



## YEARLY STATUS REPORT - 2020-2021

### Part A

#### Data of the Institution

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

• Financial Status	<b>Self-financing</b>												
• Name of the Affiliating University	<b>University of Mumbai</b>												
• Name of the IQAC Coordinator	<b>Dr Savitha S Upadhya and Dr. Mini Namboothiripad</b>												
• Phone No.	<b>027771000</b>												
• Alternate phone No.	<b>9819663484</b>												
• Mobile	<b>9004908875</b>												
• IQAC e-mail address	<b>iqac.fcrit@fcrit.ac.in</b>												
• Alternate Email address	<b>savitha.upadhya@fcrit.ac.in</b>												
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.fcrit.ac.in/static_pdfs/NAAC/AQAR_Submitted_report_2019-2020.pdf">https://www.fcrit.ac.in/static_pdfs/NAAC/AQAR_Submitted_report_2019-2020.pdf</a>												
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>												
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EbMXLXOMZY5IqIVFF3hanEkBobNVxZ-wUWiF-qOGtOxqYA?e=UHeMH2">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EbMXLXOMZY5IqIVFF3hanEkBobNVxZ-wUWiF-qOGtOxqYA?e=UHeMH2</a>												
<b>5.Accreditation Details</b>													
<table border="1"> <thead> <tr> <th>Cycle</th> <th>Grade</th> <th>CGPA</th> <th>Year of Accreditation</th> <th>Validity from</th> <th>Validity to</th> </tr> </thead> <tbody> <tr> <td><b>Cycle 1</b></td> <td><b>B++</b></td> <td><b>2.99</b></td> <td><b>2021</b></td> <td><b>15/02/2021</b></td> <td><b>14/02/2026</b></td> </tr> </tbody> </table>		Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to	<b>Cycle 1</b>	<b>B++</b>	<b>2.99</b>	<b>2021</b>	<b>15/02/2021</b>	<b>14/02/2026</b>
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to								
<b>Cycle 1</b>	<b>B++</b>	<b>2.99</b>	<b>2021</b>	<b>15/02/2021</b>	<b>14/02/2026</b>								
<b>6.Date of Establishment of IQAC</b>	<b>29/06/2019</b>												
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>													

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr Bindu S Electrical Engineering Dept	AICTE MODROB	AICTE	2020-2021 Two years	1215686
Dr Aqleem Siddiqui, Mechanical Engineering Dept	AICTE ATAL Academy	AICTE	02/11/2020 to 06/11/2020	93000/-
<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>		<b>Yes</b>		
<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>		No File Uploaded		
<b>9.No. of IQAC meetings held during the year</b>		<b>1</b>		
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>		<b>Yes</b>		
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>		No File Uploaded		
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>		<b>No</b>		
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>				
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>				
Continuation of academic audit including Question Paper Audit for improvement in quality of education. Started process of Preview of upcoming semester for checking preparedness of academic activities.				
Participation in NIRF and obtained Rank in band of 201 to 250				
Pandemic has forced to think academic activities in online mode and				

also to engage students and faculties in some work, motivated to take online courses offered by COURSEERA, which was extremely successful.

Application to Mumbai University for permanent affiliation

Online conduction of 4th Biennial International Conference on Nascent Technologies in Engineering 2021 -ICNTE 2021 which is technically cosponsored IEEE and Industry Applications Society (IAS)

Conduction of ATAL FDP Course on "Electric Vehicles", ISTE approved STTP on "Digital Transformation in Teaching Learning Process" and ISTE approved STTP on "DSP, Arduino, and C/Python".

## 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
Department level internal academic audit and Preview for the upcoming semester.	Department level internal academic audit and Preview for the upcoming semester.
Application to Mumbai University for permanent affiliation of all the five UG programmes and the 3 PG programmes	Team visited the campus on 03/04/2021
Participation in NIRF 2021 ranking	Our Institute was ranked in the band 251-300
Participation in EW (Education World) India Private Engineering colleges ranking 2020-21	Our Institute was Ranked 44th All over India and 11th in Maharashtra
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 co-curricular activities by the IQAC	The IQAC approved the proposed activities of the departments and the summary of the same is submitted by the HOD's to the IQAC
MODROB proposal submission to AICTE	AICTE sanctioned an amount of 12,15,686/- towards the MODROB

	proposal for modernization of Power System Protection (PSP) Lab. dated 20/07/2020
increase in intake capacity from 60 to 120 in the Computer Engineering department	Permission was granted by the University of Mumbai to increase the intake capacity from 60 to 120 in the Mechanical Engineering from the AY 2020-2021.
"Coursera for Campus" enrollment	Around 1102 students and faculties has registered and taken 41,058 hours training
Online Conduction of IEEE and IAS cosponsored 4th Biennial International Conference on Nascent Technologies in Engineering 2021 -ICNTE 2021	ICNTE 2021 was conducted online from 14- 16th Jan 2021, 283 papers received, 189 accepted, 157 registered and presented <a href="http://icnte.fcrit.ac.in/">http://icnte.fcrit.ac.in/</a>
Website development of ICNTE 2021	ICNTE 2021 website was developed in-house <a href="http://icnte.fcrit.ac.in/">http://icnte.fcrit.ac.in/</a>
Faculty Development programs	ATAL FDP Course on Electric Vehicles was conducted by Mechanical engineering departments from 02 - 06 Nov 2020, ISTE approved STTP on "Digital Transformation in Teaching Learning Process" was conducted by Computer Engineering Dept from 18/01/2021 to 22/01/2021 ISTE approved one week online Short-Term Training Programme on topic "DSP, Arduino, and C/Python" was conducted by Electrical Dept from 10/05/2021 to 14/05/2021. Other FDP's conducted are Online workshop on 'Virtual lab using Tinkercad', Online training of 'Vector Network Analyzer', STTP on "Advanced Data Structure and Analysis (ADSA)"
Plagiarism software	Urkund plagiarism software

	training session was conducted on 21/12/2020 for research students and faculty
Aakash 2020" - Third symposium on Nascent technologies in Aerospace engineering and Navigation systems	Third symposium on Nascent technologies in Aerospace engineering and Navigation systems AAKASH 2020 was conducted on July 27, 2020. It is a combined initiative of our institute along with the Aeronautical Society of India (AeSI) -Mumbai Branch; and IIT Bombay, Mumbai towards encouraging and appreciating the project works carried out by the students, in the field of Aerospace and Aeronautics.
Avishkar Project/Poster Presentation competition	IEI Student chapter of Electrical Engineering dept conducted a National level Project/Poster Presentation competition on 16th April, 2021
Online conduction of IEI BLC - FCRIT Excellence awards conduction	The Institution of Engineers (India) -Belapur local chapter and our institute have jointly conducted the 'IEI-FCRIT Excellence Awards' on January,1,2021 for recognizing and appreciating the excellence of Academicians and Industries in their respective domains.
Online conduction of Alumni meet	Alumni Meet was conducted online on Jan 3, 2021, - 200 participants participated in the event Also, To share the start-up experience & challenges to current students and alumni by successful entrepreneurs the Alumni committee of the institute initiated to start a Startup seminar series to the students

Collection and disposal for E-waste to a recycling company by SEED committee (Third phase)	352.48 Kg of E-Waste was handed over to Envirocare Recycling Pvt. Ltd., Jogeshwari, Mumbai on 04/01/2021
Conduction of NSS activities	Various activities conducted by NSS units are Aids awareness activities Three days yoga workshop Distribution of mask in slum area Fit India drive Distribution of ration and much needed things for migrating workers during COVID 19 by students COVID 19 awareness activities Awareness activity during Ganesha festival
Performance improvement of slow learners	To improve the performance of the weak students, every 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
Preparation for NAAC Peer team visit	NAAC Peer team visited the campus on February 12 and 13, 2021 and we were awarded a grade of B++ with a score of 2.99
<b>13. Whether the AQAR was placed before statutory body?</b>	No
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
Nil	Nil

<b>14. Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
2021	22/02/2021
<b>15. Multidisciplinary / interdisciplinary</b>	
<b>16. Academic bank of credits (ABC):</b>	
<b>17. Skill development:</b>	
<b>18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)</b>	
<b>19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):</b>	
<b>20. Distance education/online education:</b>	

## Extended Profile

### 1. Programme

1.1 361

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

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

### 2. Student

2.1 1582

Number of students during the year



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

2.2 **242 (Minority)**

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

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

2.3 **390**

Number of outgoing/ final year students during the year

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

### 3.Academic

3.1 **89**

Number of full time teachers during the year

File Description	Documents
Data Template	No File Uploaded

3.2 **98**

Number of sanctioned posts during the year

<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	<b>361</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	<b>1582</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>242 (Minority)</b>
File Description	Documents
Data Template	<a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	<b>390</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	<b>89</b>
File Description	Documents
Data Template	No File Uploaded

3.2	98
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	27
Total number of Classrooms and Seminar halls	
4.2	386.82
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	737
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

##### 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	<a href="#">View File</a>
Link for Additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EV4ti8XLwZZJnpJTsnSJOXgBTwlGcDl52gwvlZin2NEVew?e=PSioAY">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EV4ti8XLwZZJnpJTsnSJOXgBTwlGcDl52gwvlZin2NEVew?e=PSioAY</a>

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

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

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

Head of the department prepares an academic calendar of their departments based on institute academic calendar which includes major additional activities of department and detailed continuous internal assessment plan. Every faculty prepares course assessment plan on the basis of academic calendar of institute and department. Course assessment plans are also provided to students by faculty. Academic calendars are uploaded on college website. Institute strictly follows the academic calendar for conduction of continuous internal assessment such as Internal Assessment Tests, Preliminary exams etc. All departments strictly adhere their academic calendar in conducting continuous internal assessment such as Assignment Tests, MOCK practical, Project progress presentations etc. Head of departments monitors conduction of all components of continuous internal assessment and also the outcomes (results) of same on regular basis.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ETpiG1CoDR5HrPqZ3XYioRkBl1t10S6KRxKpoim5pLTptjg?e=Q2qvHq">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ETpiG1CoDR5HrPqZ3XYioRkBl1t10S6KRxKpoim5pLTptjg?e=Q2qvHq</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**A. All of the above**

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

## 1.2 - Academic Flexibility

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

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

11

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

3

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

461

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

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

The following activities are covered under various categories:

**Gender:**

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

**Environment and Sustainability:**

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

#### Human Values and Professional Ethics:

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

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

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

11



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

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

162

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

## 1.4 - Feedback System

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

**B. Any 3 of the above**

File Description	Documents
URL for stakeholder feedback report	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWYRN08XFyVAv7Eh-iBWEsQB-MPzb7iUVYuoEc1fmAANYw?e=0FcDoh">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWYRN08XFyVAv7Eh-iBWEsQB-MPzb7iUVYuoEc1fmAANYw?e=0FcDoh</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZWARnxmsyhLhXYIx5_g_kUBo7s30-HzUUbo6npsGh5G_w?e=f4NrIq">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZWARnxmsyhLhXYIx5_g_kUBo7s30-HzUUbo6npsGh5G_w?e=f4NrIq</a>

### TEACHING-LEARNING AND EVALUATION

#### 2.1 - Student Enrollment and Profile

##### 2.1.1 - Enrolment Number Number of students admitted during the year

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

392

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

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

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

189

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

## 2.2 - Catering to Student Diversity

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

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

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

### 1. Special programmes for advanced learners

Institute encourages advanced learners to participate in following activities.

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

### 1. Special programmes for slow learners

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZC4h5n-UsVHmtAsEbZmsrMBes6M54gMNOkuzGkX4t2UBQ?e=jRQRdU">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZC4h5n-UsVHmtAsEbZmsrMBes6M54gMNOkuzGkX4t2UBQ?e=jRQRdU</a>
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
1582	89

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

## 2.3 - Teaching- Learning Process

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

Outcome Based Education, a student centric learning process is introduced during the 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:

- Students learn many aspects by participating in events or activities which are given below,
  - Technical competitions.
  - Technical paper presentation

- Attending seminars/workshops
- Student organizes/attends 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 also followed in mini projects and major projects.
- Students are encouraged to work on need-based projects. Many need-based projects are developed and deployed by students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EeWROZmamgBDlvz044GIR8QBapVM9r5CEu3egXdxIjQJJw?e=qSwmML">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EeWROZmamgBDlvz044GIR8QBapVM9r5CEu3egXdxIjQJJw?e=qSwmML</a>

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

In current pandemic situation entire teaching learning is on online mode. To make online classes more effective, institute adopted common MS-Teams platform. All teachers are using various ICT tools applicable as per there course to make it more interesting and interactive. The various ICT tools adopted by teachers are as follows

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

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

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

E-resources which are subscribed by the institute are

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

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

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

#### 2.3.3.1 - Number of mentors

82

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

## 2.4 - Teacher Profile and Quality

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

89

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

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

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

19

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

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

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

1253

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

**2.5 - Evaluation Process and Reforms**

**2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and**

mode. Write description within 200 words.

- The scheduling and frequency of all internal assessments are planned before beginning of every semester. To bring more transparency Academic Calendar is uploaded on website and made available to teachers and students.
- The various compulsory tools and their frequencies of internal assessment are given below
- Assignment tests (twice in a semester)
- Internal assessment test (twice in a semester)
- Practical (weekly)
- Preliminary Examination (once in a semester)
- The various optional tools and their frequencies of internal assessment are given below
- Assignments (As per course teaching plan)
- Tutorials (As per course teaching plan)
- MCQ (As per course teaching plan)
- Seminar/Presentations (one or two times in a semester)
- Mini Projects (once in a semester)
- In normal circumstances theory part of assessment is done in physical mode. During the pandemic situation entire teaching and examination is conducted in online mode.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EdcMVtXU_A9PhAThU2xSApgBd7QGZesE9FPXntJ1VlbTeg?e=1sThTZ">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EdcMVtXU_A9PhAThU2xSApgBd7QGZesE9FPXntJ1VlbTeg?e=1sThTZ</a>

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

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

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



## 2. Grievances under End Semester Examination:

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

### 1. Grievances in conduction of examination

- Any student indulging in unfair means case during examination was caught.
- They follow the proper process of registering case in terms of statement of student, junior supervisor etc. along with confiscated unfair means material and answer book are sealed in separate cover.
- University Unfair means committee will conduct hearing and undergo scrutiny of unfair means material and recommend penalty as per the university ordinance.

### 2. 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 examination section either at University or Institute may take appropriate measures and accordingly communicate to student.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdSQP_7CZJhCvt8GbsAWf70BkheT9MX_1FJuUgiavZXrg?e=nUZ1N5">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdSQP_7CZJhCvt8GbsAWf70BkheT9MX_1FJuUgiavZXrg?e=nUZ1N5</a>

## 2.6 - Student Performance and Learning Outcomes

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

**Programme outcomes:**

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

**Programme specific outcomes:**

Program Specific Outcome (PSO) statements for all programs, were

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

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

Course outcomes:

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

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://fcrit-my.sharepoint.com/:w:/g/personal/igac_fcrit_fcrit_ac_in/EcXXztroTstLpVeYDIb01j0BbFQ5YVCief91g4-jpyf6hA?e=J0JfOf">https://fcrit-my.sharepoint.com/:w:/g/personal/igac_fcrit_fcrit_ac_in/EcXXztroTstLpVeYDIb01j0BbFQ5YVCief91g4-jpyf6hA?e=J0JfOf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

#### Course Outcome Attainment

The course outcome attainment is broadly done in two parts namely Internal and External Assessment. The weightage for Internal Assessment is 80% and External Assessment is 20%.

- **Internal Assessment (60%):** Internal Assessment are measured from direct evaluation and indirect evaluation which has a weightage of 80% and 20% respectively.
  - **Direct Evaluation (80%)** display the student's knowledge and skills from their performance. The direct evaluations done 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 with 80% weightage and preliminary examination with 20% weightage.
  - **Indirect Evaluations (20%)** includes course exit survey which is taken upon completion of the course.
- **External Assessment (40%):** The external evaluations include End Semester Examination (ESE) conducted by the University.

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

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://fcrit-my.sharepoint.com/:w:/g/personal/igac_fcrit_fcrit_ac_in/ERcsgblJwhRKsFuaEzY6x-MB3eLwGdb-OoYlIDnOVjjZgg?e=y7smyd">https://fcrit-my.sharepoint.com/:w:/g/personal/igac_fcrit_fcrit_ac_in/ERcsgblJwhRKsFuaEzY6x-MB3eLwGdb-OoYlIDnOVjjZgg?e=y7smyd</a>

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

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

390

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ETeLFBHbe9dIr6UqvnQ4ahABqdBcskiZYN5C72BFGI6YhQ?e=EruPGS">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ETeLFBHbe9dIr6UqvnQ4ahABqdBcskiZYN5C72BFGI6YhQ?e=EruPGS</a>

### 2.7 - Student Satisfaction Survey

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

[https://fcrit-my.sharepoint.com/:b:/g/personal/igac\\_fcrit\\_fcrit\\_ac\\_in/EY4ZUHwDubxJsk5ZC-u76bEB-be09xfQjmNUHvGFpqfmKQ?e=EdP9Nz](https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EY4ZUHwDubxJsk5ZC-u76bEB-be09xfQjmNUHvGFpqfmKQ?e=EdP9Nz)

## 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)****8.4881**

File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)****3.1.2.1 - Number of teachers recognized as research guides****19**

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

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year****3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year****2**

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://fcrit-my.sharepoint.com/:w:/g/pers onal/iqac_fcrit_fcrit_ac_in/EYuCCUvdThdAsjPN-mU_vuwBUU0ooILl4ZSPCWcVKZpltA?e=eTygch">https://fcrit-my.sharepoint.com/:w:/g/pers onal/iqac_fcrit_fcrit_ac_in/EYuCCUvdThdAsjPN-mU_vuwBUU0ooILl4ZSPCWcVKZpltA?e=eTygch</a>

## 3.2 - Innovation Ecosystem

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

3.2.1. Institution has created an ecosystem for innovations including Incubation centre and other 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. It provides support to startup companies in terms of Consultation, Business Plan assistance, growth acceleration, product prototyping, infrastructure, mentorship and seed funding.

Other initiatives for creation and transfer of knowledge

Laboratories are well equipped and provide an adequate infrastructure required for research.

Our institute is recognized as Research center by University of Mumbai in Mechanical Engineering, Electronics and Telecommunication Engineering and Electrical Engineering.

The library is well resourced 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.

E-cell fcrit is now under formation to motivate and help students to work on their innovative ideas leading to a startup before graduation from institute.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://ciba.org.in/mumbai/">https://ciba.org.in/mumbai/</a>

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

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

12

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.3 - Research Publications and Awards

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

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

4

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

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

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

28

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

#### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

42

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

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

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

Since the time of inception in 2018, the NSS and EBSB cells have organized activities like AIDS Awareness, COVID-19 Awareness, Vaccination Awareness Campaign, Health and fitness session, Yoga Workshop, Animal welfare, Save Water campaign etc.

NSS FCRIT has provided support to needy by distributing ration during pandemic. Besides, they have also dealt with issues like stigma attached with AIDS, misconceptions regarding Vaccination etc. To understand the importance of good health, and to develop a



positive approach towards life, health and fitness workshops were organised. Prana Yoga workshop helped participants to practice yoga and meditation to open the doors to spirituality. The Animal Welfare Club of NSS FCRIT offered food and water to birds during summer, few students made bird feeders by recycling waste materials. The Green Initiative club of NSS unit encouraged growing and nurturing plants at home and to save water. The cyber security club organised activities to spread awareness about internet habits, cyberattacks, cyber laws, social media security, passwords.

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

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

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

1

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

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

19

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

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

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

884

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.5 - Collaboration

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

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

131

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

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

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

5

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

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

#### Main building :

Administrative offices, IT, Humanities and Basic Sciences Department and Central library with two floors covering, 775.26 sq. m. 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 24 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 737 computers with internet facility (speed 200 Mbps), 33 legal application software's, 6 legal system software's, and 75 printers are available.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EckJLbeubPNNpHs6JoHHsdgBszcOJTpBc7AXi2PxAvcJkg?e=EhdmLM">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EckJLbeubPNNpHs6JoHHsdgBszcOJTpBc7AXi2PxAvcJkg?e=EhdmLM</a>

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

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

#### Sports Activities:

A playground for outdoor games like cricket, volleyball, basketball etc. are available. Agnel Badminton Academy located on the 7th floor of Annex building has 4 badminton courts of international standards. This Academy has tied up with Badminton Gurukul, an initiative of Shri. 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	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZ-D88y5SEZKqIKgKEGzSZwBWQ4mXAPKZdOe9IYTkkEdAg?e=ECjfbf">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZ-D88y5SEZKqIKgKEGzSZwBWQ4mXAPKZdOe9IYTkkEdAg?e=ECjfbf</a>

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

27

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/Eh2sYOJAhE5Pm66IMJ3BzuQBU-bZ2HGErVex2en_gyjJlQ?e=4DAqqs">https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/Eh2sYOJAhE5Pm66IMJ3BzuQBU-bZ2HGErVex2en_gyjJlQ?e=4DAqqs</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

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

386.82

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

**Name of software: Library Management System**

KOHA Library management system is customized on KOHA platform.

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

Through OPAC

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

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

**Nature of automation (Fully or Partially): Fully Automated**

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

**Version: KOHA Library management system (18.11.02.000)**

Year of Automation: 2017

Description of the Library:

FCRIT Central Library is located in the Main building on 1st and 2nd floor. The total area of the central library is 775.26 sq.m. Central Library is serving its facilities to all students, staff and faculties of degree, diploma, and ITI. Reading Hall, Circulation Section, Baggage Counter, Multimedia Section, Reprographic Section and Librarian's Cabin are available on the 1st floor. While Reference Section, Journal/Magazine Section, Newspaper Section as well as Reading Hall are located on the 2nd floor.

Central Library timing is 8.45 AM to 11.00 PM and it remains closed on holidays, Sundays, and 2nd and 4th Saturdays. Students can issue 3 books for one-week duration. Faculties can issue 7 books for 6 months' duration. Central Library has centralized AC facility. It has seating capacity of two hundred and fifty.

Total collection of the central library is 50130 out of which FCRIT (degree) collection itself is 25401 (22011 in Central library and 3390 in Department library) books which includes textbooks and reference books. We subscribe print journals and magazines and e-journals (IEEE and ASME) and e-books (Springer e-book).

We have an Institutional membership with IIT Bombay Library through which our students and faculties can access the resources of the IIT library as well.

We have two types of Ex-student membership facility. First is only for reading (Rs.500/- for one year) and second is lending of 2 books for 15 days (Rs.1500/- for one year out of which 1000/- is refundable)

1. Details of library holding (FCRIT):

1. Central Library + Department Library

Items

Number

Book Titles

6814

Volumes

22011 + 3390 (Department Library) = 25401

National Journals (yearly subscription)

35

International Journals

08

National Magazines (yearly)

05

Springer e-book

2044

ASME e-journal

33

IEEE ASPP POP e-journal

205 (ASPP)

1443 (POP)

## 1. Department Library

Items

Number

Books

3390

Titles



1445

Thesis:

Ph.D. Dissertations

13

M.E Thesis

203

## 1. Initiatives to render library services

- Central Library is providing text books and reference books to students as per prescribed syllabus. Apart from text books and reference books, library is having collection of Motivational Books, Competitive Examination (GATE, etc.), Encyclopedia, Dictionaries, Communication Skills, Religious Books.
- The Central library is enriched with good numbers of rare books (either early edition and not available now or limited edition or handbook or very costly book). Various rare books can be downloaded from Rare Book Society of India (RBSI) (<https://www.rarebooksocietyofindia.org/home.php>)
- All books are arranged subject wise according to Dewey Decimal Classification 21st edition, for easy retrieval of books.
- Spacious reading rooms are there for students and staff.
- 10 Multimedia PCs with internet connectivity are available for students to access e-resources of the library including NPTEL videos.
- Online library portal [library.fcrit.ac.in](http://library.fcrit.ac.in) is made through which student and staff can access e-learning resources.
- Our original anti-plagiarism software is subscribed under FCRIIT
- Our original is a software solution that combines text-matching with writing style analysis, enabling educators and users to assess the authenticity of any text. Our original can be seamlessly integrated into our current workflow, whether we use it through a learning management system (LMS) or as a stand-alone product.

- It fosters fairness and sparks creativity among students, facilitating personal development by unlocking their full potential.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EY44PhS_8V1GiiuCewEOnDQBp3mV_ZUtDxinkzFa7JCEmw?e=qdSHwH">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EY44PhS_8V1GiiuCewEOnDQBp3mV_ZUtDxinkzFa7JCEmw?e=qdSHwH</a>

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

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

11.277

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

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

**4.2.4.1 - Number of teachers and students using library per day over last one year**

4148

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

**4.3 - IT Infrastructure**

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

## 1. LAN facility &amp; 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. The internet is upgraded to 200 Mbps from year 2021.

1. 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.

## 1. 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.

## 1. Licensed Software:

1. The institute holds licenses for 33 application software. Few of them are:

MATLAB, Simulink, Xilinx, Proteus, IE3D, Ansys HFSS 19R2

(Research package), Ansys 18 , Labview, PLC, AutoCad, PS-SINCAL.

2. Institute has licenses for Operating System such as Microsoft Campus

agreement license and Microsoft Perpetual licenses.

#### File Description

#### Document

#### Any additional information

1. Server details
2. Architecture plan of It infrastructure
3. Internet bills of 2020 and 2021
4. List of WiFi Access points and location
5. Invoices of software purchased in 2020.
6. Invoice of Microsoft Campus agreement
7. SSL security certificate
8. IT facility photographs

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/r/personal/iqac_fcrit_fcrit_ac_in/Documents/AQAR%202020-2021/Criteria%204/4.3/4.3.1/4.3.1.pdf?csf=1&amp;web=1&amp;e=TiRHyl">https://fcrit-my.sharepoint.com/:b:/r/personal/iqac_fcrit_fcrit_ac_in/Documents/AQAR%202020-2021/Criteria%204/4.3/4.3.1/4.3.1.pdf?csf=1&amp;web=1&amp;e=TiRHyl</a>

#### 4.3.2 - Number of Computers

675

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

#### 4.3.3 - Bandwidth of internet connection in the Institution **A. ? 50MBPS**

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

#### 4.4 - Maintenance of Campus Infrastructure

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

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

**366.869**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

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

**Academic and support facilities**

Laboratories and Classrooms are maintained at department level.

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

Portal maintenance: \* library Portal - Librarian and team

\*LMS - Teacher In-charge

\*APMS - computer department faculty

Cafeteria: FCRIT is in process of constructing new canteen facilities for our students. Current cafeteria facilities are spacious and well-ventilated providing refreshments to students all throughout the day

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Ed2vvbFbZGVBsoTCAnmRvuoBpFcXoXUT6J0Pcdl4zFeRkA?e=XKdFFc">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Ed2vvbFbZGVBsoTCAnmRvuoBpFcXoXUT6J0Pcdl4zFeRkA?e=XKdFFc</a>

**STUDENT SUPPORT AND PROGRESSION**

**5.1 - Student Support**

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

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

406

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

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

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

16

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

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/ErzLE9qS4FFDka_wq-isLPHYB1zj-PX-UqsXxR2iiqSx3_w?e=ItiFmC">https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/ErzLE9qS4FFDka_wq-isLPHYB1zj-PX-UqsXxR2iiqSx3_w?e=ItiFmC</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

850

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

850

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

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

**A. All of the above**



File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 5.2 - Student Progression

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

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

204

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

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

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

68

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of student progression to higher education	<a href="#">View File</a>

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

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

47

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

**5.3 - Student Participation and Activities**

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

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

2

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

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

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

Students are representing in various statutory committees.

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

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 D.A.B, give active feedback in teaching-learning method, gap identification syllabus, academics, and infrastructure. Students are members of departmental associations professional bodies. The student representatives help Training & Placement Officer to organize various placement activities.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EY8iSxOBsnVCoXk7IvXs-iUBCu07ib8FyryFsMfqT49IHg?e=fcfZyR">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EY8iSxOBsnVCoXk7IvXs-iUBCu07ib8FyryFsMfqT49IHg?e=fcfZyR</a>
Upload any additional information	<a href="#">View File</a>

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

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

61

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

## 5.4 - Alumni Engagement

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

The alumni association was registered under society registration act 1860 on 9th July 2008 in the name Fr. CRIT ALUMNI ASSOCIATION(FRAMES) also registered as a Trust. 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

Various guest lectures conducted by our Alumni for the current students, 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.

Been part of the departmental advisory board, they have active

participation in the development activities of the department as well as active role in suggesting new course program. Regular feedback is taken from the alumni to help in the overall development of students. Sharing their professional experience makes students aware of recent trends/ technologies in the industry.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWRoc3GqZCJBpc6qAKYc3MEBvsOX3LSjkUvdIsLDbiNB3Q?e=ZgTqe4">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWRoc3GqZCJBpc6qAKYc3MEBvsOX3LSjkUvdIsLDbiNB3Q?e=ZgTqe4</a>
Upload any additional information	<a href="#">View File</a>

#### 5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

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

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

##### Vision

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

##### Mission

To provide industry oriented quality education.

To provide holistic environment for overall personal development.

To foster relationship with other institute of repute, alumni and industries.

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

The Principal is the leader of administrative system of the institution, who with the approval of governing council may create various posts for effective administration of the institute. Apart from the heads of department few deans posts are created at the institute level such as academics, student affairs, research and development, post-graduation studies, faculty, Faculty in charge of Training and Placement 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	<a href="https://fcrit.ac.in/about-us/dean#list">https://fcrit.ac.in/about-us/dean#list</a>
Upload any additional information	<a href="#">View File</a>

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

#### Exam Cell:

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

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

to the principal for the further action if required.

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

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

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

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

Out of these few are either achieved or in process of completion. Application for autonomy will be submitted only after registration under section 2F and 12B of UGC act.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit.ac.in/about-us/institute-roadmap">https://fcrit.ac.in/about-us/institute-roadmap</a>
Upload any additional information	<a href="#">View File</a>

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

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

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

- • Institute admission provided for staff members children in our school managed by trust with concession in fees from 25% to 100% based on cadre.
- • Concession in fees for higher education as per norms set by government of Maharashtra in the institute managed by the trust.
- • Sponsorship for higher studies with full pay.
- • Registration fee upto 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	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdtmObr_9VRPmo_padkE28wBR0rwIJAfXQcRZ-YFNqOYvA?e=54CzqU">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdtmObr_9VRPmo_padkE28wBR0rwIJAfXQcRZ-YFNqOYvA?e=54CzqU</a>
Upload any additional information	<a href="#">View File</a>

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

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

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

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

4

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

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

#### 6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

59

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

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

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

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

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

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

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

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

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EaQfaU4ZTUxDheOgUgX6WwQBqyJyKkCHIL002iu6oRg94g?e=VPn6yn">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EaQfaU4ZTUxDheOgUgX6WwQBqyJyKkCHIL002iu6oRg94g?e=VPn6yn</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various

internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

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

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

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EaGe9o3IuA9Njy1p2CGMBEwBpK7jppjuy6eLAdAlF205-TA?e=YW57nv">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EaGe9o3IuA9Njy1p2CGMBEwBpK7jppjuy6eLAdAlF205-TA?e=YW57nv</a>
Upload any additional information	<a href="#">View File</a>

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

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

1.22

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

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

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

However, when there is a shortage of funds or requirements of building physical infrastructure, Agnel Charities' trust supports the institute. The Principal and the Head of Departments discuss the requirement and decide the priorities while allocating available financial resources for various purposes. The recommendations made by the head of the institute are normally approved by the Managing Director and local committee, which is submitted to the governing council for final approval.

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

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

## 6.5 - Internal Quality Assurance System

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

### Practice 1: Course Audit

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

### Practice 2: Ensuring question papers quality

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ETXXn8J7FTVKpDhmBHW08poB9gfXAj0cYf2ZhCZP7k5pRQ?e=5gd5TY">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ETXXn8J7FTVKpDhmBHW08poB9gfXAj0cYf2ZhCZP7k5pRQ?e=5gd5TY</a>
Upload any additional information	<a href="#">View File</a>

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

The institute continuously reviews teaching learning processes and brings the reforms as and when required. Two such reforms and its



review process are mentioned below.

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

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

**Example 2: Attendance monitoring through APMS**

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZa9KhLqZJdOuA98MyBP1TwB18LVOxyXdGiv-rm9b0zkhw?e=OYZW8C">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EZa9KhLqZJdOuA98MyBP1TwB18LVOxyXdGiv-rm9b0zkhw?e=OYZW8C</a>
Upload any additional information	<a href="#">View File</a>

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

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Eep0PUtoLqVCKyELKKFOf0MBIHrdm-C2bCTN3ZLjNqd8Rw?e=1t41LI">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Eep0PUtoLqVCKyELKKFOf0MBIHrdm-C2bCTN3ZLjNqd8Rw?e=1t41LI</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

The Institute is keen to provide facilities for women on campus in terms of safety & security, counselling, and separate common rooms for girls & boys. In the continuation of tradition the year 2020-21 also witnessed various programmes to promote gender equity organized on online platform in the pandemic. The details of the programmes are as follows -

1. Self- defense workshop -Conducted on February 26 -27, 2021

The presentations gave a wide spectrum of knowledge related to Self Defense.

1. SAMVAAD 2021- Conducted on February 26 -27, 2021

The Institute arranges an Oxford Format Debate Competition named "SAMVAAD" every year.

The theme for this year : Skewed Perceptions: Looking through the Socio-Psycho-Polit Prism."

1. Seminar on Work-Life balance for women and Women's day celebration

IC committee for Prevention of Sexual Harassment of women at work place had organized this Seminar.

Talk with the Doc : Women Health, held on April 11, 2021

IEEE FCRIIT in collaboration with ICC for PPSHWESRG had organized an interactive session & it was attended by the audience of all age groups.

File Description	Documents
Annual gender sensitization action plan	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWjMmIS5q4xEil8wt9q8eDsBcIzA3MOnjdQaruj2_ojYvA?e=4emZxa">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWjMmIS5q4xEil8wt9q8eDsBcIzA3MOnjdQaruj2_ojYvA?e=4emZxa</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EdT5vvu3WblKlmysCrbLUI4B_V6ayY9omm9dkJ6w9K2N2g?e=2xhN8U">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EdT5vvu3WblKlmysCrbLUI4B_V6ayY9omm9dkJ6w9K2N2g?e=2xhN8U</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures** **A. 4 or All of the above**  
**Solar energy**  
**Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

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

The following are the details of the same

**1. Solid waste management**

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

## 1. 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 used for gardening and flushing in the washroom. These plants are located inside the campus

### 1. E-waste management

The students as well as staff members of the institute has organised E- waste collection drives throughout the year to spread awareness about the correct disposal of electronic items thus helping in pollution control. The wholehearted participation of all the students & staff resulted in collection of 352.48 kg E-waste which was later sent to Envirocare Recycling Pvt. Ltd., Jogeshwari for further recycling.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus** B. Any 3 of the above

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

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:** A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles

**3. Pedestrian-friendly pathways****4. Ban on use of plastic****5. Landscaping**

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

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

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following**  
**1.Green audit 2. Energy audit**  
**3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**B. Any 3 of the above**

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

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

The institute is proactively organizing various activities ,events to provide an inclusive environment. The NSS unit, Unnat Bharat Abhiyan unit, SEED unit of the institute has taken up the step ahead to initiate various programmes through online mode to reach out to maximum people in the severe pandemic situation. To name a few activities -COVID-19 awareness, Prana yoga workshop, animal welfare poster making competition, care for birds initiative, save water, selfie with my plant initiative , vaccination awareness drive, village development plan, vruksha prashanawali etc. All the faculty members along with the students have actively participated in the E-waste collection drive thus helping to curb the pollution & creating awareness regarding safe disposal of the hazardous waste.

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

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

To adhere to the need of sensitization of students & employees, to make them responsible citizens, the following activities were organized in the institution-a webinar on Emotional

Intelligence, one week Art of Living programme for the new entrants. Along with this the Mumbai University syllabus for the Engineering students for the subject Professional Communication and Ethics-I plays an important role in inculcating a set of professional ethics apart from their own personal value system. The subject is taught to the new entrants in the semester II , There is a more enhanced subject in semester 5, Professional Communication & Ethics-II, when the students are older and would be moulding themselves for placements and higher Studies Along with this our Institute has collaborate with Tata Institute of Social Sciences to impart training to the students in various skills like leadership, financial literacy, Professional Ethics, etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQpIsyI8XeBJv1rilK_lxcBA7jEa0qiGRlP0lvlpDnZXA?e=2as8ba">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQpIsyI8XeBJv1rilK_lxcBA7jEa0qiGRlP0lvlpDnZXA?e=2as8ba</a>
Any other relevant information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQpIsyI8XeBJv1rilK_lxcBA7jEa0qiGRlP0lvlpDnZXA?e=2as8ba">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EQpIsyI8XeBJv1rilK_lxcBA7jEa0qiGRlP0lvlpDnZXA?e=2as8ba</a>

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

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

**C. Any 2 of the above**

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

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

#### Independence Day 2020

Since the lockdown was still in place, few students and staff members were at the venue to celebrate the 74th year of Independence of our Nation. The day was commemorated to all our freedom fighters, our soldiers fighting for our land, the martyrs over the years and our still struggling frontline warriors. All strict lockdown protocol, safety measures and social distancing was maintained at all times.

#### Republic Day-2021

January 26, 2021 marked our Republic day during the grim situation of the COVID 19 pandemic and the lockdown. Our institute, as a sign of respect to our Nation, freedom fighters and our national leaders, had a flag hoisting ceremony, in keeping with the strict lockdown protocol and safety measures. The flag was hoisted by the MD of our college, Rev. Fr. Almeida and approximately 7-10 people attended the venue.

We would like to commemorate the day to our frontline warriors also , who are striving every day to make this nation a safer place to live in.



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

## 7.2 - Best Practices

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

### Best Practice-1:

#### 1.1 TITLE-OF-THE-PRACTICE

Institutional Support for Qualification Enhancement and Skill-Upgradation

#### 1.2 Objective-of-the-Practice

- Knowledge-upgradation in the respective field of Engineering.
- Professional growth of faculty-members.
- Acquaintance with present skill-sets required by the industry.
- Enhancing Practical-orientated and Research-based teaching.

#### 1.3 Need-Addressed-and-the-Context

The Institute's vision is to provide modern technical education for the development of self-sustainable professionals. In order to accomplish this, it is essential to have on roll highly qualified and knowledgeable faculty members. As we can perceive the ever expanding growth & dynamism in technology, it is imperative for all present to adapt to these changes with frequent updates and upgrades. The Institute strongly believes that every employee deserves to grow as a professional and therefore encourages and motivates them to pursue research and development. Faculty members' professional growth is equally important and it can be done through motivating them to pursue research, attend training programs and conferences, to align with rapid changes in technologies.

## 1.4 The-Practice

Faculty knowledge-enrichment is possible mainly through qualification upgradation as per institute policy and minimum-qualification requirement by statutory body. The Institute has devised a policy of sponsorship for qualification-upgradation to ME/M.Tech and Ph.D. from 1998-1999. The institute also supports those faculty-members who are willing to do post-doctoral work.

### Sponsorship Policy

Faculty members are sponsored from each department for M.E/M.Tech. and Ph.D. program with full salary as per the seniority. During their period of study (two-years for M.E/M.Tech. and 3-5 years for Ph.D.), they are relieved from all administrative work and their teaching load is reduced to 6-10 hours per week. They have to enter into a mutual bond with the institute, which is 2-years of service for M.Tech. and 5 years of service for Ph.D. after their graduation.

### Training and Conference Support Policy-

The institute encourages faculty members to attend training programs, NPTEL, Swayam online courses, national conferences and international conferences in India/abroad. Duty-Leaves, third-AC to-and-fro rail fare and registration-fees are given to the faculty members to attend the training programs and conferences in India. However, full registration-fee and one-way economy class air-fare are given to the faculty members traveling abroad for attending the international-conferences.

### R&D Support Policy

Institute motivates faculty members to carry out research work by making budgetary provision up-to Rs. 12,00,000/-.

### Incentive Mechanism Policy

Institute has clearly laid down incentive mechanism policy based on individual contribution in various areas such as research activity, consultancy work/R&D, book writing and receiving patent. The faculty members can avail of incentives for professional society membership or subscribing to journals.

### Road-Map

Faculty members are encouraged to generate a roadmap for a duration of five years to enhance growth in the research-work, upgrade knowledge and skill in their domain areas; faculty members prepare activities map for next five-years as road-map, which has started from the year-2017.

### 1.5 Evidence-of-Success

The impact of institute-support in quality-enhancement are:

- Many faculty-members completed higher studies as well as PhD.
- High Retention (Average-work experience within-the-institute is around 16-years.)
- Attending more workshops, training-programs etc.
- Many faculty members have attended National & International Conferences and Seminars.
- Higher number of publications (Around 700 Journal and Conference publications in the last 5-years).

### 1.6 Problem-Encountered-and-Resources Required

We are sponsoring for PhD program to 3-4 faculty members currently. This has actually resulted into increasing little burden on other faculty members.

As per the faculty ratio requirement, faculties are being appointed. Hence major financial resources are encountered.

Any functional institute requires resources mainly in terms of human, finance and laboratory for effective implementation.

#### Human Resources

Our institute has sufficient number of faculty to manage the teaching-load of the faculty-member sponsored for higher studies. Salary expenses are taken care of through budgetary provisions.

#### Financial Resources

Institute sanctions Rs. 12,00,000/- as Research-Fund in every financial-year for research activities only. Additional expenses towards travelling and registration for attending training-program and conferences are paid to faculty members. These financial provisions are made in the institute budget.

## Laboratory and Instrumentation

Laboratory-infrastructure is augmented and modernised for future research activities continuously through the budgetary provision as well as model project through AICTE and research funding through BRNS and industries. Exclusive area is provided for research work in Project and R&D labs. Institute started motivating students to use these developed facilities after college hours.

### 1.7 Notes For Adoption

Intent of the management is to provide quality education through qualified and knowledgeable faculty members by providing the required resources to all teaching faculty Along with right intent proper planning, implementation and monitoring is highly required.

## Human Resources

Our institute has sufficient number of faculty to manage the teaching-load of the faculty-member sponsored for higher studies. Salary expenses are taken care of through budgetary provisions.

## Financial Resources

Institute sanctions Rs. 12,00,000/- as Research-Fund in every financial-year for research activities only. Additional expenses towards travelling and registration for attending training-program and conferences are paid to faculty members. These financial provisions are made in the institute budget.

## Laboratory and Instrumentation

Laboratory-infrastructure is augmented and modernised for future research activities continuously through the budgetary provision as well as model project through AICTE and research funding through BRNS and industries. Exclusive area is provided for research work in Project and R&D labs. Institute started motivating students to use these developed facilities after college hours.

### 1.7 Notes For Adoption

Intent of the management is to provide quality education through qualified and knowledgeable faculty members by providing the required resources to all teaching faculty Along with right intent proper planning, implementation and monitoring is highly

required.

Best-Practice-2:

## 2.1 TITLE-OF-THE-PRACTICE

Integration of IT based Solution for Continuous Evaluation of Students

## 2.2 OBJECTIVES-OF-THE-PRACTICE

Continuous evaluation of the students is very crucial in the education system as it brings into focus the introduction of further actions required to be taken for effective implementation of the Teaching-Learning process. Effective learning by students helps them in developing their analytical, logical, and creative thought process along with necessary technical-skills. Use of IT-based solutions helps in efficiently analyzing the learning by the students and planning further necessary actions.

Objectives:

1.To develop in-house IT-platform for CO-PO attainment-computations, uploading study-material, conducting various feedbacks, etc.

2.To inculcate habit of effective-and-focused learning in classroom

3.To develop analytical, logical, and creative abilities along with necessary technical-skills

4.To identify slow and fast-learners for further action

## 2.3 THE-CONTEXT

All faculty members were facing typical problems in continuous evaluation system in the context of outcome assessment for each and every student.To address this problem , Technology can be the best tool which will reduce the burden and time taken for assessment tasks.

1 . We started developing an in-house IT-platform for computation of outcome-attainments, monitoring students' academic-

performance and attendance -record, automated term-work marks calculations, collecting various feedbacks, etc. at the click-of-mouse.

2.How to identify slow-learners and what additional support-mechanism needs to be developed for them?

3.How to identify fast-learners and what additional benefits can be offered to them for sustaining their motivation?

4.Based on students' feedback on Teaching-Learning what further actions are needed by teacher for improvement in teaching-process resulting in enhanced-learning by students?

5.How the assessment and evaluation process can be made transparent to the students for giving them critical-feedback on their learning and helping them to improve in future?

6.How to prepare the mind-set of the students for smooth-transition into the corporates?

## 2.4 THE-PRACTICE:

### 1. Use of IT-Platform:

Our teachers have developed in-house IT-platforms named 'Academic Performance Monitoring System (APMS)' and 'Learning Management System (LMS)' to convert existing practices into technology-driven practices.

APMS: Advantages are entering Course Outcomes, CO-PO-PSO mapping, goal-setting, CO-wise assigning of "Assessment-tools", entering marks for assignment-test, internal assessment-test, prelims, end-semester examination, computation of CO, PO, and PSO-attainments, finding academic-defaulters, entering attendance and finding attendance-defaulters, conducting various feedbacks and analysing them, etc. Basically, the APMS does an overall evaluation, assessment and appraisal of each and every student very objectively, precisely and within time.

LMS: Advantages are uploading notes/assignments/quizzes, on-line evaluation of assignments, etc. for easy access to the teacher and learner

## 2. Innovative Methodologies in Teaching-

Learning and Evaluation for Transforming Thought-Process of the Students: Well in advance before beginning of a new-semester all the teachers prepare the lecture-plan, carry-out mapping of Course-Outcomes with the course to be delivered in the respective semester. Furthermore, the faculty is required to create:

(a) Content-delivery-tool introducing innovation in teaching

(b) Course-assessment and evaluation plan for in-semester and end-semester examinations. The examination is conducted in various modes such as theory paper, assignments, oral assessments, quiz, etc.

## 3. Slow-Learners:

Slow-learners or students weak in academics are identified based on some of the following criteria:

(a) The continuous assessment history of their academic-performance

(b) Based on marks scored in internal-assessment tests. Those who score less than 12-marks out of 20 in tests are identified as slow-learners and revision/remedial classes are conducted for them. Post remedial classes impact analysis is carried out after the end-semester examination.

## 4. Fast-Learners

Based on teacher's observations in class, laboratory, active participation/performance in co-curricular activities/competitions at various-levels, etc. fast-learners are identified and they are encouraged for additional learning as per pre-approved policy-framework.

## 5. Students' Feedback on Teaching-Learning:

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 in Teaching-Learning process,

if the feedback under 'satisfactory' category is above a particular-level. Appreciation certificates are given to the faculty when the overall feedback under 'Excellent' category is above a particular-level.

## 6. Transparent Evaluation-Process:

All the in-semester evaluations are carried out based on well-defined rubrics, solutions are discussed in the class, and answer-papers are shown to the students. For end-semester examination Mumbai-University norms are followed for revaluation, photo-copy of answer-book, etc. Students can approach the grievance committee if they feel so.

## 2.5 EVIDENCE-OF-SUCCESS

- Consistently excellent end-semester examination results in final year (around 100%).
- More than 85% of the students admitted in first year graduate in a stipulated 4-year duration.
- Every-year passing-percentage of our FE-students (around 80%) is almost double compared to the overall Mumbai-University results (around 40%).
- On an average 85% among the eligible-students are placed in-campus. The employers prefer our students and have been consistently coming back year-after-year.
- Our alumni are successful in their professional-career and many of them are now successful entrepreneurs.
- On an average every year 10-to-15% of the students enroll for higher-studies.
- Many of them have completed their Ph.D. from reputed foreign Universities.

## 2.6 PROBLEMS-ENCOUNTERED-&-RESOURCES-REQUIRED

1. Assigning time-slots for conducting revision/remedial classes and placement-related activities was a challenge as these activities are scheduled after the working hours.

2. Converting unique existing system into IT-platform was the challenge as both the students & faculty were needed to collaborate to develop it as per the requirement of the institute.

## 2.7 NOTES-FOR-ADOPTION



1. Vision of the Management
2. Administrative capabilities and vision at the Principal and Head-of-the- Department level
3. Sincere, dynamic, dedicated, hardworking, and motivated faculty
4. Students acceptability of this process followed by the Departments/Institute.

File Description	Documents
Best practices in the Institutional website	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZw6iewrENVJu-fOR7zDybkBj1IByuoI5ydhkXLVZbjjwA?e=xr8kn7">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZw6iewrENVJu-fOR7zDybkBj1IByuoI5ydhkXLVZbjjwA?e=xr8kn7</a>
Any other relevant information	Nil

### 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

**Generation of self-sustainable professionals through value based, holistic development'**

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 institute lays emphasis on instilling ethics and a feeling of social responsibility not just in the students, but in the working staff as well. FCREDIT is seen as a brand for Value Based Education and is renowned for setting high standards of ethical practices. Transparency amongst all channels of communication and functioning ensures that these standards are always at its epitome.

Every individual student is mentored to plan, organise and deliver their work in a systematic and professional way due to which they learn to function in target time, within deadlines. Each student is exhorted to become the best versions of their earlier self. Ample opportunities are created by the institute to enable our students to question, research, create and present not just technical aspects but more importantly the various non-technical dimensions applicable to lifelong learning. We are strongly

focused on building citizens for the nation; therefore, our system incorporates many occasions where students are introduced to national and global achievers through International Conferences, Seminars, Webinars, Workshops and collaborations with top grade institutes with values aligned with ours (like TIFR, TISS, etc.) Our Institute strongly believes that experiential learning is imperative and therefore we create opportunities for students by increasing industrial exposure and encouraging self-learning through internships. We have students interning at esteemed institutes like IIT-B, IISc and international universities too.

Every working day begins with morning assembly, which primarily focuses on meditation, a universal prayer, national and local news and an immersive thought for the day. The Managing director and the Principal have made it a practice to express their thoughts to the students on days of National importance. This goes a long way in instilling staunch values and groundedness in the students. Our focus is to continuously and consistently reinvent ourselves, and one way of achieving this is by constantly encouraging our students to reinvent themselves. Along with this, professional values of planning ahead of time and precise execution is inculcated amongst the students as well as the faculty. The college is well equipped with lab facilities and infrastructure to assist in the proper and channelised development of Employable Engineering Graduates. FCRIT can proudly proclaim that we function smoothly on our in-house software's like LMS and APMS.

Despite the rigorous academic curriculum, our students enthusiastically make time for social work, cultural, sports, gender equity and many other secular activities. 'Vasudhaiv Kutumbakam' is a value we strongly uphold. We believe that nurturing our students, training them through Value and Outcome based education and allowing them an open and resourceful space to develop their curiosity and present it actively, will help us achieve our mission of developing self-sustainable professionals with ingrained ethics and values.

## 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	<a href="#">View File</a>
Link for Additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EV4ti8XLwZZJnpJTsnSJOXgBTwlGcDl52gwvlZin2NEVew?e=PSioAY">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EV4ti8XLwZZJnpJTsnSJOXgBTwlGcDl52gwvlZin2NEVew?e=PSioAY</a>

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

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

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

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

Head of the department prepares an academic calendar of their departments based on institute academic calendar which includes major additional activities of department and detailed continuous internal assessment plan. Every faculty prepares course assessment plan on the basis of academic calendar of institute and department. Course assessment plans are also provided to students by faculty. Academic calendars are uploaded on college website. Institute strictly follows the academic calendar for conduction of continuous internal assessment such as Internal Assessment Tests, Preliminary exams etc. All departments strictly adhere their academic calendar in conducting continuous internal assessment such as Assignment Tests, MOCK practical, Project progress presentations etc. Head of departments monitors conduction of all components of continuous internal assessment and also the outcomes (results) of same on regular basis.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ETpiG1CoDR5HrPqZ3XYioRkBltl0S6KRxKpoim5pLTptjg?e=Q2qvHq">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ETpiG1CoDR5HrPqZ3XYioRkBltl0S6KRxKpoim5pLTptjg?e=Q2qvHq</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**A. All of the above**

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

## 1.2 - Academic Flexibility

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

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

11

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

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

3

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

461

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

#### Response:

The following activities are covered under various categories:

#### Gender:

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

#### Environment and Sustainability:

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

#### Human Values and Professional Ethics:

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

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

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

11

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

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

162



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

#### 1.4 - Feedback System

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

**B. Any 3 of the above**

File Description	Documents
URL for stakeholder feedback report	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWYRN08XFyVA_v7Eh-iBWEsQB-MPzb7iUVYuoEc1fmAANYw?e=0FcDoh">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWYRN08XFyVA_v7Eh-iBWEsQB-MPzb7iUVYuoEc1fmAANYw?e=0FcDoh</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZWARnxmsyhLhXYIx5_g_kUBo7s30-HzUUbo6npsGh5G_w?e=f4NrIq">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZWARnxmsyhLhXYIx5_g_kUBo7s30-HzUUbo6npsGh5G_w?e=f4NrIq</a>

#### TEACHING-LEARNING AND EVALUATION

**2.1 - Student Enrollment and Profile****2.1.1 - Enrolment Number Number of students admitted during the year****2.1.1.1 - Number of students admitted during the year**

392

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

**2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)****2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

189

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

**2.2 - Catering to Student Diversity**

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

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

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

1. Special programmes for advanced learners

Institute encourages advanced learners to participate in

following activities.

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

#### 1. Special programmes for slow learners

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZC4h5n-UsVHmtAsEbZmsrMBes6M54gMNOkuzGkX4t2UBQ?e=jRQRdU">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZC4h5n-UsVHmtAsEbZmsrMBes6M54gMNOkuzGkX4t2UBQ?e=jRQRdU</a>
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
1582	89

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

#### 2.3 - Teaching- Learning Process

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

Outcome Based Education, a student centric learning process is introduced during the 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:**

- Students learn many aspects by participating in events or activities which are given below,
  - Technical competitions.
  - Technical paper presentation
  - Attending seminars/workshops
- Student organizes/attends 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 also followed in mini projects and major projects.
- Students are encouraged to work on need-based projects. Many need-based projects are developed and deployed by students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EeWROZmamgBDlvz044GIR8OBapVM9r5CEu3egXdxIjOJJw?e=qSwmML">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EeWROZmamgBDlvz044GIR8OBapVM9r5CEu3egXdxIjOJJw?e=qSwmML</a>

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

In current pandemic situation entire teaching learning is on online mode. To make online classes more effective, institute adopted common MS-Teams platform. All teachers are using various ICT tools applicable as per there course to make it more interesting and interactive. The various ICT tools adopted by teachers are as follows

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

E-resources which are subscribed by the institute are

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

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

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

#### 2.3.3.1 - Number of mentors

82

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

### 2.4 - Teacher Profile and Quality

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

89

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

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

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

19

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

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

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

1253

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

### 2.5 - Evaluation Process and Reforms

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

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

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

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdcMVtXU_A9PhAThU2xSApgBd7OGZesE9FPXntJ1VlbTeg?e=1sThTZ">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdcMVtXU_A9PhAThU2xSApgBd7OGZesE9FPXntJ1VlbTeg?e=1sThTZ</a>

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

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

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

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

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

**1. Grievances in conduction of examination**

- Any student indulging in unfair means case during examination was caught.
- They follow the proper process of registering case in terms of statement of student, junior supervisor etc. along with confiscated unfair means material and answer book are sealed in separate cover.
- University Unfair means committee will conduct



hearing and undergo scrutiny of unfair means material and recommend penalty as per the university ordinance.

## 2. 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 examination section either at University or Institute may take appropriate measures and accordingly communicate to student.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdSOP_7CZJhCvt8GbsAWf70BkheT9MX_1FJuUgiavZXrq?e=nUZ1N5">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdSOP_7CZJhCvt8GbsAWf70BkheT9MX_1FJuUgiavZXrq?e=nUZ1N5</a>

## 2.6 - Student Performance and Learning Outcomes

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

### Programme outcomes:

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

### Programme specific outcomes:

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

1. Institute Website  
(<https://www.fcrit.ac.in/academics/under-graduate/mechanical>)
2. Department Notice Board

3. Laboratory Notice board
4. HOD Cabin
5. Course Booklet Given to students at the start of semester

**Course outcomes:**

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

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://fcrit-my.sharepoint.com/:w:/g/personal/iqac_fcrit_fcrit_ac_in/EcXXztroTstLpVeYDIb01j0BbFQ5YVCief91g4-jpyf6hA?e=J0JfOf">https://fcrit-my.sharepoint.com/:w:/g/personal/iqac_fcrit_fcrit_ac_in/EcXXztroTstLpVeYDIb01j0BbFQ5YVCief91g4-jpyf6hA?e=J0JfOf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

**Course Outcome Attainment**

The course outcome attainment is broadly done in two parts

namely Internal and External Assessment. The weightage for Internal Assessment is 80% and External Assessment is 20%.

- **Internal Assessment (60%):** Internal Assessment are measured from direct evaluation and indirect evaluation which has a weightage of 80% and 20% respectively.
  - **Direct Evaluation (80%)** display the student's knowledge and skills from their performance. The direct evaluations done 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 with 80% weightage and preliminary examination with 20% weightage.
  - **Indirect Evaluations (20%)** includes course exit survey which is taken upon completion of the course.
- **External Assessment (40%):** The external evaluations include End Semester Examination (ESE) conducted by the University.

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

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://fcrit-my.sharepoint.com/:w:/g/personal/igac_fcrit_fcrit_ac_in/ERcsgblJwhRKsFuaEzY6x-MB3eLwGdb-OoYlIDn0VjjZgg?e=y7smyd">https://fcrit-my.sharepoint.com/:w:/g/personal/igac_fcrit_fcrit_ac_in/ERcsgblJwhRKsFuaEzY6x-MB3eLwGdb-OoYlIDn0VjjZgg?e=y7smyd</a>

<b>2.6.3 - Pass percentage of Students during the year</b>	
<b>2.6.3.1 - Total number of final year students who passed the university examination during the year</b>	
390	
File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ETeLFBHbe9dIr6UqvnO4ahABqdBcskiZYN5C72BFGI6YhO?e=EruPGS">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/ETeLFBHbe9dIr6UqvnO4ahABqdBcskiZYN5C72BFGI6YhO?e=EruPGS</a>
<b>2.7 - Student Satisfaction Survey</b>	
<b>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)</b>	
<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EY4ZUHwDubxJsk5ZC-u76bEB-be09xfQjmNUHvGFpqfmKQ?e=EdP9Nz">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EY4ZUHwDubxJsk5ZC-u76bEB-be09xfQjmNUHvGFpqfmKQ?e=EdP9Nz</a>	
<b>RESEARCH, INNOVATIONS AND EXTENSION</b>	
<b>3.1 - Resource Mobilization for Research</b>	
<b>3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)</b>	
<b>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)</b>	
8.4881	

File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

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

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

19

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

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

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

2

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://fcrit-my.sharepoint.com/:w:/g/personal/igac_fcrit_fcrit_ac_in/EYuCCUvdThdAsjPN-mU_vuwBUU0ooILl4ZSPCWcVKZp1tA?e=eTygch">https://fcrit-my.sharepoint.com/:w:/g/personal/igac_fcrit_fcrit_ac_in/EYuCCUvdThdAsjPN-mU_vuwBUU0ooILl4ZSPCWcVKZp1tA?e=eTygch</a>

### 3.2 - Innovation Ecosystem

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

3.2.1. Institution has created an ecosystem for innovations including Incubation centre and other 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. It provides support to startup companies in terms of Consultation, Business Plan assistance, growth acceleration, product prototyping, infrastructure, mentorship and seed funding.

Other initiatives for creation and transfer of knowledge

Laboratories are well equipped and provide an adequate infrastructure required for research.

Our institute is recognized as Research center by University of Mumbai in Mechanical Engineering, Electronics and Telecommunication Engineering and Electrical Engineering.

The library is well resourced 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.

E-cell fcrit is now under formation to motivate and help students to work on their innovative ideas leading to a startup before graduation from institute.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://ciba.org.in/mumbai/">https://ciba.org.in/mumbai/</a>

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

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

12

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.3 - Research Publications and Awards

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

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

4

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

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

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

28

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

#### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

42

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

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

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

Since the time of inception in 2018, the NSS and EBSB cells have organized activities like AIDS Awareness, COVID-19 Awareness, Vaccination Awareness Campaign, Health and fitness session, Yoga Workshop, Animal welfare, Save Water campaign etc.

NSS FCRIIT has provided support to needy by distributing ration during pandemic. Besides, they have also dealt with issues like stigma attached with AIDS, misconceptions regarding Vaccination



etc. To understand the importance of good health, and to develop a positive approach towards life, health and fitness workshops were organised. Prana Yoga workshop helped participants to practice yoga and meditation to open the doors to spirituality. The Animal Welfare Club of NSS FCRIIT offered food and water to birds during summer, few students made bird feeders by recycling waste materials. The Green Initiative club of NSS unit encouraged growing and nurturing plants at home and to save water. The cyber security club organised activities to spread awareness about internet habits, cyberattacks, cyber laws, social media security, passwords.

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

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

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

1

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

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

19

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

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

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

884

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.5 - Collaboration

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

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

131

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

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

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

5

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

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

#### Main building :

Administrative offices, IT, Humanities and Basic Sciences Department and Central library with two floors covering, 775.26 sq. m. 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 24 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 737 computers with internet facility (speed 200 Mbps), 33 legal application software's, 6 legal system software's, and 75 printers are available.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EckJLbeubPNNpHs6JoHHsdgBszcOJTpBc7AXi2PxAvcJkg?e=EhdmLM">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EckJLbeubPNNpHs6JoHHsdgBszcOJTpBc7AXi2PxAvcJkg?e=EhdmLM</a>

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

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

**Sports Activities:**

A playground for outdoor games like cricket, volleyball, basketball etc. are available. Agnel Badminton Academy located on the 7th floor of Annex building has 4 badminton courts of international standards. This Academy has tied up with Badminton Gurukul, an initiative of Shri. 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	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZ-D88y5SEZKqIKgKEGzSZwBWO4mXAPKZdOe9IYTkkEdAg?e=ECjfBf">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZ-D88y5SEZKqIKgKEGzSZwBWO4mXAPKZdOe9IYTkkEdAg?e=ECjfBf</a>

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

27

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:f:/g/personal/igac_fcrit_fcrit_ac_in/Eh2sYOJAhE5Pm66IMJ3BzuQBU-bZ2HGErVex2en_gyjJlQ?e=4DAqqs">https://fcrit-my.sharepoint.com/:f:/g/personal/igac_fcrit_fcrit_ac_in/Eh2sYOJAhE5Pm66IMJ3BzuQBU-bZ2HGErVex2en_gyjJlQ?e=4DAqqs</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

386.82

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

**Name of software: Library Management System**

KOHA Library management system is customized on KOHA platform.

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

Through OPAC

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

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

**Nature of automation (Fully or Partially): Fully Automated**

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

Version: KOHA Library management system (18.11.02.000)

Year of Automation: 2017

Description of the Library:

FCRIT Central Library is located in the Main building on 1st and 2nd floor. The total area of the central library is 775.26 sq.m. Central Library is serving its facilities to all students, staff and faculties of degree, diploma, and ITI. Reading Hall, Circulation Section, Baggage Counter, Multimedia Section, Reprographic Section and Librarian's Cabin are available on the 1st floor. While Reference Section, Journal/Magazine Section, Newspaper Section as well as Reading Hall are located on the 2nd floor.

Central Library timing is 8.45 AM to 11.00 PM and it remains closed on holidays, Sundays, and 2nd and 4th Saturdays. Students can issue 3 books for one-week duration. Faculties can issue 7 books for 6 months' duration. Central Library has centralized AC facility. It has seating capacity of two hundred and fifty.

Total collection of the central library is 50130 out of which FCRIT (degree) collection itself is 25401 (22011 in Central library and 3390 in Department library) books which includes textbooks and reference books. We subscribe print journals and magazines and e-journals (IEEE and ASME) and e-books (Springer e-book).

We have an Institutional membership with IIT Bombay Library through which our students and faculties can access the resources of the IIT library as well.

We have two types of Ex-student membership facility. First is only for reading (Rs.500/- for one year) and second is lending of 2 books for 15 days (Rs.1500/- for one year out of which 1000/- is refundable)

1. Details of library holding (FCRIT):

1. Central Library + Department Library

Items

Number

**Book Titles**

6814

**Volumes**

22011 + 3390 (Department Library) = 25401

**National Journals (yearly subscription)**

35

**International Journals**

08

**National Magazines (yearly)**

05

**Springer e-book**

2044

**ASME e-journal**

33

**IEEE ASPP POP e-journal**

205 (ASPP)

1443 (POP)

**1. Department Library**

**Items**

**Number**

**Books**

3390



**Titles**

1445

**Thesis:**

**Ph.D. Dissertations**

13

**M.E Thesis**

203

**1. Initiatives to render library services**

- Central Library is providing text books and reference books to students as per prescribed syllabus. Apart from text books and reference books, library is having collection of Motivational Books, Competitive Examination (GATE, etc.), Encyclopedia, Dictionaries, Communication Skills, Religious Books.
- The Central library is enriched with good numbers of rare books (either early edition and not available now or limited edition or handbook or very costly book). Various rare books can be downloaded from Rare Book Society of India (RBSI) (<https://www.rarebooksocietyofindia.org/home.php>)
- All books are arranged subject wise according to Dewey Decimal Classification 21st edition, for easy retrieval of books.
- Spacious reading rooms are there for students and staff.
- 10 Multimedia PCs with internet connectivity are available for students to access e-resources of the library including NPTEL videos.
- Online library portal [library.fcrit.ac.in](http://library.fcrit.ac.in) is made through which student and staff can access e-learning resources.
- Original an anti-plaguarism software is subscribed under FCRIT
- Ouriginal is a software solution that combines text-matching with writing style analysis, enabling educators and users to assess the authenticity of any text.

Our original can be seamlessly integrated into our current workflow, whether we use it through a learning management system (LMS) or as a stand-alone product.

- It fosters fairness and sparks creativity among students, facilitating personal development by unlocking their full potential.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EY44PhS_8V1GiIUcEWOnDOBp3mV_ZUtDxinkzFa7JCEmw?e=qdSHwH">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EY44PhS_8V1GiIUcEWOnDOBp3mV_ZUtDxinkzFa7JCEmw?e=qdSHwH</a>

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

**B. Any 3 of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

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

**11.277**

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

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

##### 4.2.4.1 - Number of teachers and students using library per day over last one year

4148

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

#### 4.3 - IT Infrastructure

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

###### 1. 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. The internet is upgraded to 200 Mbps from year 2021.

1. 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.

1. 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.

1. Licensed Software:

1. The institute holds licenses for 33 application software. Few of them are:

MATLAB, Simulink, Xilinx, Proteus, IE3D, Ansys HFSS 19R2

(Research package), Ansys 18 , Labview, PLC, AutoCad, PS -SINCAL.

2. Institute has licenses for Operating System such as Microsoft Campus

agreement license and Microsoft Perpetual licenses.

File Description

Document

Any additional information

1. Server details
2. Architecture plan of It infrastructure
3. Internet bills of 2020 and 2021
4. List of WiFi Access points and location
5. Invoices of software purchased in 2020.
6. Invoice of Microsoft Campus agreement
7. SSL security certificate
8. IT facility photographs

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/r/personal/igac_fcrit_fcrit_ac_in/Documents/AOAR%202020-2021/Criteria%204/4.3/4.3.1/4.3.1.pdf?csf=1&amp;web=1&amp;e=TiRHyl">https://fcrit-my.sharepoint.com/:b:/r/personal/igac_fcrit_fcrit_ac_in/Documents/AOAR%202020-2021/Criteria%204/4.3/4.3.1/4.3.1.pdf?csf=1&amp;web=1&amp;e=TiRHyl</a>

**4.3.2 - Number of Computers**

675

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

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

A. ? 50MBPS

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

**4.4 - Maintenance of Campus Infrastructure****4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

366.869

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

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

Academic and support facilities

Laboratories and Classrooms are maintained at department level.

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

Portal maintenance: \* library Portal - Librarian and team

\*LMS - Teacher In-charge

\*APMS - computer department faculty

Cafeteria: FCRIT is in process of constructing new canteen facilities for our students. Current cafeteria facilities are spacious and well-ventilated providing refreshments to students all throughout the day

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

Institute has several CCTV cameras installed at premises which are regularly monitored and maintained by the system administrator, well maintained toilets (including for physically challenged persons) are available. The rainwater harvesting

facility facilitates water requirement for gardening purpose. The generators, maintained by the team lead by Dr. Sushil Thale are provided in the campus to take care of any electricity failures, ramp facilities for the handicapped student's.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Ed2vvbFbZGVBsoTCAnmRvuoBpFcXoXUT6J0Pcdl4zFeRkA?e=XKdF">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Ed2vvbFbZGVBsoTCAnmRvuoBpFcXoXUT6J0Pcdl4zFeRkA?e=XKdF</a> <a href="#">Fc</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

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

406

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

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

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

16

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

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/ErzLE9qS4FFD_kawq-isLPHYB1zj-PX-UqsXxR2iiqSx3_w?e=ItiFmC">https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/ErzLE9qS4FFD_kawq-isLPHYB1zj-PX-UqsXxR2iiqSx3_w?e=ItiFmC</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

850

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

850



File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

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

**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## **5.2 - Student Progression**

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

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

**204**

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

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

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

68

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of student progression to higher education	<a href="#">View File</a>

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

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

47

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

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

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

2

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

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

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

Students are representing in various statutory committees.

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

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 D.A.B, give active feedback in teaching-learning method, gap identification syllabus, academics, and infrastructure. Students are members of departmental associations professional bodies. The student representatives help Training & Placement Officer to organize various placement activities.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EY8iSxOBsnVC_oXk7IvXs-iUBCu07ib8FyryFsMfqT49IHg?e=fcfZyR">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EY8iSxOBsnVC_oXk7IvXs-iUBCu07ib8FyryFsMfqT49IHg?e=fcfZyR</a>
Upload any additional information	<a href="#">View File</a>

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

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

61

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	<a href="#">View File</a>

### 5.4 - Alumni Engagement

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

The alumni association was registered under society registration act 1860 on 9th July 2008 in the name Fr. CRIT ALUMNI ASSOCIATION(FRAMES) also registered as a Trust. 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

Various guest lectures conducted by our Alumni for the current students, 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.

Been part of the departmental advisory board, they have active participation in the development activities of the department as well as active role in suggesting new course program. Regular feedback is taken from the alumni to help in the overall development of students. Sharing their professional experience makes students aware of recent trends/ technologies in the industry.

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWRoc3GqZCJBpc6qAKYc3MEBvsOX3LSjkUvdIsLDbiNB3Q?e=ZqTqe4">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWRoc3GqZCJBpc6qAKYc3MEBvsOX3LSjkUvdIsLDbiNB3Q?e=ZqTqe4</a>
Upload any additional information	<a href="#">View File</a>

<b>5.4.2 - Alumni contribution during the year (INR in Lakhs)</b>	<b>E. &lt;1Lakhs</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
<b>GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>	
<b>6.1 - Institutional Vision and Leadership</b>	
6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution	
<p><b>Vision</b></p> <p>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.</p> <p><b>Mission</b></p> <p>To provide industry oriented quality education.</p> <p>To provide holistic environment for overall personal development.</p> <p>To foster relationship with other institute of repute, alumni and industries.</p> <p>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.</p> <p>The Principal is the leader of administrative system of the institution, who with the approval of governing council may create various posts for effective administration of the institute. Apart from the heads of department few deans posts are created at the institute level such as academics, student</p>	

affairs, research and development, post-graduation studies, faculty, Faculty in charge of Training and Placement 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	<a href="https://fcrit.ac.in/about-us/dean#list">https://fcrit.ac.in/about-us/dean#list</a>
Upload any additional information	<a href="#">View File</a>

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

**Exam Cell:**

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

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

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

wherein all responsible teams play a role in planning, executing and monitoring of process for effectively completion of entire process as this broader framework put in place.

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

## 6.2 - Strategy Development and Deployment

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

Engineering education is of vital importance to people everywhere and is central to enhanced living standards, healthier lives, and more sustainable environments. To keep up with the fast pace of technological change, the FCRIIT's graduates become lifelong learners who recognize the need to refine their skills and to "reinvent themselves" as needed to pursue new areas of research, design, and problem solving. Strategy plan is prepared to become autonomous institute within five years to deliver quality education.

Autonomy helps to accelerate the attainment of above mentioned goals, which are in consistence with our vision. Therefore, institute has prepared a strategic plan to become autonomous, which involves various initiatives such as,

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

Out of these few are either achieved or in process of completion. Application for autonomy will be submitted only after registration under section 2F and 12B of UGC act.



File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://fcrit.ac.in/about-us/institute_roadmap">https://fcrit.ac.in/about-us/institute_roadmap</a>
Upload any additional information	<a href="#">View File</a>

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

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

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

- • Institute admission provided for staff members

children in our school managed by trust with concession in fees from 25% to 100% based on cadre.

- • Concession in fees for higher education as per norms set by government of Maharashtra in the institute managed by the trust.
- • Sponsorship for higher studies with full pay.
- • Registration fee upto 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	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdtmObr_9VRPmo_padkE28wBR0rwIJAfXOcRZ-YFNqOYvA?e=54CzqU">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdtmObr_9VRPmo_padkE28wBR0rwIJAfXOcRZ-YFNqOYvA?e=54CzqU</a>
Upload any additional information	<a href="#">View File</a>

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

#### 6.3.2.1 - Number of teachers provided with financial support to attend

**conferences/workshops and towards membership fee of professional bodies during the year**

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

4

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

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

59

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

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

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

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

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

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

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

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

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EaQfaU4ZTUxDheOgUgX6WwQBqyJyKkCHIL002iu6oRg94g?e=VPn6yn">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EaQfaU4ZTUxDheOgUgX6WwQBqyJyKkCHIL002iu6oRg94g?e=VPn6yn</a>
Upload any additional information	<a href="#">View File</a>

#### 6.4 - Financial Management and Resource Mobilization

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

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

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

An external auditor appointed by the trust executes the

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EaGe9o3IuA9Njy1p2CGMBEwBpK7jppjuy6eLAdAlF205-TA?e=YW57nv">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EaGe9o3IuA9Njy1p2CGMBEwBpK7jppjuy6eLAdAlF205-TA?e=YW57nv</a>
Upload any additional information	<a href="#">View File</a>

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

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

1.22

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

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

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

However, when there is a shortage of funds or requirements of building physical infrastructure, Agnel Charities' trust supports the institute. The Principal and the Head of Departments discuss the requirement and decide the priorities while allocating available financial resources for various purposes. The recommendations made by the head of the institute are normally approved by the Managing Director and local committee, which is submitted to the governing council for final approval.

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

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

## 6.5 - Internal Quality Assurance System

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

### Practice 1: Course Audit

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



**Practice 2: Ensuring question papers quality**

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ETXXn8J7FTVKpDhmBHW08poB9gfXAJ0cYf2ZhCZP7k5pRQ?e=5gd5TY">https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ETXXn8J7FTVKpDhmBHW08poB9gfXAJ0cYf2ZhCZP7k5pRQ?e=5gd5TY</a>
Upload any additional information	<a href="#">View File</a>

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

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

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

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

**Example 2: Attendance monitoring through APMS**

The attendance of all the students throughout the semester are

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

File Description	Documents
Paste link for additional information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZa9KhLqZJdOuA98MyBP1TwB18LVOxyXdGiv-rm9b0zkhw?e=OYZW8C">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZa9KhLqZJdOuA98MyBP1TwB18LVOxyXdGiv-rm9b0zkhw?e=OYZW8C</a>
Upload any additional information	<a href="#">View File</a>

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

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Eep0PUtoLqVCkyELKKFof0MBIHrdm-C2bCTN3ZLjNqd8Rw?e=1t41LI">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/Eep0PUtoLqVCkyELKKFof0MBIHrdm-C2bCTN3ZLjNqd8Rw?e=1t41LI</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

The Institute is keen to provide facilities for women on campus in terms of safety & security, counselling, and separate common rooms for girls & boys. In the continuation of tradition the year 2020-21 also witnessed various programmes to promote gender equity organized on online platform in the pandemic. The details of the programmes are as follows -

1. Self- defense workshop -Conducted on February 26 -27, 2021 ,

The presentations gave a wide spectrum of knowledge related to Self Defense.

1. SAMVAAD 2021- Conducted on February 26 -27, 2021

The Institute arranges an Oxford Format Debate Competition named "SAMVAAD" every year.

The theme for this year : Skewed Perceptions: Looking through the Socio-Psycho-Polit Prism."

1. Seminar on Work-Life balance for women and Women's day celebration

IC committee for Prevention of Sexual Harassment of women at work place had organized this Seminar.

Talk with the Doc : Women Health, held on April 11, 2021

IEEE FCRIIT in collaboration with ICC for PPSHWESRG had organized an interactive session & it was attended by the audience of all age groups.

File Description	Documents
Annual gender sensitization action plan	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWjMmIS5q4xEil8wt9q8eDsBcIzA3MOnjdQaruj2_ojYvA?e=4emZxa">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EWjMmIS5q4xEil8wt9q8eDsBcIzA3MOnjdQaruj2_ojYvA?e=4emZxa</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdT5vvu3WblKlmysCrbLUI4B_V6ayY9omm9dkJ6w9K2N2g?e=2xhN8U">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EdT5vvu3WblKlmysCrbLUI4B_V6ayY9omm9dkJ6w9K2N2g?e=2xhN8U</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

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

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

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

The following are the details of the same

## 1. Solid waste management

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

### 1. 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 used for gardening and flushing in the washroom. These plants are located inside the campus

### 1. E-waste management

The students as well as staff members of the institute has organised E- waste collection drives throughout the year to spread awareness about the correct disposal of electronic items thus helping in pollution control. The wholehearted participation of all the students & staff resulted in collection of 352.48 kg E-waste which was later sent to Envirocare Recycling Pvt. Ltd., Jogeshwari for further recycling.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

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

**B. Any 3 of the above**

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

<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b>  <b>1.Restricted entry of automobiles</b> <b>2.Use of bicycles/ Battery-powered vehicles</b> <b>3.Pedestrian-friendly pathways</b> <b>4.Ban on use of plastic</b> <b>5.Landscaping</b>	<b>A. Any 4 or All of the above</b>
<b>File Description</b>	<b>Documents</b>
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<b>No File Uploaded</b>
Any other relevant documents	<a href="#">View File</a>
<b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b>	
<b>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</b>	<b>A. Any 4 or all of the above</b>
<b>File Description</b>	<b>Documents</b>
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<b>No File Uploaded</b>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
<b>7.1.7 - The Institution has disabled-friendly, barrier free environment Built</b>	<b>B. Any 3 of the above</b>

**environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

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

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

The institute is proactively organizing various activities ,events to provide an inclusive environment. The NSS unit, Unnat Bharat Abhiyan unit, SEED unit of the institute has taken up the step ahead to initiate various programmes through online mode to reach out to maximum people in the severe pandemic situation. To name a few activities -COVID-19 awareness, Prana yoga workshop, animal welfare poster making competition, care for birds initiative, save water, selfie with my plant initiative , vaccination awareness drive, village development plan, vruksha prashanawali etc. All the faculty members along with the students have actively participated in the E-waste collection drive thus helping to curb the pollution & creating awareness regarding safe disposal of the hazardous waste.

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

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

To adhere to the need of sensitization of students & employees, to make them responsible citizens, the following activities were organized in the institution-a webinar on Emotional Intelligence, one week Art of Living programme for the new entrants. Along with this the Mumbai University syllabus for the Engineering students for the subject Professional Communication and Ethics-I plays an important role in inculcating a set of professional ethics apart from their own personal value system. The subject is taught to the new entrants in the semester II , There is a more enhanced subject in semester 5, Professional Communication & Ethics-II, when the students are older and would be moulding themselves for placements and higher Studies Along with this our Institute has collaborate with Tata Institute of Social Sciences to impart training to the students in various skills like leadership, financial literacy, Professional Ethics, etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EQpIsyI8XeBJvlr1K_lxcBA7jEa0qiGRlP0lvlpDnZXA?e=2as8ba">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EQpIsyI8XeBJvlr1K_lxcBA7jEa0qiGRlP0lvlpDnZXA?e=2as8ba</a>
Any other relevant information	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EQpIsyI8XeBJvlr1K_lxcBA7jEa0qiGRlP0lvlpDnZXA?e=2as8ba">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EQpIsyI8XeBJvlr1K_lxcBA7jEa0qiGRlP0lvlpDnZXA?e=2as8ba</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and**

**C. Any 2 of the above**



**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**

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

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

**Independence Day 2020**

Since the lockdown was still in place, few students and staff members were at the venue to celebrate the 74th year of Independence of our Nation. The day was commemorated to all our freedom fighters, our soldiers fighting for our land, the martyrs over the years and our still struggling frontline warriors. All strict lockdown protocol, safety measures and social distancing was maintained at all times.

**Republic Day-2021**

January 26, 2021 marked our Republic day during the grim situation of the COVID 19 pandemic and the lockdown. Our institute, as a sign of respect to our Nation, freedom fighters and our national leaders, had a flag hoisting ceremony, in keeping with the strict lockdown protocol and safety measures. The flag was hoisted by the MD of our college, Rev. Fr. Almeida and approximately 7-10 people attended the venue.

We would like to commemorate the day to our frontline warriors also , who are striving every day to make this nation a safer place to live in.

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

## 7.2 - Best Practices

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

### Best Practice-1:

#### 1.1 TITLE-OF-THE-PRACTICE

Institutional Support for Qualification Enhancement and Skill-Upgradation

#### 1.2 Objective-of-the-Practice

- Knowledge-upgradation in the respective field of Engineering.
- Professional growth of faculty-members.
- Acquaintance with present skill-sets required by the industry.
- Enhancing Practical-orientated and Research-based teaching.

#### 1.3 Need-Addressed-and-the-Context

The Institute's vision is to provide modern technical education for the development of self-sustainable professionals. In order to accomplish this, it is essential to have on roll highly qualified and knowledgeable faculty members. As we can perceive the ever expanding growth & dynamism in technology, it is imperative for all present to adapt to these changes with frequent updates and upgrades. The Institute strongly believes that every employee deserves to grow as a professional and

therefore encourages and motivates them to pursue research and development. Faculty members' professional growth is equally important and it can be done through motivating them to pursue research, attend training programs and conferences, to align with rapid changes in technologies.

#### 1.4 The-Practice

Faculty knowledge-enrichment is possible mainly through qualification upgradation as per institute policy and minimum-qualification requirement by statutory body. The Institute has devised a policy of sponsorship for qualification-upgradation to ME/M.Tech and Ph.D. from 1998-1999. The institute also supports those faculty-members who are willing to do post-doctoral work.

##### Sponsorship Policy

Faculty members are sponsored from each department for M.E/M.Tech. and Ph.D. program with full salary as per the seniority. During their period of study (two-years for M.E/M.Tech. and 3-5 years for Ph.D.), they are relieved from all administrative work and their teaching load is reduced to 6-10 hours per week. They have to enter into a mutual bond with the institute, which is 2-years of service for M.Tech. and 5 years of service for Ph.D. after their graduation.

##### Training and Conference Support Policy-

The institute encourages faculty members to attend training programs, NPTEL, Swayam online courses, national conferences and international conferences in India/abroad. Duty-Leaves, third-AC to-and-fro rail fare and registration-fees are given to the faculty members to attend the training programs and conferences in India. However, full registration-fee and one-way economy class air-fare are given to the faculty members traveling abroad for attending the international-conferences.

##### R&D Support Policy

Institute motivates faculty members to carry out research work by making budgetary provision up-to Rs. 12,00,000/-.

##### Incentive Mechanism Policy

Institute has clearly laid down incentive mechanism policy

based on individual contribution in various areas such as research activity, consultancy work/R&D, book writing and receiving patent. The faculty members can avail of incentives for professional society membership or subscribing to journals.

#### Road-Map

Faculty members are encouraged to generate a roadmap for a duration of five years to enhance growth in the research-work, upgrade knowledge and skill in their domain areas; faculty members prepare activities map for next five-years as road-map, which has started from the year-2017.

#### 1.5 Evidence-of-Success

The impact of institute-support in quality-enhancement are:

- Many faculty-members completed higher studies as well as PhD.
- High Retention (Average-work experience within-the-institute is around 16-years.)
- Attending more workshops, training-programs etc.
- Many faculty members have attended National & International Conferences and Seminars.
- Higher number of publications (Around 700 Journal and Conference publications in the last 5-years).

#### 1.6 Problem-Encountered-and-Resources Required

We are sponsoring for PhD program to 3-4 faculty members currently. This has actually resulted into increasing little burden on other faculty members.

As per the faculty ratio requirement, faculties are being appointed. Hence major financial resources are encountered.

Any functional institute requires resources mainly in terms of human, finance and laboratory for effective implementation.

#### Human Resources

Our institute has sufficient number of faculty to manage the teaching-load of the faculty-member sponsored for higher studies. Salary expenses are taken care of through budgetary provisions.

## Financial Resources

Institute sanctions Rs. 12,00,000/- as Research-Fund in every financial-year for research activities only. Additional expenses towards travelling and registration for attending training-program and conferences are paid to faculty members. These financial provisions are made in the institute budget.

## Laboratory and Instrumentation

Laboratory-infrastructure is augmented and modernised for future research activities continuously through the budgetary provision as well as model project through AICTE and research funding through BRNS and industries. Exclusive area is provided for research work in Project and R&D labs. Institute started motivating students to use these developed facilities after college hours.

## 1.7 Notes For Adoption

Intent of the management is to provide quality education through qualified and knowledgeable faculty members by providing the required resources to all teaching faculty Along with right intent proper planning, implementation and monitoring is highly required.

## Human Resources

Our institute has sufficient number of faculty to manage the teaching-load of the faculty-member sponsored for higher studies. Salary expenses are taken care of through budgetary provisions.

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Best-Practice-2:

#### 2.1 TITLE-OF-THE-PRACTICE

Integration of IT based Solution for Continuous Evaluation of Students

#### 2.2 OBJECTIVES-OF-THE-PRACTICE

Continuous evaluation of the students is very crucial in the education system as it brings into focus the introduction of further actions required to be taken for effective implementation of the Teaching-Learning process. Effective learning by students helps them in developing their analytical, logical, and creative thought process along with necessary technical-skills. Use of IT-based solutions helps in efficiently analyzing the learning by the students and planning further necessary actions.

Objectives:

1.To develop in-house IT-platform for CO-PO attainment-computations, uploading study-material, conducting various feedbacks, etc.

2.To inculcate habit of effective-and-focused learning in classroom

3.To develop analytical, logical, and creative abilities along with necessary technical-skills

4.To identify slow and fast-learners for further action

## 2.3 THE-CONTEXT

All faculty members were facing typical problems in continuous evaluation system in the context of outcome assessment for each and every student. To address this problem, Technology can be the best tool which will reduce the burden and time taken for assessment tasks.

1. We started developing an in-house IT-platform for computation of outcome-attainments, monitoring students' academic-performance and attendance -record, automated term-work marks calculations, collecting various feedbacks, etc. at the click-of-mouse.

2. How to identify slow-learners and what additional support-mechanism needs to be developed for them?

3. How to identify fast-learners and what additional benefits can be offered to them for sustaining their motivation?

4. Based on students' feedback on Teaching-Learning what further actions are needed by teacher for improvement in teaching-process resulting in enhanced-learning by students?

5. How the assessment and evaluation process can be made transparent to the students for giving them critical-feedback on their learning and helping them to improve in future?

6. How to prepare the mind-set of the students for smooth-transition into the corporates?

## 2.4 THE-PRACTICE:

### 1. Use of IT-Platform:

Our teachers have developed in-house IT-platforms named 'Academic Performance Monitoring System (APMS)' and 'Learning Management System (LMS)' to convert existing practices into

technology-driven practices.

APMS: Advantages are entering Course Outcomes, CO-PO-PSO mapping, goal-setting, CO-wise assigning of "Assessment-tools", entering marks for assignment-test, internal assessment-test, prelims, end-semester examination, computation of CO, PO, and PSO-attainments, finding academic-defaulters, entering attendance and finding attendance-defaulters, conducting various feedbacks and analysing them, etc. Basically, the APMS does an overall evaluation, assessment and appraisal of each and every student very objectively, precisely and within time.

LMS: Advantages are uploading notes/assignments/quizzes, on-line evaluation of assignments, etc. for easy access to the teacher and learner

## 2. Innovative Methodologies in Teaching-

Learning and Evaluation for Transforming Thought-Process of the Students: Well in advance before beginning of a new-semester all the teachers prepare the lecture-plan, carry-out mapping of Course-Outcomes with the course to be delivered in the respective semester. Furthermore, the faculty is required to create:

(a) Content-delivery-tool introducing innovation in teaching

(b) Course-assessment and evaluation plan for in-semester and end-semester examinations. The examination is conducted in various modes such as theory paper, assignments, oral assessments, quiz, etc.

## 3. Slow-Learners:

Slow-learners or students weak in academics are identified based on some of the following criteria:

(a) The continuous assessment history of their academic-performance

(b) Based on marks scored in internal-assessment tests. Those who score less than 12-marks out of 20 in tests are identified as slow-learners and revision/remedial classes are conducted for them. Post remedial classes impact analysis is carried out after the end-semester examination.



#### 4. Fast-Learners

Based on teacher's observations in class, laboratory, active participation/performance in co-curricular activities/competitions at various-levels, etc. fast-learners are identified and they are encouraged for additional learning as per pre-approved policy-framework.

#### 5. Students' Feedback on Teaching-Learning:

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 in Teaching-Learning process, if the feedback under 'satisfactory' category is above a particular-level. Appreciation certificates are given to the faculty when the overall feedback under 'Excellent' category is above a particular-level.

#### 6. Transparent Evaluation-Process:

All the in-semester evaluations are carried out based on well-defined rubrics, solutions are discussed in the class, and answer-papers are shown to the students. For end-semester examination Mumbai-University norms are followed for reevaluation, photo-copy of answer-book, etc. Students can approach the grievance committee if they feel so.

#### 2.5 EVIDENCE-OF-SUCCESS

- Consistently excellent end-semester examination results in final year (around 100%).
- More than 85% of the students admitted in first year graduate in a stipulated 4-year duration.
- Every-year passing-percentage of our FE-students (around 80%) is almost double compared to the overall Mumbai-University results (around 40%).
- On an average 85% among the eligible-students are placed in-campus. The employers prefer our students and have been consistently coming back year-after-year.
- Our alumni are successful in their professional-career and many of them are now successful entrepreneurs.
- On an average every year 10-to-15% of the students enroll for higher-studies.
- Many of them have completed their Ph.D. from reputed

foreign Universities.

## 2.6 PROBLEMS-ENCOUNTERED-&-RESOURCES-REQUIRED

1. Assigning time-slots for conducting revision/remedial classes and placement-related activities was a challenge as these activities are scheduled after the working hours.

2. Converting unique existing system into IT-platform was the challenge as both the students & faculty were needed to collaborate to develop it as per the requirement of the institute.

## 2.7 NOTES-FOR-ADOPTION

1. Vision of the Management  
2. Administrative capabilities and vision at the Principal and Head-of-the- Department level

3. Sincere, dynamic, dedicated, hardworking, and motivated faculty

4. Students acceptability of this process followed by the Departments/Institute.

File Description	Documents
Best practices in the Institutional website	<a href="https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZw6iewrENVJu-fOR7zDybkBjlIByuoI5ydhkXLVZbjjwA?e=xr8kn7">https://fcrit-my.sharepoint.com/:b:/g/personal/igac_fcrit_fcrit_ac_in/EZw6iewrENVJu-fOR7zDybkBjlIByuoI5ydhkXLVZbjjwA?e=xr8kn7</a>
Any other relevant information	Nil

## 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

Generation of self-sustainable professionals through value based, holistic development'

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 institute lays emphasis on instilling ethics and a feeling of social responsibility not just in the students, but in the working staff as well. FCRIT is seen as a brand for Value Based Education and is renowned for setting high standards of ethical practices. Transparency amongst all channels of communication and functioning ensures that these standards are always at its epitome.

Every individual student is mentored to plan, organise and deliver their work in a systematic and professional way due to which they learn to function in target time, within deadlines. Each student is exhorted to become the best versions of their earlier self. Ample opportunities are created by the institute to enable our students to question, research, create and present not just technical aspects but more importantly the various non-technical dimensions applicable to lifelong learning. We are strongly focused on building citizens for the nation; therefore, our system incorporates many occasions where students are introduced to national and global achievers through International Conferences, Seminars, Webinars, Workshops and collaborations with top grade institutes with values aligned with ours (like TIFR, TISS, etc.) Our Institute strongly believes that experiential learning is imperative and therefore we create opportunities for students by increasing industrial exposure and encouraging self-learning through internships. We have students interning at esteemed institutes like IIT-B, IISc and international universities too.

Every working day begins with morning assembly, which primarily focuses on meditation, a universal prayer, national and local news and an immersive thought for the day. The Managing director and the Principal have made it a practice to express their thoughts to the students on days of National importance. This goes a long way in instilling staunch values and groundedness in the students. Our focus is to continuously and consistently reinvent ourselves, and one way of achieving this is by constantly encouraging our students to reinvent themselves. Along with this, professional values of planning ahead of time and precise execution is inculcated amongst the students as well as the faculty. The college is well equipped with lab facilities and infrastructure to assist in the proper and channelised development of Employable Engineering Graduates. FCRIT can proudly proclaim that we function smoothly on our in-house software's like LMS and APMS.

Despite the rigorous academic curriculum, our students enthusiastically make time for social work, cultural, sports, gender equity and many other secular activities. 'Vasudhaiv Kutumbakam' is a value we strongly uphold. We believe that nurturing our students, training them through Value and Outcome based education and allowing them an open and resourceful space to develop their curiosity and present it actively, will help us achieve our mission of developing self-sustainable professionals with ingrained ethics and values.

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

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

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

The Autonomy model proposed by the institution is characterised by project based & experiential learning approach where the students are provided with opportunities to get hands-on experience of working with various projects to enhance their employability skills, both technical & non-technical.

The model has flexibility wherein the advanced learners can complete the credits one semester earlier than others & that period can be utilized for internships, entrepreneurship activities, and the startup system.