



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

**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**

2.Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**
- Location **Urban**

- Financial Status **Self-financing**
- Name of the Affiliating University **University of Mumbai**
- Name of the IQAC Coordinator **Dr. Mini Namboothiripad and Dr. Sanjay Rukhande**
- Phone No. **027771000**
- Alternate phone No. **9819663484**
- Mobile **9819860469**
- IQAC e-mail address **iqac.fcrit@fcrit.ac.in**
- Alternate Email address **mini.n@fcrit.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year))

https://fcrit.ac.in/static_pdfs/NAC/AQAR_Report/AQAR%202021-2022%20report.pdf

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

https://fcrit.ac.in/academic_cale ndars

5. Accreditation Details

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

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
Institutional 1	Conference	AICTE	2022-23	4,00,000
Institutional 1	Social	Crompton Greaves Foundation	2022-23	90000
Institutional 1	Conference	BRNS	2022-23	75000
Institutional 1	STEM Education	IEEE Bombay Section	2022-23	6500

8. Whether composition of IQAC as per latest NAAC guidelines Yes

- Upload latest notification of formation of IQAC [View File](#)

9. No. of IQAC meetings held during the year 4

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? No

- If No, please upload the minutes of the meeting(s) and Action Taken Report [View File](#)

10. Whether IQAC received funding from any of the funding agency to support its activities during the year? No

- If yes, mention the amount

11. Significant contributions made by IQAC during the current year (maximum five bullets)

- Prepared and published the Institute policy manual to establish model operating procedures and to create standards of quality for teaching and learning.
- Organized AICTE&BRNS Sponsored, IEEE & IAS Technically Co-Sponsored, 5th Biennial International Conference on Nascant Technologies on January 20-21, 2023 and in association with

Council of Vibration Specialists (CVS) organized International Conference on Vibration Engineering, Science and Technology on 9 th & 10th December 2022. • Organized IEI NMLC - FCRIT EXCELLENCE AWARDS 2022 along with The Institution of Engineers (India) Navi Mumbai Local Centre on September 16, 2022 at IEI Navi Mumbai Local Centre, Belapur. • Established a state-of-the-art Fronius India Solution and Skill Centre for welding in campus in collaboration with Fronius India Pvt Ltd., a world leader in providing innovative welding solutions on 19th May 2023. • Organized Seven certification courses and eight FDPs by various departments of Agnel Charities', Fr. C. Rodrigues Institute of Technology Vashi for the students and staff.

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

Plan of Action	Achievements/Outcomes
Internal Academic audit for all departments are scheduled by IQAC	Conducted the academic audit as per the schedule.
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	Various departments organized total 8 FDP/STTP for faculty such as STTP on Demystifying Deep learning, STTP on Power Electronics and Drives,,FDP on Futuristic Electrical Power Systems,,Workshop on Java Programming,FDP on Deep Learning Networks and its Applications, Seven Days Yoga Session for Faculty, Hands-on Training on Mechanical Engineering Labs, STTP on Quantum Computing . Also organized One-week

	administrative training programs for non-teaching staff ("Digital Awareness")
Certification Programs	Eight Certification Programs are organized by various department and placement cell which includes the certification course on "Full Stack Web Development", "Automating Documents and Finance using Excel", "Solar PV Systems Design and Commissioning", "Youth Empowerment and Skills",
ICNTE 2023	AICTE & BRNS Sponsored, IEEE & IAS Technically Co-Sponsored, 5th Biennial International Conference on Nascant Technologies is organized on January 20-21, 2023
INVEST 2022	Council of Vibration Specialists (CVS) in association with Agnel Charities' Fr. C. Rodrigues Institute of Technology, Vashi organized International Conference on Vibration Engineering, Science and Technology on 9 th & 10th December 2022
FCRIT centre of Excellence.	Agnel Charities', Fr. C. Rodrigues Institute of Technology Vashi is delighted to announce the establishment of a state-of-the-art Fronius India Solution and Skill Centre for welding in the campus, in collaboration with Fronius India Pvt Ltd., a world leader in providing innovative welding solutions. The facility was inaugurated on 19th May 2023 in the campus.
IEI NMLC - FCRIT EXCELLENCE AWARDS 2022	The Institution of Engineers (India) Navi Mumbai Local Centre

	<p>And Agnel Charities' Fr. C. Rodrigues Institute of Technology Jointly Presents IEI NMLC - FCRIIT EXCELLENCE AWARDS 2022 on September 16, 2022 at IEI Navi-mumbai Local Centre, Belapur.</p>
<p>National Level Technical Paper and Poster Presentation competitions</p>	<p>Mechanical Department and IT department Organized National Level Technical Paper and Poster Presentation competitions, CALIBRE2K23 and "Techsparks2023" respectively on 5th April 2023.</p>
<p>Conduction of Alumni meet</p>	<p>Alumni Meet 2022 is conducted in association with FRAMES on 7th January 2023</p>
<p>Conduction of ECO Club activities</p>	<p>The ECO Club set at Institute level conducted various activities for betterment of environment. Few of its activities are Tree Plantation, E Waste Collection, Composting Plant, Best out of Waste contest, Beach Clean up drive, plastic recycling etc.</p>
<p>Conduction of NSS activities</p>	<p>NSS FCRIIT has organized activities like Child Abuse Seminar, Road Safety Seminar, Blood Donation Camp, Organ Donation Awareness, AIDS awareness programme, Cleanliness Drive etc. NSS has provided awareness on health, nutrition, animal welfare, waste management and recycling.</p>
<p>Conduction of Ek Bharat Shreshtha Bharat activities</p>	<p>EBSB cell has organised Poem Writing Competition, Tree plantation\Beach Cleanliness drive, Gandhi Jayanti Celebration, Singing Competition in local language, Slogan Writing Competition, Logo Designing Competition etc. for</p>

	India Semiconductor Mission.
Conduction of Ecell activities	Ecell has organised Awareness about IPR Filing, Motivational Session by Successful Entrepreneur/Start-up founder etc.
Patent Submission and Received	Two patents sanctioned and one granted on academic year 22-23
Journal, conference and book/book chapter publications	Total 33 Journal papers, 66 conference papers and 7 book /book chapters were published/presented by FCRIT faculties in academic year 2022-23
Research Consultancies	Tata Power Ltd is granted Rs. 3,24,834/ on academic year 22-23 for the project entitled "Design and fabrication of Tree Trimming Robot ". Duration of the project is 2 years. Financial Assistance by Tata Power Company Ltd. Rs. 13,605/- for BE project titled, "Transformer Testing time reduction with common testing leads via switch box"
PhD Completed	Total fourteen research scholars completed PhD from the institute on academic year 22-23
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

13. Whether the AQAR was placed before statutory body? **Yes**

- Name of the statutory body

Name	Date of meeting(s)
IQAC	07/11/2023

14. Whether institutional data submitted to AISHE

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Name	Date of meeting(s)
IQAC	07/11/2023

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2023	06/01/2023

15. Multidisciplinary / interdisciplinary

As interdisciplinary courses, Institute offers Honours/Minors degree at Under Graduate level by various departments, as follows:

S.N	Programs	Honors Degree	Minors Degree
1	Computer Engineering	AIML IOT Cyber Security Data Science	Electric Vehicle 3D Printing
2	Mechanical Engineering	3D Printing IOT Electric Vehicle Data Science	AIML Cyber Security
3	Electronics and Telecommunication Engineering	AIML IOT Cyber Security Data Science	Electric Vehicle 3D Printing
4	Electrical Engineering	Electric Vehicle Data Science MicroGrid Tech	AIML IOT Cyber Security

5	Information Technology Engineering	AIML IOT Cyber Security Data Science	Electric Vehicle 3D Printing
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16.Academic bank of credits (ABC):

Our students registered for Academic Bank of Credits (ABC) under Mumbai University and ABC IDs are generated for them.

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 reallife 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 objectoriented 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	Year of offering	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Basic Technical Training	2022	3rd January 2022 - 8th July 2022	411	392
Advanced Technical Training	2022	3rd January 2022 - 8th July 2022	411	392
Aptitude and Life-skills Training	2022	3rd January 2022 - 8th July 2022	411	392

Certification Program on "Full Stack Web Development"	2023	27th February 2023 to 30th April 2023	17	17
Certification Program on "Automating Documents and Finance using Excel"	2023	8th December 2022 - 1st February 2023	31	31
Certification Program on "Solar PV Systems Design and Commissioning"	2022	5th December 2022 - 12th December 2022	7	7
Certification Program on "Youth Empowerment and Skills"	2023	16th -22nd January 2023	9	9
Certification Program on "Virtual Instrumentation and Automation"	2023	2nd - 6th January 2023	12	12

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

EBSB Arranged a singing competition in local language on 17th March 2023. 44 students belonging to various Indian languages are participated for the same.

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: Sample from Mechanical department- <https://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) statements are formulated as per OBE guidelines, based on combined essence of all expected learning outcomes using the PIs and the blooms taxonomy level verbs given in the examination reforms.

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:

Sr. No.	Name of the Adjunct Faculty Member	Subjects Taught	Affiliation
1.	Mr. N. Ganesan	Energy Audit and Management	Energy Audit Consultant, Theia New Consultant LLP, Belapur, Navi Mumbai
2.	Mr. Ankit Jaiswal	Operation Research	Software Engineer,

			Citiustech Healthcare Pvt ltd
3.	Mr. Sandesh Jadhav	Operation Research	Global Data Privacy Officer, Wipro
4.	Mr. Sagar Garje	Operation Research	Godrej and Boyce Mfg. Co. LTD. Mumbai
5.	Dr. Ramesh Veerapan	Disaster Management & Mitigation Measures	Assistant Professor, Tata Institute of Social Studies, Mumbai
6.	Ms. Lavanya Arvind	Disaster Management & Mitigation Measures	DM, Tata Institute of Social Studies, Mumbai
7.	Ms. Saumya K.	Disaster Management & Mitigation Measures	DM, Tata Institute of Social Studies, Mumbai
8.	Dr. Nirmalya Choudhary	Disaster Management & Mitigation Measures	DM, Tata Institute of Social Studies, Mumbai
9.	Dr. Tarapada Pyne	Reliability Engineering & Project Management	Retired GM/HOD- Plant Reliability, JSW Steel Limited, Mumbai
10.	Mr. Vishram Kunte	Cyber Security and Laws	Capgemini Technology Services India Limited
11.	Mrs. Shweta Tripathi	Project Management	Sr. Consultant, Ernst & Young LLP
12.	Ms. Sushrija	Project	Consultant,

	Upadhyaya	Management	Ernst & Young LLP
13.	Mr. Abhishek Tambulwadkar	Project Management	Entrepreneur, Digintel Infosol
14.	Mr. Anil Jadhvani	EDM	LMSKIT, CIBA, Fr. Agnel Technical Complex
15.	Mr. Rajal Mittal	Digital Business Management	Experienced Associate, Cloud & Strategy, PWC US Advisory, Bangalore

Extended Profile

1.Programme

1.1	342
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1789
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	295
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	433
-----	-----

Number of outgoing/ final year students during the year						
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td>View File</td> </tr> </tbody> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
3.Academic						
3.1 Number of full time teachers during the year		121				
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td>View File</td> </tr> </tbody> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
3.2 Number of sanctioned posts during the year		115				
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td>View File</td> </tr> </tbody> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
4.Institution						
4.1 Total number of Classrooms and Seminar halls		29				
4.2 Total expenditure excluding salary during the year (INR in lakhs)		459.65106				
4.3 Total number of computers on campus for academic purposes		781				
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						
1.1.1 Effective Curriculum delivery 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 allocation

Course allotment is done at the end of every semester for the next semester primarily based on

faculty's choice and their domain areas.

Academic Calendar

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.

Teaching Plan

A teaching plan is prepared before the commencement of the semester.

Execution:

Teaching

Faculty strictly adhere to the teaching plan and any deviation in the plan is recorded.

Evaluation of students

All internal examinations are conducted according to the plan. The faculty completes assessment within 10 days from the day of examination.

Monitoring:

Teaching

The HODs periodically reviews the execution of the teaching plan and monitors the syllabus completion through feedback.

Attendance and Academics

The departments continuously and effectively monitor the

Attendance and Academic progress of all the students.

Mentoring

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	View File
Link for Additional information	https://fcrit.ac.in/academic_calendars

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	View File
Link for Additional information	https://fcrit.ac.in/pages/examination

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	View File
Any additional information	View File

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	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

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)****08**

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**1309**

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

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.
- One-day Disaster management workshop was conducted during NSS special camp 2023 by NSS FCRIIT. 32 students and 5 faculty members have taken part in this full day workshop.
- 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	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

32

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

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

1397

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

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	https://www.fcrit.ac.in/academics_home
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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	View File
URL for feedback report	https://www.fcrit.ac.in/academics_home

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

496

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

240

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses 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	Nil
Upload any additional information	View File

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

Number of Students	Number of Teachers
1789	121

File Description	Documents
Any additional information	View File

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	View File
Link for additional information	https://www.fcrit.ac.in/academics/under-graduate/computer/innovative-methods#innovative-methods

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

In academic year 2022-23, most of the classes were conducted offline. The institute has state-of-art infrastructure with all the classrooms equipped with projectors and few smart classrooms. All teachers used various ICT tools as per the course requirement to make the learning experience more engaging 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

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

88

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

121

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

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

32

File Description	Documents
Any additional information	View File
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)	View File

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

1214

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

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 is 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)

File Description	Documents
Any additional information	View File
Link for additional information	https://www.fcrit.ac.in/pages/examination

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	View File
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
2. Department Notice Board
3. Laboratory Notice board
4. HOD Cabin

5. Course Booklet Given to students at the start of semester

Course outcomes (CO):

The COs for each subject are formulated from the Performance Indicators which reflects the abilities of students which they will acquire after completion of a course.

Around 5-6 COs for the theory and around 3-4 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	View File
Paste link for Additional information	https://www.fcrit.ac.in/static_pdfs/Course_Outcomes/CO_Comp_22_23.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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	View File
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

419

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EfAc6D_Vkq5Ktu_FSKEgFal4BGvawte4-D58cIRudHNutHq?e=Jp04YZ

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

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)

3.38439

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

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

16

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

02

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.tatapower.com/

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 16 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	View File
Paste link for additional information	https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EXK1fBusAmpBtnZZo9Ods0MBpK_6NtjmqyeilAYyqSlExA?e=jUaaMI

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

15

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

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

6

File Description	Documents
URL to the research page on HEI website	https://fcrit.ac.in/research_publication_home
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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

33

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 NSS, UBA, Eco -Club and EBSB cells with enthusiastic student coordinators.

NSS-FCRIT has organized activities like Child Abuse Seminar, Road Safety Seminar, Blood Donation Camp, Organ Donation Awareness, AIDS awareness programme, Cleanliness Drive, medicinal tree plantation etc. Also 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, yoga workshops were organised. RUCO webinar was arranged to give awareness of adverse health effects caused due to cooking oil. Also organised a NSS special camp (residential) at Deharang village for tribal children to create awareness about child marriage, youth empowerment etc.

EBSB cell has organised Poem Writing Competition, Tree plantation\Beach Cleanliness drive, Gandhi Jayanti Celebration, Singing Competition in local language, Slogan Writing Competition, etc.

The ECO Club set at Institute level also conducts various activities for betterment of environment. Few of its activities are Tree Plantation, E Waste Collection, Composting Plant, Best out of Waste contest, etc.

File Description	Documents
Paste link for additional information	https://fcrit.ac.in/student_corner
Upload any additional information	No File Uploaded

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

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

4

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

25

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

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

1679

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

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

16

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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

11

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

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 781 computers

with internet facility (speed 200 Mbps), legal application software's, 6 legal system software's, and 85 printers are available.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EV6OiJZUaMpAlW Wg4o9uM40BLz7xvY0IN-Qd7NOQpyboVA?e=H6f6Z3

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. Pullela 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	View File
Paste link for additional information	https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EYN8yXafu2NHqEbNXOMTjD4BdThPKx7GR5K4kl3AcBastQ?e=Jj6dkn

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	View File
Paste link for additional information	https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ESPEN-C9UF1HkZ44AqTe4kwBUKmfjKbBqZikHwz3PLyo6A?e=HUK4Wp
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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)

97.14775

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

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

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://library.fcrit.ac.in/

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
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File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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)

15.890515

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

93

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

IT facilities are as follows

- 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, in year 2021 it was 170Mbps and in 2022 it was 200Mbps.
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 various 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	View File
Paste link for additional information	https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EQJTOEM_8flFh90IrFxyPJEbxCYaxRiVssT-T7719fnm9g?e=Fx1usW

4.3.2 - Number of Computers

781

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

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)

359.8638

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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. Ramp facility and 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 team lead by Dr. Sushil

Thale are provided in the campus to take care of any electricity failures.

For regular maintenance, painting work was carried out for the entire campus.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

353

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

21

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

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	A. All of the above
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File Description	Documents
Link to Institutional website	https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/EvxND_5fGChPrZ_A3yrzO18kBy_WBAOF6ioXitfCLgwkSbO?e=D9H1Bq
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

764

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

764

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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	View File
Upload any additional information	View File
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

281

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

34

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

50

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

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.

04

File Description	Documents
e-copies of award letters and certificates	View File
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)	View File

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
1. Students Department Association's
1. Students' Chapter of Professional Society's
1. Various Students' Clubs

Students are representing in various statutory committees.

1. College Development Committee (CDC)
1. Internal Quality Assurance Committee (IQAC)
1. Internal Complaint Committee (ICC)
1. Anti-Ragging
1. 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	Nil
Upload any additional information	View File

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

184

File Description	Documents
Report of the event	View File
Upload any additional information	View File
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)	View File

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	https://fcrit.ac.in/alumni_home
Upload any additional information	View File

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

C. 3 Lakhs - 4Lakhs

File Description	Documents
Upload any additional information	View File

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 Head of Departments, posts are created at the institute level as Deans for academics, student affairs, research and development, post-graduation studies and faculty, IQAC coordinators, Training and Placement Officer and Controller of Examination. 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	https://fcrit.ac.in/about-us/dean#list
Upload any additional information	View File

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	Nil
Upload any additional information	View File

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 2F and 12B.

Application for autonomy is submitted in July 2023.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://fcrit.ac.in/about-us/institute-roadmap
Upload any additional information	No File Uploaded

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

Strategy development is an important aspect and the same is developed through a strong administrative setup. Principal, Head of the Departments, Deans and Controller of Examination 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

Department wise committees/boards

- Department Working Committee
- Department Advisory Board

- Industrial Advisory Board
- Department Quality Assurance Cell

General Academic committees

- Library committee.
- Admission committee.
- Unfair means committee.
- Internal Quality Assurance Cell

In addition to above mentioned administrative set up and committees, every department has incharges/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	https://fcrit.ac.in/academics/under-graduate/computer/dept-committees/#dept-committees
Link to Organogram of the institution webpage	https://fcrit.ac.in/about-us/committee
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

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 5000/- 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	Nil
Upload any additional information	View File

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

51

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

6.3.3 - Number of professional development /administrative training 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

09

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

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

62

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

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	Nil
Upload any additional information	View File

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	Nil
Upload any additional information	View File

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)

7.28

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

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 are generated through industrial consultation, research funds, MODROBS from government organizations 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 requirements 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	https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ETJpJnPnLHJHkIxfgrjddRMBzeD9FXpEOF-TxmlI1LluQA?e=KJhxbR
Upload any additional information	View File

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	https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZROR2TJ0B5ElhRreSsj0sMBRD-Z3egoDE2obm0nsgHuGw?e=SIA5fJ
Upload any additional information	No File Uploaded

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

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: Institute policy Manual

The IQAC has published the policy manual to establish model operating procedures & create standards of quality for teaching learning. This document helps to ensure that all staff and stakeholders in the institution are aware of the rules, regulations, and procedures that must be followed. This promotes accountability, transparency, and uniformity among all departments of the institute.

Example 2: Adherence in Teaching plan and Academic Calendar

Individual course instructor /coordinator prepares the teaching plan in line with the academic calendar and gets the approval of HOD before the starting of the semester. Faculty adhere to the teaching plan and if any deviation in the plan is recorded. HODs periodically review the execution of the teaching plan and monitors the syllabus completion through feedback. The percentage adherence in teaching plan is calculated at the end of the semester based on the content covered. If the percentage adherence is less, the teaching plan content is revised in next cycle.

File Description	Documents
Paste link for additional information	https://fcrit.ac.in/igac
Upload any additional information	View File

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
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File Description	Documents
Paste web link of Annual reports of Institution	https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EXKdd7vPHFJAthKDU6OjG48Bp-yBG4MkR9Z4hVAY8OXmQg?e=aPDO7M
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 by the institute to promote gender equity .

- 1) Self- Defence Workshop :

The NSS unit, FCRIIT conducted this workshop on 8th March 2023 .The instructor, Avdhut

Shelar demonstrated the techniques and were practised by the volunteers .

2) Orator's assemble: Elocution competition

The SAMVAAD , Debate club of FCRIIT , organised an intercollegiate Elocution

Competition with the theme 'Freedom of speech' on March 16,2023.

3) Women's Day celebration & A Session on ' Presenting Yourself '

The ICC- PPSHWS , FCRIIT conducted the event on 9th March 2023 to celebrate womanhood

with some valuable talk on ' Presenting Yourself ' by Neelam Rodrigues.

4) Workshop on Self- Defence and situation tackling :

This workshop was conducted on October 28,2022 by Ms. Dipika vaz , self defence expert

and trainer at Krav Maga Global India.

5) Street play on Gender Equality :

To sensitise people about gender equality the street play was presented on the occasion of

Azadi ka Amrit Mahotsav , by NSS volunteers.

File Description	Documents
Annual gender sensitization action plan	https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EVI2KAdkuEZLtfuT-BGGEh0BLNlfFdeIKDmSUJm9USR-XA?e=mBpcSF
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	https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EbzwMVH0ldRDiaoq-000IMBNpKAUVhXfozw4N86PMtuHA?e=DBz4ED

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	A. 4 or All of the above
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File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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. Along with this composting bins have been set up for garden waste management thus making the campus self sufficient and ZERO-waste

campus.

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 the collection of 153 Kg. of 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	View File
Geo tagged photographs of the facilities	View File

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	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

<p>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</p> <ol style="list-style-type: none"> 1.Restricted entry of automobiles 2.Use of bicycles/ Battery-powered vehicles 3.Pedestrian-friendly pathways 4.Ban on use of plastic 5.Landscaping 	<p>A. Any 4 or All of the above</p>
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File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

<p>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</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

<p>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</p>	<p>A. Any 4 or all of the above</p>
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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

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

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

The institute is proactively organizing various activities, events to provide an inclusive environment. The various Departments, units and clubs like NSS, EBSB, ECO club, student chapters etc. of the institute have taken up the step ahead to initiate various programmes to provide an inclusive environment in the institute. To name a few major activities conducted throughout the year are as follows - Challenge 30.2 -fitness challenge, Blood Donation Camp, NSS Health Camp, Fire workshop, Awareness Activity on "Green World Share Meetup "Seminar on "Red Mars, Green Mars, Blue Mars: How the Space Program Creates Sustainable Technology", Awareness program on addiction (Slogan Writing Competition), Awareness program on "Deforestation" (Poster Making Competition) ,webinar on Traditional medicine history and importance, Grain Feeder Competition.

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

A Seminar on 'Professional Ethics and Research Methodology , Session on 'Awareness about IPR filing, Poster-making competition on 'Domestic Violence against women and women's rights'.Through these activities awareness was created about the constitutional obligations, values,rights , duties & responsibilities of the citizens amongst the students and employees .

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://fcrit-my.sharepoint.com/:b:/g/pers onal/iqac_fcrit_fcrit_ac_in/EUe3zMTq4d1Mus P4uORghxQBouk1zzy0C7W-JEh0fyA1AA?e=d9pG14
Any other relevant information	https://fcrit.ac.in/about-us/mission vision

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	View File
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	View File
Any other relevant information	No File Uploaded

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

1. Independence Day

The Institute celebrated the 75th year of Independence of our Nation enthusiastically. The event was also live streamed on YouTube for students and teachers. To make the Day memorable 75 fruit bearing trees were planted in the campus by the ECO club . Faculty members and students enthusiastically participated in the tree plantation drive.

2. Republic Day

A grand function was hosted by the Institute to celebrate the anniversary of the officiation of the Constitution of India. Flag hoisting was done at 8:00am by Fr. ALMEIDA followed by cultural performances by students of Degree, Diploma, Law and Management sections

3. Martyr's Day- 30th January 2023

The NSS unit prepared a video to spread awareness regarding Martyr's Day which also marks the death anniversary of the great freedom fighter Mahatma Gandhi. The video talks about several freedom fighters and their deeds for the nation to educate the young minds and motivate them to support the nation.

4. National Voters day - 25 th January 2023

The volunteers of NSS unit interacted with few students who enthusiastically participated and delivered their thoughts on crucial topics regarding the importance of voting.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
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-Practice to 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	https://fcrit.ac.in/about-us/best_practices
Any other relevant information	https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EOTzR_AKh7tPhPUjdW9fG7MB05Z2yOujxXwdMsvdRxEBXO?e=rj9MdS

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	View File
Any other relevant information	View File

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 will be focussing on fine tuning of the academic and assessment model developed for autonomy and further plans to implement the same from the next academic year. The 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.