMS (Library Resource Management Software) with the version VB6 SQL Server. Institute started using ILMS from 2017 onwards.

Nature of automation (Fully or Partially): Fully Automated

Library is fully automated through KOHA Library management system. Transaction of books is based on barcode on student's I-cards and barcode on books. Barcode scanners are available at the circulation section to scan the barcodes of books as well as student's I-cards to make Issue and return the books. Cataloguing of books and report generation is done through the system.

Version: KOHA Library management system (18.11.02.000)

Year of Automation: 2017

Total collection of the library is 23425 which includes textbooks and reference books. We subscribe print journals and magazines and e-journals (IEEE and ASME) and e-books (Springer e-book).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://fcrit-my.sharepoint.com/:f:/g/personal/igac_fcrit_fcrit_ac_in/EmfwR4MxIepFmy6CSga9vcEBJpMw_uiLTOWrtlfCg7GeXw?e=DN5itA">https://fcrit-my.sharepoint.com/:f:/g/personal/igac_fcrit_fcrit_ac_in/EmfwR4MxIepFmy6CSga9vcEBJpMw_uiLTOWrtlfCg7GeXw?e=DN5itA</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**

**B. Any 3 of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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)**

**16.00528**

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

46

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

IT facilities including Wi-Fi with date and nature of updating is described here.

- LAN facility & Hardware Details:

1. Institute has a campus-wide networking provided to all the buildings through structured cabling and particularly with Wi-Fi facility. Bandwidth of the Internet connection in the Institute from year 2017-2020 was 100 Mbps and in year 2021 it was 170Mbps.
2. Server room is upgraded in 2017 with latest High configuration R530 servers. Hyper-V and VMware are used in the server side for hosting application services and web servers. 0365 Mail-services are used by Faculty and students for internal communication. As on date, there are thirty-six manageable switches, two layer 3 switches.

- Wi-Fi facility:

1. Wi-Fi facility exists in the campus since year 2006.
2. 17 new APs were configured in the year 2019. All Wi-Fi Access points work on the new standard IEEE 802.3af PoE (Power Over Ethernet) promising data rate of 450Mbps.

- **Licensed Software:**

1. The institute holds licenses for 33 application software. Few of them are:MATLAB, Simulink, Xilinx, Proteus, IE3D, Ansys HFSS 19R2(Research package), Ansys 18, Labview, PLC, AutoCad, PS -SINCAL.
2. Institute has licenses for Operating System such as Microsoft Campus agreement license and Microsoft Perpetual licenses.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EaE7g05XOSNIqRJlVO1MaOABRBpjxxmOMPT4ASN3YmP8Xg?e=84wD8j">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EaE7g05XOSNIqRJlVO1MaOABRBpjxxmOMPT4ASN3YmP8Xg?e=84wD8j</a>

**4.3.2 - Number of Computers**

750

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**

A. ? 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)

306.07535

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

Institution has structured system for maintenance and utilization of infrastructure to facilitate effective teaching-learning along with co-curricular and extracurricular activities to ensure overall development of students. Various committees are constituted to monitor the maintenance of physical, academic and support facilities given below.

##### Academic and support facilities

Laboratories and Classrooms are maintained at department level.

Computers: Institute website updating and LMS Server maintenance is handled by system administrator.

Portal maintenance: \* library Portal - Librarian and team

\*LMS - Teacher In-charge

\*APMS - computer department faculty

Cafeteria: Agnel Trust has constructed new cafeteria for our students. It is spacious and well-ventilated providing refreshments to students all throughout the day

Support facilities, Security, etc.: The Sports facilities are maintained by the sports in-charge.

Institute has several CCTV cameras installed at premises which are regularly monitored and maintained by the system administrator, well maintained toilets (including for physically challenged persons) are available. The rainwater harvesting facility facilitates water requirement for gardening purpose. The generators, maintained by the electrical maintenance team, are provided in the campus to take care of any electricity failures, ramp facilities for the handicapped student's.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQ4ky5wTZclEtHxvNP6iUpAB5s0kj8BU2TZWrKy4Bp10lA?e=z3VspG">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQ4ky5wTZclEtHxvNP6iUpAB5s0kj8BU2TZWrKy4Bp10lA?e=z3VspG</a>

**STUDENT SUPPORT AND PROGRESSION**

**5.1 - Student Support**

**5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

**5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

414

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

**5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**

**5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

20

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**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. 3 of the above**

File Description	Documents
Link to Institutional website	<a href="https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/Ei6eaQYmV8pPsoniCbJs2d0BGKoga3EgnU1OgRBIg8TTZw?e=4l8YoT">https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/Ei6eaQYmV8pPsoniCbJs2d0BGKoga3EgnU1OgRBIg8TTZw?e=4l8YoT</a>
Any additional information	<a href="#">View File</a>
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**

975

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

975

File Description	Documents
Any additional information	<a href="#">View File</a>
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	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 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

232

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

25

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**

51

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
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.**

03

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 )

There are various bodies that are fully managed by students listed as follows.

1. Student Council
2. Students Department Association's
3. Students' Chapter of Professional Society's
4. Various Students' Clubs

Students are representing in various statutory committees.

1. College Development Committee (CDC)
2. Internal Quality Assurance Committee (IQAC)
3. Internal Complaint Committee (ICC)
4. Anti-Ragging
5. Department Advisory Board (DAB)

The Student Council is led by General Secretary ensuring they work as one team. The Ladies Representative helps in organizing activities for girls. The sports secretary organizes mock tournaments; practice sessions and coordinates their participation. The cultural secretary organizes various cultural activities & competitions with the help of faculty respectively. GS and LR are also part of the CDC. Students are part of various institute-level clubs. An active editorial body develops the bi-annual college e-newsletter. The magazine secretary along with its team publishes a multilingual college magazine and the students perform the duty of collecting the material, editing, designing, and publishing. Students are also part of DAB, give active feedback in teaching-learning method, gap identification syllabus, academics, and infrastructure. Students are members of departmental associations professional bodies. The student representatives help Training & Placement Officer to organize various placement activities.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/pers onal/iqac_fcrit_fcrit_ac_in/EUJqLAqMPEtKjH6a9d6_7OkBwugXAIGbkBqOfxtTBBO0FA?e=dS7aFxx">https://fcrit-my.sharepoint.com/:b:/g/pers onal/iqac_fcrit_fcrit_ac_in/EUJqLAqMPEtKjH6a9d6_7OkBwugXAIGbkBqOfxtTBBO0FA?e=dS7aFxx</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**

67

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

Fr. CRIT ALUMNI ASSOCIATION (FRAMES) was registered as a trust under society registration act 1860 on 9th July 2008. FRAMES contributes largely in various academic bodies, student support as well as in the mobilization of resources - both financial and non-financial.

The institute involves the alumni in its educational and research activities wherever possible, by inviting them for the following activities:

- participate on advisory boards
- for taking expert lectures for students
- as guest speakers for training programs
- for assistance in placement/internship related activities
- consultancy services
- as industry experts to evaluate projects

Guest lectures are conducted by our Alumni every year, that's

gives an insight of the industrial world.

Association sponsors prize for sports activities and also for technical events during college fests. FRAMES sponsors Young Researcher Award during International conference ICNTE organized by institute. Also arranges placement related talk by eminent personalities.

Alumni are part of departmental advisory board and have active participation in the departmental development activities as well as have an active role in suggesting changes in the existing curriculum. Regular feedback is taken from alumni to help in the overall development of students. Sharing their professional experience makes students aware of recent trends/ technologies in the industry.

File Description	Documents
Paste link for additional information	<a href="https://www.fcrit.ac.in/alumni_home">https://www.fcrit.ac.in/alumni_home</a>
Upload any additional information	<a href="#">View File</a>

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

**E. <1Lakhs**

File Description	Documents
Upload any additional information	<b>No File Uploaded</b>

## **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

#### **Vision**

To evolve and flourish as a progressive centre for modern technical education, stirring creativity in every student leading to self-sustainable professionals, through holistic development; nurtured by strength and legitimate pride of Indian values and ethics.

#### **Mission**

- To provide industry oriented quality education.
- To provide holistic environment for overall personal development.
- To foster relationship with other institute of repute, alumni and industries.

The institute works under well-defined administrative structure. The governing council of the institute has ultimate authority and governing council guides in achieving the vision and mission of the institute.

The Principal is the leader of administrative system of the institution, who with the approval of governing council may create various posts for effective administration of the institute.

Apart from the heads of department few deans posts are created at the institute level such as academics, student affairs, research and development, post-graduation studies, faculty, Faculty in charge of Training and Placement, Controller of Examination and IQAC coordinator. The Principal conducts regular meetings with HODs and Deans to discuss the smooth functioning of academics, research activities in college, development of students and faculty etc. The Principal in co-ordination with Deans and HODs ensures effective implementation of academic activities.

File Description	Documents
Paste link for additional information	<a href="https://fcrit.ac.in/about-us/dean#list">https://fcrit.ac.in/about-us/dean#list</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.

**Exam Cell:**

Institute is affiliated to University of Mumbai wherein, the examination conduction, assessment, result preparation and declaration of second and third year are managed by exam cell on behalf of university.

Exam cell consist of a controller of examination (COE), a department coordinator from each department, two clerk and peon. The COE has authority to take decision to plan and implement

examination related activities like, examiner's appointment, evaluation, result processing, student's grievance and recommend to the principal for the further action if required.

The faculty members from various department works with the coordination of respective department coordinator. Exam conduction are carried out by a team consisting teaching and non-teaching faculties. Similarly, Oral/Practical examination are conducted by individual department which is planned and managed by co-ordinator and a team of teaching staff and non-teaching staff. The marks entries of all subjects are done by clerks in the IT enabled result processing module and verified by the inter department coordinators. This entire process is a model for decentralization and participative management, wherein all responsible teams play a role in planning, executing and monitoring of process for effectively completion of entire process as this broader framework put in place.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EVbLceXNbihMpuEjUgUySh0BmQb7VNfqMumSSD5SzqeAUg?e=uXxcy3">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EVbLceXNbihMpuEjUgUySh0BmQb7VNfqMumSSD5SzqeAUg?e=uXxcy3</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

Engineering education is of vital importance to people everywhere and is central to enhanced living standards, healthier lives, and more sustainable environments. To keep up with the fast pace of technological change, the FCRIIT's graduates become lifelong learners who recognize the need to refine their skills and to "reinvent themselves" as needed to pursue new areas of research, design, and problem solving. Strategy plan is prepared to become autonomous institute within five years to deliver quality education. Autonomy helps to accelerate the attainment of above mentioned goals, which are in consistence with our vision. Therefore, institute has prepared a strategic plan to become autonomous, which involves various initiatives such as,

- Upgradation of faculty qualification and skills.
- Upgradation of infrastructure.

- Collaboration with various industries and reputed institutes.
- NBA Accreditation for all the UG Programs.
- NAAC accreditation of the Institute.
- Permanent affiliation of the institute with Mumbai University.
- Registration under UGC act.

Application for autonomy will be submitted only after registration under section 2F and 12B of UGC act, which is under process.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ESj5j_I56MxLqm_pG98zeZoBiIb5WygTTC1KzAHakssThg?e=qyilXt">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ESj5j_I56MxLqm_pG98zeZoBiIb5WygTTC1KzAHakssThg?e=qyilXt</a>
Upload any additional information	<a href="#">View File</a>

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.

**Describe the Organogram of the Institution within a maximum 200 words**

Strategy development is an important aspect and the same is developed through a strong administrative setup. Principal, Head of the Departments, Deans , Controller of Examination and IQAC have adequate participation in making decisions and executing academic and administrative processes under their purview.

The Governing Council of the institute gives final approval to policies approved by CDC which are proposed by the resolutions passed in meetings of Principal, Deans and HODs. The Governing Council administers implementation of some policies. The general academic and administrative set up is headed by the Principal and



take necessary actions in day to day activities of the institute in consultation with the HODs and Deans.

There are various bodies/committees to monitor the activities in the institute. They are

#### General Academic committees

- Library committee.
- Admission committee.
- Unfair means committee.

#### Department wise committees/boards

- Department Working Committee
- Department Advisory Board
- Industrial Advisory Board
- Department Quality Assurance Cell

In addition to the above mentioned administrative set up and committees, every department has in-charges/coordinators.

- Class teachers
- Time Table coordinator
- Project coordinator
- Exam cell coordinator.
- Coordinator for different professional student chapter/association.
- Coordinator for FACES (Institute Sports and cultural festival).
- Coordinator for Eta-Max (Techno cultural festival).
- Alumni coordinator.

File Description	Documents
Paste link for additional information	<a href="https://fcrit.ac.in/about-us/committee">https://fcrit.ac.in/about-us/committee</a>
Link to Organogram of the institution webpage	<a href="https://fcrit.ac.in/about-us/committee">https://fcrit.ac.in/about-us/committee</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	<a href="#">View File</a>
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

- Institute admission provided for staff members children in our school managed by trust with concession in fees from 25% to 100% based on cadre.
- Concession in fees for higher education as per norms set by government of Maharashtra in the institute managed by the trust.
- Sponsorship for higher studies with full pay.
- Registration fee upto 6000/- and third-AC, to and fro rail-fare to attend the short-term training programs/conferences

in India. However, full registration fee and one-way air-fare given to the faculty members traveling abroad for attending the conferences.

- Group Personal Accident policy (TATA AIG General Insurance Company Ltd., Policy No. 0236871027) which covers accidental death (Rs. 1 lakh), permanent total/partial disability (Rs. 1 lakh), and medical expenses (up to Rs. 20,000/-)
- The gratuity is implemented under LIC scheme to the eligible staff members.
- The interest-free loans are given to the needy staff members.
- A well-equipped medical health center with on-call doctor.
- Limited in-campus accommodation is provided to the staff members on concessional rents.
- Provision of R&D fund of Rs. 2 Lakh to each department on yearly basis.
- The professional memberships/ Journal subscriptions of faculty members are financially supported up to Rs.7000/- for their outstanding contribution to the development of institute.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EaPikTdav0lEnQx05Kk14R0B2sizdV0cGo2XTaSya02TLA?e=i3UpPn">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EaPikTdav0lEnQx05Kk14R0B2sizdV0cGo2XTaSya02TLA?e=i3UpPn</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**

28

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

03

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

69

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
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

Institute follows a well-defined and framed model of performance appraisal system namely Academic Performance Indicator (API) by UGC.

In Category-I, the teaching staff appraisal is carried out based on the teaching, learning, and evaluation related activities like, teaching contact hours, syllabus enrichment, participatory and innovative teaching-learning methodologies, and examination duties.

In Category-II, the assessment based on co-curricular, extension and professional development activities like, student related co-curricular, contribution to corporate life and the department management, and professional development.

In Category-III, Research and academic contribution of the teaching staff is measured for the research papers published in refereed journals/conferences, book chapters, consultancies, research guidance and training courses.

The other performance appraisal criteria based on students' performance and feedback is also considered, where students attendance, result performance and students assessment based on overall effectiveness of teaching.

For non-teaching staff, the assessment based on the feedback from the teaching staff conducting practical are carried out. The performance is determined based on lab maintenance, equipment management, contribution towards project work and assembly.

All the above criteria are assessed by HOD and Principal based on the evidences provided and feedback collected from students. The copy of the same is given to Managing Director for further review.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EUZk1DMdPG9LouoIYznTgH4BZ42ODFa9qJq5quZKEHYUEw?e=NeLOwc">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EUZk1DMdPG9LouoIYznTgH4BZ42ODFa9qJq5quZKEHYUEw?e=NeLOwc</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

Our trust, Agnel charities, is known for transparent and clean financial processes and systems. There is a well-known process for sanction of budget to expenditure. Our trust runs many institutions across India and each institution has its own Governing Council, College Development Committee as per the statutory requirements.

In addition to these each campus has a local committee comprising of Managing Director, Management representatives and Institute heads. This committee plays a role in recommending the budget and expenditure to the Governing Council for approval. As institute follows the proper process for expenditure, wherein the bill/vouchers recommended by the head of the departments are approved by the Principal and Managing Director. All bills/vouchers verified by internal accounts staff on a routine basis.

An external auditor appointed by the trust executes the statutory audit. The statutory financial audit is conducted in two sessions, one in the month of December/January and second in the April month for the remaining period. Finalization of the account is completed in May/June and audited statements are prepared in June/July duly signed by Managing Director, and chartered accountant. The objections are rectified by the statutory auditors if any and minor audit suggestions are compiled as per the procedure

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Eb_bP6XqaixCtBeImSaJZKUBKYK2dpS5jJph6VOw0PiTzA?e=G4N89a">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Eb_bP6XqaixCtBeImSaJZKUBKYK2dpS5jJph6VOw0PiTzA?e=G4N89a</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)

3.528

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
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

The college has a well-formulated financial policy which ensures effective mobilization and optimal utilization of finances for academic, administrative and development purpose. Institute has made the necessary provision for efficient and effective use of available funds for each academic year.

The primary fund required for the development of the institute along with the day to day expenditures comes from tuition fees and development fees paid by the students. Other funds for the institute is generated through industrial consultation, research fund, MODROBS from government organization and universities.

However, when there is a shortage of funds or requirements of building physical infrastructure, Agnel Charities' trust supports the institute. The Principal and the Head of Departments discuss the requirement and decide the priorities while allocating available financial resources for various purposes. The

recommendations made by the head of the institute are normally approved by the Managing Director and local committee, which is submitted to the governing council for final approval.

In addition to the above mentioned resources for various activities undertaken by students are also supported by sponsorships through well-wishers, professional societies, industries, etc.

File Description	Documents
Paste link for additional information	Nil
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

### Practice 1: Course Audit

To enhance quality of teaching-learning process, IQAC has implemented academic course audit and laid down the guidelines for evaluation. Each faculty member prepares a course file to bring effectiveness in planning and delivery of course, which in turn is verified by DWC at the end of every semester. Faculty takes the corrective measures immediately or during next cycle on the basis of remarks given by audit members of DWC. Subsequently DQAC and IQAC conduct course audit as part of academic audit to verify the processes implemented for effective teaching learning. The course audit team members communicate the necessary improvements, if required.

### Practice 2: Ensuring question papers quality

The objective of this practice is to improve quality of question papers. Individual faculty members set the question papers for the subjects they are teaching based on the common guidelines given. The question papers are submitted to DWC through the Module coordinator to assess quality. The question paper quality is ensured on the basis of Blooms Taxonomy, and framing challenging/new questions according to CO. The respective staff members submit the revised and original question paper to the module coordinator. This process helps in improving quality of question papers.



File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQyJGZPIOGRNj_oOCDMN-dIBjphYT3xLYizVneQwVjOELg?e=ujl12f">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQyJGZPIOGRNj_oOCDMN-dIBjphYT3xLYizVneQwVjOELg?e=ujl12f</a>
Upload any additional information	<a href="#">View File</a>

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

The institute continuously reviews teaching learning processes and brings the reforms as and when required. Two such reforms and its review process are mentioned below.

**Example 1: Guest lectures to address the content beyond syllabus**

The faculty members identify the curriculum gap in the respective subjects and arrange the guest lecture from Alumni (from the same domain). The content of the guest lecture are mainly beyond the syllabus and it provides exposure to the industrial requirement. It also helps students to know the latest development and the necessary skills required in the said domain. This process helps to bridge the gap between the academia and industry.

**Example 2: Attendance monitoring through APMS**

The attendance of all the students throughout the semester are continuously monitored by the respective department. The class teachers obtain the cumulative attendance and the defaulters list on every fifteen days from APMS portal. The class teacher discuss the attendance status with Head of the Department. The special cases are dealt with the Attendance Monitoring Committee at the institute level every month. The parents are updated about the attendance status of their wards. The APMS portal helps in continuous monitoring of students attendance throughout the semester.

**Example 3: Remedial Classes**

The faculty members identify the weak students from the process of continuous assessment during the semester and to improve the quality of those students the faculties are conducting remedial classes to improve the performance of those weak students in end

semester exams	
File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EVB1n1Pc_7ZApTQy23okK8oBQS365LYAiwOtfPPrvWurUw?e=diX7TE">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EVB1n1Pc_7ZApTQy23okK8oBQS365LYAiwOtfPPrvWurUw?e=diX7TE</a>
Upload any additional information	<a href="#">View File</a>
<b>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)</b>	<b>A. All of the above</b>
File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWJ41kfUPxBElfHs7qOfHuABuyuyI4LOm5vtnnF4hwh4sKw?e=OxZnca">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWJ41kfUPxBElfHs7qOfHuABuyuyI4LOm5vtnnF4hwh4sKw?e=OxZnca</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>
<b>INSTITUTIONAL VALUES AND BEST PRACTICES</b>	
<b>7.1 - Institutional Values and Social Responsibilities</b>	
7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year	
The Institute is keen to provide facilities for women on campus in terms of safety, security, counselling and separate common rooms for girls & boys.	

Following programmes were organised to promote gender equity, on the online/ offline platform to reach out to a large audience .

1) SAMVAAD 2021:

An Oxford Format Debate Competition, "SAMVAAD, the annual intercollegiate Debate Competition, was conducted on February 26 -27,2022 in Online mode.

2) Workshop on Emotional Intelligence:

This online event was arranged in collaboration with IITB, Abhyuday on 22nd January 2022 by the speaker Dr. Era Dutta, Consultant Psychiatrist, Therapist, Life wellness coach.. Topics discussed were Emotional well-being & emotional health

3) Self- defence Workshop :

The NSS unit, FCRIIT conducted this workshop on 4th March 2022 at 4:30-6:00pm under the guidance of instructor, Avdhut Shelar who demonstrated the techniques and were practised by the volunteers , especially female students.

4) Women's day celebration & Talk on Women's health-

This was organised on 8th March.2022 with the objective to introduce the Institute level Committee: ICC- PPSHWS to the newly admitted students and celebrate womanhood with some valuable talk on Women's Health by the expert,Dr. Mini Nampoothiri, Obstetrician and Gynaecologist, Apollo Hospital.

File Description	Documents
Annual gender sensitization action plan	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Eeh000s2f-lAnaKuzhObJpAB-iy6U5QYvrWGcSXyAEghGg?e=3HrBSf">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Eeh000s2f-lAnaKuzhObJpAB-iy6U5QYvrWGcSXyAEghGg?e=3HrBSf</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="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EcJc6V6OMzplqK2KxDjWYLkBX-1_p2IcErkruEpbZUbIoA?e=SCc0qA">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EcJc6V6OMzplqK2KxDjWYLkBX-1_p2IcErkruEpbZUbIoA?e=SCc0qA</a>

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

**A. 4 or All of the above**

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

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

The institute has set up various plants in the campus to adhere to the need of efficient waste management for degradable & non-degradable waste generated in the institute.

The following are the details of the same-

**1) Solid Waste Management:**

The solid waste (wet & dry waste separately) is collected by NMMC on a regular basis.

**2) Liquid Waste Management & water recycling system:**

There are a total 4 plants through which water waste is converted into clean water. This clean water is mainly used for gardening and flushing in the washroom. These plants are located inside the campus.

**3) E-waste Management:**

The students as well as staff members of the institute have organised E-waste collection drives throughout the year to spread awareness about the correct disposal of electronic items thus helping in pollution control. The wholehearted participation of all the students & staff resulted in collection of 147 kg E-waste which was later sent to Envirocare Recycling Pvt. Ltd., Jogeshwari for further recycling.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
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:**

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

**B. Any 3 of the above**

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<b>No File Uploaded</b>
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**

**A. Any 4 or all of the above**

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

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	<a href="#">View File</a>
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  
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

**A. Any 4 or all of the above**

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	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<b>No File Uploaded</b>
Any other relevant information	<a href="#">View File</a>

**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).**

The institute is proactively organising various activities, events to provide an inclusive environment. The NSS unit of the institute has taken up the step ahead to initiate various programmes through online/offline mode to reach out to maximum people in the pandemic & post pandemic period.

To name a few major activities

- Poster competition on World AIDS Day
- Animal Welfare Awareness Quiz
- Webinar on Food-Planet-Health
- Awareness seminar on a diet based on naturopathy and yogic philosophy
- Poster making competition on national unity day
- Webinar on RUCO Repurpose Used Cooking Oil
- Blood Donation poster making competition, Eye Check-up activity, Organ Donation Awareness activity
- Selfie With Medicinal Plant
- Health Check-up Camp for Children & Senior Citizens
- Making a Bird feeder activity
- Poster competition on Conserve Water etc.

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

To adhere to the need of sensitization of students & employees, to make them responsible citizens ,the following activities were organised in the institution:

- Unleash the Idea with Incubation and Startup Ecosystem
- online Emotional Intelligence workshop
- Induction Programme For F.E. Students
- Voter's Day Awareness Slogan Writing Competition
- Voter's day awareness quiz competition.
- Few faculty members have also completed the 5-day Faculty Development Programme on the theme "Inculcating Universal Human Values in Technical Education" organized by All India

## Council for Technical Education(AICTE).

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EU7EtqW8SppOg8sw5dkq4A0BHcinM09HnS76y0zwmccArw?e=iKgZBt">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EU7EtqW8SppOg8sw5dkq4A0BHcinM09HnS76y0zwmccArw?e=iKgZBt</a>
Any other relevant information	Nil

**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	No File Uploaded

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

**1. Independence Day 2021**

To commemorate the valour and spirit of the freedom fighters who fought for the Independence of our nation, a small ceremony was organised to celebrate the 75th year of Independence of our



Nation. Flag hoisting was done at 8:15am by Father Seby. Father delivered a speech at 8.20am. Followed by two performances by the Drama House and Rhythm. The event was live streamed on YouTube for students and teachers. <https://youtu.be/LAteyJpAvY>. Since the lockdown was still in place, few students and staff members were present at the venue. All strict lockdown protocol, safety measures and social distancing was maintained at all times.

## 2. Republic Day-2022

Republic Day occupies significant importance in Indian history as India became truly independent and became a democratic republic nation. To commemorate the adoption of the constitution of India, a small function was hosted. The event was live streamed on YouTube for Students and teachers. <https://youtu.be/bclFjeA4ZiA>. Flag hoisting was done at 8:15am by Fr. MARIO PEREIRA. Fr. ALMEIDA'S recorded speech was live streamed followed by two cultural performances.

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	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

### Best Practice-1: Institutional Support for Qualification Enhancement and Skill-Upgradation

#### Objective-of-the-Practice:

- Knowledge-upgradation
- Professional growth
- Acquaintance with present skill-sets
- Enhancing Practical-orientated and Research-based teaching.

#### The-Practice

- Faculty members are sponsored for higher studies.
- Encourages faculty members to attend training programs, NPTEL, Swayam online courses, national conferences and international conferences in India/abroad.
- Motivates faculty members to carry out research work by making budgetary provision.
- Laid down incentive mechanism policy based on individual contribution in various areas.
- Encouraged to generate a roadmap for a duration of five years to enhance growth in their domain areas.

**Best-Practice-2: Integration of IT based Solution for Continuous Evaluation of Students**

**Objective-of-the-Practiceto**

- Develop in-house IT-platform
- Inculcate habit of effective-and-focused learning

**The-Practice**

- Developed in-house IT-platforms named APMS and LMS to convert existing practices into technology-driven-practices.
- Slow-learners are identified and revision/remedial classes are conducted for them. Post remedial classes impact analysis is carried out after the end-semester examination.
- Based on teacher’s observations in class, laboratory etc. fast-learners are identified and encouraged for additional learning as per pre-approved policy-framework.
- Online feedback on Teaching-Learning process is carried out twice in a semester and based on it teachers are asked to prepare action-to-be-taken for further improvement if required/appreciation certificates are given for excellent category.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.fcrit.ac.in/about-us/best_practices">https://www.fcrit.ac.in/about-us/best_practices</a>
Any other relevant information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EalSIBBe0T1PpcFus04cWSoBOSMnddrxAEFr2D5qdin-Ag?e=2IoENA">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EalSIBBe0T1PpcFus04cWSoBOSMnddrxAEFr2D5qdin-Ag?e=2IoENA</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 vision of our institute is to 'Evolve and flourish as a progressive centre for modern technical education, stirring creativity in every student leading to self-sustainable professionals, through holistic development; nurtured by strength and legitimate pride in Indian values and ethics.'

The uniqueness of our institute lies in the systematic and disciplined approach in managing the Teaching- Learning process which is strongly supported by the facilities and infrastructure for the students as well as faculty. The institute is well equipped with all the lab facilities and other infrastructure to assist in the proper and channelised development of Employable Engineering Graduates. We proudly proclaim that we function smoothly on our in-house software infrastructure (like APMS, LMS, ADMS) devised by the faculty and students in collaboration.

Along with discipline and determined attitude, we attach great importance to Moral and Ethical values and a feeling of social responsibility which is evidenced in our daily functioning. 'Vasudhaiva Kutumbakam' is a value we strongly uphold.

We believe that this approach helps us to achieve our mission of developing self-sustainable professionals with ingrained ethics and values, competent to work across the globe.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.3.2 - Plan of action for the next academic year

Fr. C. Rodrigues Institute of Technology is seen as a brand for Value Based Education and is renowned for setting high standards of ethical practices and we are eager to set high standards in professional education .

The institution has plans to develop an academic and assessment model for future autonomy.

The proposed model is characterized by core courses in program,

flexibility to explore more in the choice of specialization, opportunity to learn multidisciplinary skills, skill based labs, project based and experiential learning approach where the students are provided with ample opportunities to get hands-on experience of working with various projects to enhance their employability skills, both technical and non-technical. This flexible model will cater to the professional needs of the students. Thus aligned with the vision of the institute of developing students leading to self-sustainable professionals, through holistic development.