# Yearly Status Report - 2019-2020

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1. Name of the Institution** | **AGNEL CHARITIES FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY** |
| Name of the head of the Institution | **Dr. S.M.Khot** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **022-27771000** |
| Mobile no. | **8108504063** |
| Registered Email | **principal@fcrit.ac.in** |
| Alternate Email | **principalfcrit@gmail.com** |
| Address | **Agnel Technical Education Complex,Sector-9A, Vashi, Navi Mumbai** |
| City/Town | **Navi Mumbai** |
| State/UT | **Maharashtra** |
| Pincode | **400703** |

## 2. Institutional Status

| | |
|---|---|
| Affiliated / Constituent | **Affiliated** |
| Type of Institution | **Co-education** |
| Location | **Urban** |
| Financial Status | **Self financed** |
| Name of the IQAC co-ordinator/Director | **Dr Savitha S Upadhya** |
| Phone no/Alternate Phone no. | **02227771000** |
| Mobile no. | **9004908875** |
| Registered Email | **iqac.fcrit@fcrit.ac.in** |
| Alternate Email | **savitha.upadhya@fcrit.ac.in** |

## 3. Website Address

| | |
|---|---|
| Web-link of the AQAR: (Previous Academic Year) | https://www.fcrit.ac.in/static_pdfs/NAAC/SelfStudyReport.pdf |

## 4. Whether Academic Calendar prepared during the year

**Yes**

| | |
|---|---|
| if yes,whether it is uploaded in the institutional website: Weblink : | https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Ef2aVU_8vBhCtaBhiYbCMuwBtW0t3deD4-jwSVr2VPWV-Q?e=JPgLPS |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity | |
|---|---|---|---|---|---|
| | | | | Period From | Period To |
| **1** | **B++** | **2.99** | **2021** | **15-Feb-2021** | **14-Feb-2026** |

## 6. Date of Establishment of IQAC

**29-Jun-2019**

## 7. Internal Quality Assurance System

| Quality initiatives by IQAC during the year for promoting quality culture | | |
|---|---|---|
| Item /Title of the quality initiative by | Date & Duration | Number of participants/ beneficiaries |

| IQAC | | |
|---|---|---|
| Regular meetings of Internal Quality Assurance Cell - First IQAC | 29-Jun-2019 1 | 23 |
| Regular meetings of Internal Quality Assurance Cell- Second IQAC | 04-Jan-2020 1 | 23 |
| Application and uploading SSR for NAAC accreditation | 17-Dec-2019 1 | 1550 |
| Department level internal academic audit and Preview for the upcoming semester. | 02-Jan-2020 2 | 1550 |
| Question paper audit | 12-Aug-2019 4 | 100 |
| Participation in NIRF | 15-Feb-2020 1 | 1550 |
| [View File](#) | | |

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| Dr Hariram Chavan, Ms Dhanashree H, Ms Lakshmi G IT Dept | AICTE MODROB | AICTE | 2019 730 | 617000 |
| Mr Nilesh Varkute FCRIT, Vashi | Unnat Bharat Abhiyan | MHRD, GOI | 2019 365 | 50000 |
| Dr. R.P.R.C. Aiyer, Megha K, Manita R EXTC Dept | Research service qualitative requirement (NMRL) | Naval Materials Research lab | 2019 548 | 707410 |
| Ms. Smita Dange Computer Engineering Dept | Minor Research Proposal, University of Mumbai | University of Mumbai | 2019 365 | 35000 |
| Ms. Kavita Shelke Computer Engineering Dept | Minor Research Proposal, University of Mumbai | University of Mumbai | 2019 365 | 40000 |
| Ms. Shagufta Rajguru Computer | Minor Research Proposal, University of | University of Mumbai | 2019 365 | 25000 |

| | | | | |
|---|---|---|---|---|
| Engineering Dept | Mumbai | | | |
| Mrs. Suvarna Rode Mechanical Engineering department | Minor Research Proposal, University of Mumbai | University of Mumbai | 2019 365 | 60000 |
| Dr. Nilajkumar N. Deshmukh Mechanical Engineering department | Minor Research Proposal, University of Mumbai | University of Mumbai | 2019 365 | 40000 |
| Mr. Nilesh Sonu Varkute Mechanical Engineering department | Minor Research Proposal, University of Mumbai | University of Mumbai | 2019 365 | 40000 |
| Mr. Prasad A. Bari Mechanical Engineering department | Minor Research Proposal, University of Mumbai | University of Mumbai | 2019 365 | 60000 |
| [View File](#) | | | | |

| | |
|---|---|
| **9. Whether composition of IQAC as per latest NAAC guidelines:** | **Yes** |
| Upload latest notification of formation of IQAC | [View File](#) |
| **10. Number of IQAC meetings held during the year :** | **2** |
| The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website | **Yes** |
| Upload the minutes of meeting and action taken report | [View File](#) |
| **11. Whether IQAC received funding from any of the funding agency to support its activities during the year?** | **No** |

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

Accreditation process for NAAC as well as NBA is streamlined in terms of data compilation and report preparation.

Academic audit is initiated in appropriate format to improve the process driven teaching –learning process. Also Question paper audit has been started to facilitate outcome-based assessment and improve the quality of questions.

Participation in NIRF

| Streamlining of co-curricular and extra-curricular activities of all Departments at Institute level for better outcome and organization. |
|---|
| Started social initiatives such as NSS and Unnat Bharat Abhiyan for creating an awareness and exposure of social and village environment to our students. |

[View File](#)

**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

| Plan of Action | Achivements/Outcomes |
|---|---|
| Application and uploading SSR for NAAC accreditation | Uploaded the SSR on 17/12/2019 for NAAC accreditation and the Institute received B plus plus grade on February 15,2021 |
| Department level internal academic audit and Preview for the upcoming semester. | All the departments conducted Department level internal academic audit and Preview for the upcoming semester |
| Participation in NIRF 2020 ranking | Our Institute was ranked in the 201-250 band in the NIRF-2020 ranking |
| Approval of department wise activities proposed by the HOD's of the departments to cater to improve overall teaching learning objectives, Faculty development activities, Social related activities, Placement activities, Research related activities Extra and 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 6,17,000/- towards the MODROB proposal for modernization AI and Deep learning lab dated 04/12/2019 |
| [View File](#) ||

| **14. Whether AQAR was placed before statutory body ?** | No |
|---|---|
| **15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?** | No |
| **16. Whether institutional data submitted to AISHE:** | Yes |
| Year of Submission | 2019 |

| Date of Submission | 22-Feb-2019 |
|---|---|
| **17. Does the Institution have Management Information System ?** | Yes |
| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | For smooth functioning and monitoring of academic and administrative processes of the Institute following webbased systems were developed inhouse. • Academic Performance Monitoring System (APMS) was developed in 2015 by staff members of Computer Engineering Department for measuring course outcome, attendance monitoring, taking various feedback etc. • KohaLibrary management system was developed in 2016 to maintain and issue library books. The system was customized inhouse by faculty members of IT department. • Exam Cell Management System was developed inhouse by students and faculty of IT department. Modules currently operational for various systems are: ACADEMIC PERFORMANCE MONITORING SYSTEM (APMS) Two web based applications to facilitate easy monitoring of various academic activities for both students and faculty member are currently operational. I. Academic Performance Monitoring System (APMS) II. Student Portal I. APMS: It consist of following modules. a) Attendance Module b) Performance Module c) Outcome Evaluation Module d) Feedback Module a) Attendance Module: Easy tracking of subject defaulters and overall defaulters Time bound entry Automatic term work marks calculation for attendance head b) Performance Module: Auto calculation of term work marks Easy way to find academic defaulters (subject wise and overall defaulters) On click result analysis in graphical and tabular format for internal assessment I II c) Outcome Evaluation Module: Assigning measurement tools for each Course outcome. Defining goal and tracking goal of previous year. Making entry of each student marks for each tool assigned to each course outcome. Auto calculation of Outcome attainment based on the Goal set for each course. Generates report for subject wise overall / yearwise / batchwise attainment summary d) Feedback Module |

Generates summary of different feedbacks which can be used for further analysis. II. Student Portal: It consist of following modules. a) Activities Module b) Performance Module c) Feedback Module d) Report Module a) Performance Module: Attendance Record, performance of Internal Assessment I II and Class test. b) Feedback Module: In this module students will give feedback which ever applicable to them. The APMS system ensured efficient monitoring and timely completion of academic activities. It also helped in generating various reports such as outcome attainment summary, feedback summary, exit survey summary etc. KOHA – LIBRARY MANAGEMENT SYSTEM It is an Integrated Library System (ILS), which is an enterprise resource planning system for a library, used to track items owned, orders made, bills paid, and patrons who have borrowed. EXAM CELL MANAGEMENT SYSTEM It encompasses the following activities of the exam cell: Maintaining and Updating database of eligible students for various examinations. Submission of exam forms by the students and generation of Hall Tickets by exam cell. Generation of exam seat numbers and issue of Hall tickets to them. Entry of Marks and Result sheet preparation. The institute has not only progressed in academic domain but it also developed certain systems in administrative domain. Biometric attendance was introduced in October 2017.

## Part B

## CRITERION I – CURRICULAR ASPECTS

### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Fr. C. Rodrigues Institute of Technology, Vashi is affiliated to the University of Mumbai and approved by AICTE. It has 5-UG, 3-PG, and 3-Research programs in engineering. The institute meticulously plans and develops action plans for effective implementation of the curriculum prescribed by the university. Various stages of effective curriculum delivery are as follows 1. 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, at times based on the requirements of the department. 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

and Course Outcome Assessment Plan • A teaching plan is prepared before the commencement of the semester and measures are taken to bridge the identified gaps in the curriculum. • The institute adopted the "Outcome Based Education (OBE)" model from the academic year 2014-2015. As part of the OBE model, faculty maintain a course file with a teaching and laboratory plan in adherence to the academic calendar. Students are evaluated periodically with reference to outcome attainment and related reports are part of the course file. The Course file also contains lecture notes, a question bank, performance details of the students, etc. 2. Execution: Teaching • In addition to conventional teaching methods, the majority of faculty members adopt innovative teaching techniques to get the students actively involved in the learning process. Faculty strictly adhere to the teaching plan and any deviation in the plan is recorded. Evaluation of students • All internal examinations schedule is part of the academic calendar and is conducted according to the plan. Course co-ordinator sets the question paper based on the institute guidelines and submits to the Department Working Committee (DWC), in order to assure the quality of the question paper. • The Faculty completes assessment within 10 days from the day of examination. • Weak students are identified based on their academic performance in each course and remedial measures are taken. 3. Monitoring of Curriculum delivery and students performance : Teaching • The Head of the Departments periodically reviews the execution of the teaching plan and monitors the syllabus completion through formal and informal feedback. Attendance and Academics • The departments continuously monitor the Attendance and Academic progress of all the students. Special cases are dealt with Attendance Monitoring Committee at the Institute level every month. • Academic Performance Monitoring System is used for effective and continuous monitoring of attendance and academic progress of students. Mentoring • Mentoring is in place at the department level to monitor students' academic and any other related issues. A Professional Counsellor is accessible at the institute to heed the special cases. 4. Audit: • An Academic audit is conducted every semester by Department Quality Assurance Cell (DQAC) and every year by Institute Quality Assurance Cell (IQAC), to ensure effective implementation of curriculum and documentation.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entreprene urship | Skill Development |
|---|---|---|---|---|---|
| National University Students Skill Development (NUSSD) Programme conducted by Tata Institute of Social Science (TISS) | NA | 01/01/2019 | 730 | Employabil ity | Analytical, Communicatio n, Leadership |
| Training program on PLC and SCADA", | NA | 29/11/2019 | 5 | Employabil ity | Technical skills related to operation of PLC and SCADA system |

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
| --- | --- | --- |
| BE | First Year BE - Common to all Branches | 06/01/2020 |
| BE | First Year BE - Common to all Branches | 01/08/2019 |
| | View File | |

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
| --- | --- | --- |
| BE | B.E.-Computer Engineering (3197-10) | 01/07/2019 |
| BE | B.E.-Mechanical Engineering (3197-20) | 01/07/2019 |
| BE | B.E.-Electronics and Telecommunication Engineering (3197-30) | 01/07/2019 |
| BE | B.E.-Electrical Engineering (3197-40) | 01/07/2019 |
| BE | B.E.-Information Technology (3197-50) | 01/07/2019 |
| ME | M.E.-Mechanical Engineering (Machine Design) (3197-22) | 01/07/2019 |
| ME | M.E.-Electronics and Telecommunication (3197-32) | 01/07/2019 |
| ME | M.E-Electrical Engineering (Power Electronics and Drives) (3197-42) | 01/07/2019 |
| PhD or DPhil | Ph.D.-Mechanical Engineering (3197-24) | 01/07/2019 |
| PhD or DPhil | Ph.D.-Electronics and Telecommunication Engineering (3197-34) | 01/07/2019 |
| PhD or DPhil | Ph.D.-Electrical Engineering (3197-44) | 01/07/2019 |

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

| | Certificate | Diploma Course |
| --- | --- | --- |
| Number of Students | 46 | Nil |

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
| --- | --- | --- |

| Campus Credentials Placement Training | 14/06/2019 | 326 |
|---|---|---|
| Campus Credentials Placement Training | 02/01/2020 | 326 |
| Placement Cell Training | 29/06/2019 | 326 |
| Placement Cell Training | 14/02/2020 | 326 |
| [View File]() | | |

1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|---|---|---|
| BE | Field Projects - BE Computer Engineering | 19 |
| BE | Field Projects - BE IT | 6 |
| BE | Internships - BE Computer Engineering | 29 |
| BE | Internships - BE Mechanical Engineering | 33 |
| BE | Internships - BE EXTC Engineering | 10 |
| BE | Internships - BE Electrical Engineering | 33 |
| BE | Internships - BE IT | 19 |
| [View File]() | | |

## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| Students | Yes |
|---|---|
| Teachers | Yes |
| Employers | Nill |
| Alumni | Nill |
| Parents | Nill |

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

| Feedback Obtained |
|---|
| Introduction: Agnel Charities' Fr. C. Rodrigues Institute of Technology (FCRIT) is affiliated to the University of Mumbai and it follows the curriculum prescribed by it. The curriculum is revised by the University after every four years. The curriculum revision is mainly focused on knowledge component, skill based activities and project based activities. Self-learning opportunities are provided to learners. In the revision process this time in particular Revised syllabus of R-2019 'C' scheme wherever possible additional resource links of platforms such as NPTEL, Swayam are appropriately provided. Many senior faculty members of FCRIT are involved in design and development of curriculum either as Chairman Board of Studies (BoS) or as Member BoS or as invitee. The University ensures that the curriculum developed is appropriate, is need-based, and suits the professional requirements of industries by inducting subject-experts and various stakeholders in the BoS. The curriculum is supplemented through value |

addition, enrichment, and skill development courses which are conducted by internal or external faculty and it helps in enhancing employability of students. The Institute promotes effective industry-institute interaction through various workshops, expert talks, internships, online courses and academic projects. To assess and improve the academic requirement of students, feedback is collected from various stakeholders like students, teachers, etc. and accordingly corrective measures are taken. Feedback Analysis: An effort was made to receive feedback from the students of the college. For this purpose, a MS form was created and sent to students and faculty members. As many as 320 responses from the students and 21 responses from the faculty members have been received on Syllabus. In order to arrive to comprehensive results, useful statistical tools like pie charts, etc. have been used. According to the details collected and suggestions given by the students and faculties, following observations have been recorded regarding the feedback system: 1. Students as well as the faculty members feel that topics which are industry oriented and application based could be included in the syllabus. 2. Majority of the students were happy about the distribution of the topics in the syllabus of various subjects. 3. Subjects like Physics and BEE should include basic electronics as well. After collecting this data and analysis the trend of the students and faculty members, these observations are given to the higher authorities of the institute through the heads of various departments and the feedback on curriculum gap is submitted to the University of Mumbai for further action. Supporting Document https://fcrit-my.sharepoint.com/:b:/g/personal/iqac _fcrit_fcrit_ac_in/EZ5xsrOcyB9BvtlDsjz_VQwB8evLixSLDrsjyX7ASBBSaQ?esh5Rwe

# CRITERION II – TEACHING- LEARNING AND EVALUATION

## 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|---|---|---|---|---|
| BE | BE-Computer Engineering | 63 | Nill | 63 |
| BE | BE-Mechanical Engineering | 126 | Nill | 117 |
| BE | BE-Electronics and Telecommunication Engineering | 63 | Nill | 56 |
| BE | BE-Electrical Engineering | 63 | Nill | 53 |
| BE | BE-Information & Technology | 63 | Nill | 63 |
| ME | ME-Mechanical Engineering(Machine Design) | 18 | Nill | 4 |
| ME | ME-Electronics and Telecommunication Engineering | 18 | Nill | 1 |
| ME | ME-Electrical Engineering(Power Electronics | 18 | Nill | 2 |

| PhD or DPhil | Phd-Mechanical Engineering | 17 | Nill | 3 |
| PhD or DPhil | Phd-Electronics and Telecommunication Engineering | 3 | Nill | 3 |
| [View File]() | | | | |

## 2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
| --- | --- | --- | --- | --- | --- |
| 2019 | 1439 | 23 | 75 | 2 | 11 |

## 2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Numberof smart classrooms | E-resources and techniques used |
| --- | --- | --- | --- | --- | --- |
| 88 | 88 | 9 | 16 | 5 | 10 |
| [View File of ICT Tools and resources]() | | | | | |
| [View File of E-resources and techniques used]() | | | | | |

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring process plays a major role in overall development of learners. FCRIT has well established mentoring system in place, wherein a group of 20 to 25 students are allocated for each faculty. The faculty will mentor the allocated mentee throughout four years till they graduate, which helps in building confidence among students and share their problems with mentor. Mentor strictly keeps certain aspects confidential, which are personal in nature and never brings on record. This actually helps students to open up in front of mentor, this facilitates in resolving the problem. This practice was adopted based on the recommendation of professional counsellor. In mentoring process at least two mentoring sessions to be conducted for each student in a semester. Mentor records and documents the difficulties faced by mentee mainly in terms of academic, professional career etc. Mentor motivates mentee to build their personality with right kind of discipline and values, as Institute firmly believes that discipline and right kind of attitude shapes future of any individual. In the process of mentoring, mentor identifies, if any student who need counselling from professionals, these cases are referred to professional counsellor available in campus through HOD. In addition to this at the beginning of every semester professional counsellor interacts with all students' class wise, where counsellor share contact number and motivate students to meet her directly, if they are facing any problem, including stress of academics, personal problems, family issues etc. It has been observed that mentor mentee system facilitates resolving students' problems, which has a positive impact on academic performance of students. Supporting Document https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EbP8YUZI5HhJupPbS-BzImMBimWverafwrDfk-kyY1h7Tg?e5jnZtq

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| --- | --- | --- |
| 1462 | 88 | 1:17 |

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|---|---|---|---|---|
| 93 | 88 | 5 | 3 | 17 |

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---|---|---|---|
| 2020 | Dr.Mini Rajeev | Associate Professor | IEEE Meritorious Paper Award |
| 2020 | Mrs. Rakhi Kalantri | Assistant Professor | IEI BLC Silver Jubilee Award (Project Guide) |
| 2019 | Dr. Nilaj Deshmukh | Associate Professor | Fellowship from IEI |
| 2019 | Mrs. Megha Kolekhar | Associate Professor | Grant of INR 7.07 Lakh |

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## 2.5 – Evaluation Process and Reforms

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

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|---|---|---|---|---|
| BE | 3197-20 | II Semester | Nill | 30/12/2020 |
| BE | 3197-20 | I Semester | 20/12/2019 | 24/01/2020 |
| BE | 3197-10 | VIII Semester | 17/10/2020 | 13/11/2020 |
| BE | 3197-10 | VII Semester | 26/11/2019 | 02/01/2020 |
| BE | 3197-10 | VI Semester | Nill | 20/08/2020 |
| BE | 3197-10 | V Semester | 25/11/2019 | 20/01/2020 |
| BE | 3197-10 | IV Semester | Nill | 20/08/2020 |
| BE | 3197-10 | III Semester | 26/11/2019 | 20/01/2020 |
| BE | 3197-10 | II Semester | Nill | 30/12/2020 |
| BE | 3197-10 | I Semester | 20/12/2019 | 24/01/2020 |

View File

### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Continuous Internal Evaluation (CIE) system has been changing based on university rules and changes in the Institute Policy. The notable reforms can be categorized into following models Model of CIE prior to academic year 2012-13: Apart from mandatory university examination many other Continuous Internal Evaluations had been followed. • Weekly Assignment Tests • Regular lab

assignments • Preliminary examination at end of every semester based on university pattern. Model of CIE between academic year 2012-13 to 2014-15: In the advent of introducing credit-based system two Internal Assessment tests became mandatory from university side. In addition to these the following additional CIE were followed • Two Assignment Tests. • Regular lab assignments every week. • Two progress seminars for project. • Preliminary examination at the end of semester. Model of CIE from academic year 2015-16: The variety and frequency of CIE are maintained same as above CIE model The major reforms during this model have been brought with reference to Outcome Based Education (OBE) model and quality of assessment. More emphasize has been provided on students' evaluation with respect to course outcomes attainment. The question paper audit has been started for improving quality of questions. Department wise committee has been formed which verifies whether questions set are based on course outcomes and level of blooms taxonomy. For effective implementation of OBE model and monitoring student's outcome attainment, Academic Performance Monitoring System (APMS) has been developed and deployed. The APMS system effectively assist in monitoring and evaluation of students centric learning outcomes. Supporting Document https://fcrit-my.sharepoint.com/:b:/g/personal/iq ac_fcrit_fcrit_ac_in/EbNFyDJ_-eNNlm_jWXoeLWQB_r7H4DyMIfCgM-tMOYEkcQ?eWOQGwq

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Institute academic calendar draft is prepared by Dean Academics as per the university guidelines which is placed in HODs and Deans meeting with principal, discussed in detail and approved with correction if any required before commencement of every semester. Institute academic calendar accommodate major activities such as date of beginning and end of semester, Internal Assessment tests, Preliminary examination dates etc Head of the department along with faculty members 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, which includes major (Internal Assessment tests, Assignment Tests, Prelim exam) and additional internal assessments tools such as assignments, MCQ, quizzes and strictly adheres to the same. Academic calendars are uploaded on college website. Course assessment plans are also provided to students by faculty. 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. It has been observed that the deviation in academic calendar is just 5 due to unavoidable circumstances such as sudden declaration of holidays by Government or placement schedule for final year students. Supporting Document https://fcrit-my.sharepoint.com/:b:/g/person al/iqac_fcrit_fcrit_ac_in/EW7fvWS-K11Glwd6du9hWK0BBp2zcjQLlp7d9cG9ha0GIQ?e4ihaJO

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Ed5ZZjL-wnFJsoTkqAV_9WABcBOmNWfK8g50_JE3mOwcoQ?e=i1iL6r

2.6.2 – Pass percentage of students

| Programme | Programme | Programme | Number of | Number of | Pass Percentage |
|-----------|-----------|-----------|-----------|-----------|-----------------|

| Code | Name | Specialization | students appeared in the final year examination | students passed in final year examination | |
|------|------|----------------|------------------------------------------------|-------------------------------------------|---|
| 3197-50 | BE | BE-Information & Technology | 75 | 75 | 100 |
| 3197-40 | BE | BE-Electrical Engineering | 75 | 75 | 100 |
| 3197-30 | BE | BE-Electronic and Telecommunication Engineering | 65 | 65 | 100 |
| 3197-20 | BE | BE-Mechanical Engineering | 73 | 73 | 100 |
| 3197-10 | BE | BE-Computer Engineering | 74 | 74 | 100 |
| [View File]() | | | | | |

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

 https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Ea6QqLRuPHNDq77x6faKg1MBxdZN-MxVylUSP3VfjX-sHg?e=mYqXRM 

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|-----------------------|----------|-----------------------------|------------------------|--------------------------------|
| Major Projects | 547 | NMRL | 7.07 | 4.25 |
| Major Projects | 547 | Saini Electrical and Engineering works, Navimumbai | 22.8 | 4.95 |
| Minor Projects | 365 | University of Mumbai | 5.3 | 5.3 |
| Any Other (Specify) | 365 | Agnel Charities FCRIT | 8.37 | 8.37 |
| [View File]() | | | | |

### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

| Title of workshop/seminar | Name of the Dept. | Date |
|---------------------------|-------------------|------|

| | | |
|---|---|---|
| CSI Seminar on Environmental Engineering, Importance of knowing and prioritizing customer, How finding out vulnerabilities of different websites | Computer Engineering | 20/07/2019 |
| Workshop on Solving Real Time Projects | Computer Engineering | 28/09/2019 |
| Cryptex Workshop on Android App Development, Web Development, Machine Learning and Python | Computer Engineering | 23/07/2019 |
| ACESS Seminar on Importance of project management and a growing need of PMPs in the corporate setup | Computer Engineering | 14/02/2020 |
| Seminar on Importance of ethics and etiquettes in the corporate setup | Computer Engineering | 15/02/2020 |
| Workshop on AI ML | Computer Engineering | 11/01/2020 |
| Seminar on Technical Paper Presentation | Computer Engineering | 13/05/2020 |
| Annual Lecture Series event 'MESH 2020' | Mechanical Engineering | 03/07/2020 |
| Seminar on "Heat Transfer and Fluid Flow Simulation for a Heat Exchanger Unit Using Ansys Fluent" | Mechanical Engineering | 05/08/2020 |
| Seminar on "Battery modelling simulation using STARCCM Software" | Mechanical Engineering | 22/05/2020 |
| Seminar on Bearings - Failure and Maintenance | Mechanical Engineering | 23/05/2020 |
| Seminar on Career in Project Management | Mechanical Engineering | 14/06/2020 |
| Seminar on Scope in Automotive Industry | Mechanical Engineering | 30/06/2020 |
| Seminar on Employability skills and career in PSU/ Govt, Vidyut seminar SH2019 | Electrical Engineering | 20/07/2019 |
| Seminar on Industrial Safety, Entrepreneurship skills, Industrial Automation and Introduction to Industry 4.0 and Communication skills, Vidyut seminar FH2020 | Electrical Engineering | 07/03/2020 |

| CSI Workshop on Arduino, Web Development , Ethical Hacking, | Information Technology | 23/07/2019 |
|---|---|---|
| CSI Workshop on Android Studio, Django using Python | Information Technology | 24/07/2019 |
| CSI Workshop on FL Studio, OpenCV | Information Technology | 25/07/2019 |
| CSI Seminar on "Block Chain", "The Engineer and Society" "Machine Learning" | Information Technology | 26/07/2019 |

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|---|---|---|---|---|
| Nil | Nill | Nill | Nill | Nill |

View File

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|---|---|---|---|---|---|
| FCRIT-CIBA | CIBA | Agnel Charities | CAMPAIGN TECHNOLOGY SOLUTIONS PVT. LTD. | At Campaigntocash we have only one goal in mind using technological efficiency to empower marketers so they can design and run effective digital marketing campaigns with the utmost ease. | 01/03/2020 |
| FCRIT - CIBA | CIBA | Agnel Charities | Readsnet | Readsnet is a worldwide community of readers to share their libraries by exchanging/donating books, their different perspectives and learnings on reading | 01/06/2019 |

| | | | | them. We aim to create a new social network for readers to share their gained knowledge, make se | |
|---|---|---|---|---|---|
| FCRIT -CIBA | CIBA | Agnel Charities | Dimensionl ess Technologies Pvt. Ltd. | Dimensionl ess provides live online data science courses. Our courses include - Data Science with R Python, Deep Learning, Big Data Analytics. | 01/07/2019 |
| FCRIT -CIBA | CIBA | Agnel Charities | Kaahlina Technology Pvt Ltd | Rozgar Khoj uses the mobile based Apps, Web and Digital technology to connects millions of blue-collar job seekers with the Industry and Government demands. | 01/09/2019 |
| FCRIT -CIBA | CIBA | Agnel Charities | Goidyll Technosquad Pvt ltd | Goidyll is a one-stop solution provider for all types of home appliance service needs. Book your first at home Preventive Maintenance Service for FREE. | 15/10/2019 |
| FCRIT -CIBA | CIBA | Agnel Charities | Dimensionl ess Technologies Pvt. Ltd. | Achieverz is an App that helps Sports | 05/02/2020 |

| FCRIT -CIBA | CIBA | Agnel Charities | Ingenium Marine Solutions Pvt. Ltd. | Conceptualise, develop and implement ideas through our team of data scientists, business analysts and developers. | 15/02/2020 |

Organisers increase registration of players/teams grow revenue sponsorship and improve competition management efficiency and it also helps Sports Players learn new sports, receive training, join teams and parti

View File

**3.3 – Research Publications and Awards**

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|---|---|---|
| 1 | 4 | 3 |

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

| Name of the Department | Number of PhD's Awarded |
|---|---|
| Mechanical Engineering | 1 |

3.3.3 – Research Publications in the Journals notified on UGC website during the year

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---|---|---|---|
| National | Computer Engineering | 1 | 1.86 |
| International | Computer Engineering | 7 | 3.59 |
| International | Mechanical Engineering | 10 | 1.95 |
| International | Electrical Engineering | 5 | 2.27 |

| International | Information Technology | 1 | 3.1 |
|---|---|---|---|

View File

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

| Department | Number of Publication |
|---|---|
| Information Technology | 20 |
| Electrical Engineering | 14 |
| Electronics and Communication Engineering | 12 |
| Mechanical Engineering | 5 |
| Computer Engineering | 12 |

View File

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|---|---|---|---|---|---|---|
| Mitigation of harmonics and unbalanced source voltage condition in standalone microgrid: positive sequence component and dynamic phasor-based compensator with real-time approach", | Mahendra Rane | Heliyon 5 (2),Feb 2019, e01178. | 2019 | 2 | Veermata Jijabai Technological Institute, Matunga, Mumbai, | 2 |
| Feature Selection for Driver Driwsiness Detection | Megha Kolhekar | Lecture Notes on Data Engineering and Communications Technologies, e-book, April 2019. | 2019 | 1 | Fr. C. Rodrigues Institute of Technology Navi Mumbai India | 1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Multitaper Perceptual Linear Prediction Features of Voice Samples to Discriminate Healthy Persons from Early Stage Parkinson Diseased Persons | Savitha S. Upadhya | Springer International Journal of Speech Technology | 2019 | 4 | Veermata Jijabai Technologica l Institute | 3 |
| Investigation of Pitch and Noise Features Extracted from Voice Samples of Healthy and Parkinson Affected People Using Statistical Tests | Savitha S. Upadhya | Journal of Engineering Science and Technology | 2019 | 0 | Veermata Jijabai Technologica l Institute | Nill |
| Thomson Multitaper MFCC and PLP Voice Features for Early Detection of Parkinson Disease | Savitha S. Upadhya | Elsevier's Biomedical Signal Processing and Control | 2019 | 14 | Veermata Jijabai Technologica l Institute | 13 |
| Performance comparison of regression techniques in predicting Parkinson disease severity score using speech features | Savitha S. Upadhya | Biomedical Engineering - Applications, Basis and Communications | 2019 | 2 | Veermata Jijabai Technologica l Institute | 2 |

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|---|---|---|---|---|---|
| Design and analysis of switchable magnetic polarity bistable energy harvester | Nitin Satpute and Dr. S. M. Khot | Journal of Mechanical Engineering Science, Article first published online: September 15, 2018 | 2019 | 0 | Fr. C. Rodrigues Institute of Technology, 400703, Maharashtra, India | Nill |
| "Evaluation of inherent and dislocation induced material non linearity in metallic plates using lamb waves" | Dr. Nitesh Y. | Elsevier Applied Acoustics, volume 136 (2018) 76-85 | 2019 | 14 | Fr. C. Rodrigues Institute of Technology, 400703, Maharashtra, India | 11 |
| Video quality assessment through PSNR estimation for different compression standards | Dr. Lata Ragha | Indonesian Journal of Electrical Engineering and Computer Science | 2019 | 0 | Fr. C. Rodrigues Institute of Technology, 400703, Maharashtra, India | Nill |
| ETSR: Enhanced Trust based Secure Routing Scheme for Mobile Ad hoc Networks | Dr. Lata Ragha | Journal of Computational and Theoretical Nanoscience, Volume-16, Issue:5-6, May 2019, pp.2265-2272. | 2019 | 0 | Fr. C. Rodrigues Institute of Technology, 400703, Maharashtra, India | Nill |

View File

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|---|---|---|---|---|---|
| Best Fit Resume | Mrs. Kiruthika | International | 2019 | Nill | Nill | Fr. C. Rodrigues |

| | | | | | | |
|---|---|---|---|---|---|---|
| Predictor | M | Research Journal of Engineering and Technology (IRJET) | | | | Institute of Technology, 400703, Maharashtra, India |
| Establishing Secure Routing Path Using Trust to Enhance Security in MANET | Dr. Lata Ragha | Journal of Wireless Personal Communications | 2019 | 5 | 5 | Fr. C. Rodrigues Institute of Technology, 400703, Maharashtra, India |
| Effective bandwidth prediction through statistical technique over heterogeneous networks | Dr. Lata Ragha | International Journal of Innovative Technology and Exploring Engineering | 2019 | 5 | 2 | Fr. C. Rodrigues Institute of Technology, 400703, Maharashtra, India |
| Hybrid Spectrum Access Model using Game Theory Approach for Multi-Channel Heterogeneous Mobile Cognitive Radio Wireless Sensor Network | Dr. Lata Ragha | Indonesian journal of Electrical Engineering and Computer Science | 2019 | 5 | 4 | Fr. C. Rodrigues Institute of Technology, 400703, Maharashtra, India |
| Establishing Secure Routing Path Using Trust to Enhance Security in MANET | Dr. Lata Ragha | International Journal of Wireless Personal Communications | 2019 | 5 | 5 | Fr. C. Rodrigues Institute of Technology, 400703, Maharashtra, India |
| | | | [View File](#) | | | |

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

| Number of Faculty | International | National | State | Local |
|---|---|---|---|---|
| Attended/Semi | 5 | 309 | 37 | 42 |

| nars/Workshops | | | | |
|---|---|---|---|---|
| Presented papers | 16 | 2 | Nill | Nill |
| Resource persons | Nill | 9 | Nill | 2 |

View File

## 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|---|---|
| Raddi day | NSS FCRIT | 1 | 20 |
| Seminar on AIDS and HIV awareness | NSS FCRIT | 2 | 62 |
| Teaching students from Standard 5 to standard 8 from Turbhe slum | NSS FCRIT | 2 | 34 |
| Visit to Mukti Jewan ashram Asangoan | NSS FCRIT | 2 | 24 |
| Blood Donation camp | NSS FCRIT in collaboration with NMMC Hospital blood bank Vashi | 8 | 110 |

View File

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|---|---|---|
| Environmental Friendly disposal of E-Waste | Disposal certificate | Envirocare Pvt. Limited | 1462 |

View File

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activites | Number of students participated in such activites |
|---|---|---|---|---|
| NSS | NSS FCRIT | Raddi day | 1 | 20 |
| NSS | NSS FCRIT | Seminar on AIDS and HIV awareness | 2 | 62 |
| NSS | NSS FCRIT | Teaching students from Standard 5 to standard 8 from | 2 | 34 |

| NSS | NSS FCRIT | Visit to Mukti Jewan ashram Asangoan | 2 | 24 |
| NSS | NSS FCRIT in collaboration with NMMC Hospital blood bank Vashi | Blood Donation camp | 8 | 110 |

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**3.5 – Collaborations**

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

| Nature of activity | Participant | Source of financial support | Duration |
|---|---|---|---|
| Nil | Nill | Nill | Nill |

*View File*

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|---|---|---|---|---|---|
| Industry | Internship | UTIITSL | 02/12/2019 | 20/12/2019 | Konuparamban Joel Shaju |
| Industry | Internship | INDIAN OIL CORPORATION LIMITED | 01/12/2019 | 27/12/2019 | Menezes Ancilla Arthur |
| Industry | Internship | INDIAN OIL CORPORATION LIMITED | 01/12/2019 | 27/12/2019 | LIETA ELDRED LOBO |
| Industry | Internship | LINK INTIME | 20/06/2019 | 20/07/2019 | B SAHAYA CYRIL |
| Industry | Internship | Capgemini | 02/12/2019 | 31/12/2019 | Atharva Santosh Sawant |

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|---|---|---|---|
| Second quadrent consulting Pvt Ltd | 01/07/2019 | Make the students aware of industry best practices in Cyber Security Improve a hands-on | 8 |

| | | experience of the students and make them ready for the current job requirements in the IT security industry | |
|---|---|---|---|
| Tata institute of fundamental Research | 20/08/2019 | Exchange of materials in research, publications and academic information, Exchange of Faculty Research Scholars, Technical assistants to students for joint research | 6 |
| Endeavour Carriers Pvt. Ltd. | 16/07/2019 | Seminar on GRE, Setting up Stall, Showcase Poster | 120 |

View File

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

**4.1 – Physical Facilities**

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|---|---|
| 105.33 | 116.29 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|---|---|
| Classrooms with Wi-Fi OR LAN | Existing |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Newly Added |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Existing |
| Others | Existing |
| Value of the equipment purchased during the year (rs. in lakhs) | Newly Added |
| Value of the equipment purchased during the year (rs. in lakhs) | Existing |
| Seminar halls with ICT facilities | Existing |
| Classrooms with LCD facilities | Existing |
| Seminar Halls | Existing |
| Laboratories | Existing |
| Class rooms | Existing |

| Campus Area | Existing |
|---|---|

## 4.2 – Library as a Learning Resource

### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---|---|---|---|
| KOHA | Partially | 18.11.02.000 | 2017 |

### 4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---|---|---|---|---|---|---|
| Text Books | 21316 | 10638884 | 695 | 412363 | 22011 | 11051247 |
| e-Books | 2044 | 564750 | Nill | Nill | 2044 | 564750 |
| Journals | 62 | 163600 | 62 | 168270 | 124 | 331870 |
| e-Journals | 230 | 694872 | 535 | 893339 | 765 | 1588211 |
| CD & Video | 2656 | Nill | 23 | Nill | 2679 | Nill |
| Others(specify) | Nill | 35400 | Nill | 35400 | Nill | 70800 |

### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|---|---|---|---|
| Mrs. Trupti Lotlikar | All Modules/Prelim | LMS | 07/04/2020 |
| Mrs. Poonam Prasad Bari | All Modules/Prelim/Quiz | LMS | 21/03/2020 |
| Mrs. Mukta Nivelkar | Quiz (Exception Handling) Python-IV | LMS | 23/03/2020 |
| Sadhana Pai | Quiz on RADAR RF Transmitters | O365 | 07/04/2020 |
| Nilashree Wankhede | Quiz on FLIP-CLASSROOM conducted in subject of Internet Communication Engg | O365 | 07/08/2019 |
| Miss. Shamim Pathan | All Modules of Mechatronics | LMS | 03/04/2020 |
| Mr. Sanjay Rukhande | All Modules/Prelim | LMS | 04/04/2020 |
| Mr. Kamlesh Sasane | Complex Variables | Microsoft streams | 08/05/2020 |
| Ms.Kiruthika M | Module2(DTFT) | O365 | 04/08/2020 |

## 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/ GBPS) | Others |
|---|---|---|---|---|---|---|---|---|---|
| Existing | 658 | 24 | 100 | 20 | 2 | 1 | 5 | 100 | 45 |
| Added | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Total | 658 | 24 | 100 | 20 | 2 | 1 | 5 | 100 | 64 |

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

| 100 MBPS/ GBPS |
|---|

4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
|---|---|
| Office 365 package - MS Teams, Ms Forms, Stream, White board, Class and Staff Notebook, One note, Yammer, Power point, Word, Excel, Planner, Project | https://fcrit-my.sharepoint.com/:f:/g/personal/iqac_fcrit_fcrit_ac_in/EjxIXatkLexPhf8qnmBIb9UBqBOoLZ7gZ5Si0HimMYeS0Q?e=1dKUYe |
| Institutional LMS developed Inhouse which has separate facilities for the following e-content development: Quiz, assignments, Polls and Tests | http://lms.fcrit.ac.in/moodle/ |
| Others | https://fcrit-my.sharepoint.com/:x:/g/personal/iqac_fcrit_fcrit_ac_in/EVnRCUuyco1IpPxsGzlDfIEB-rrQwmo7JMqjqMRkrqDsHq?e=hp6V5n |

## 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurredon maintenance of physical facilites |
|---|---|---|---|
| 384.22 | 394.02 | 55 | 51.81 |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The 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 developmentof the students. The housekeeping team is responsible for maintaining cleanliness and hygiene in the institute. Various committees are constituted to monitor the maintenance of physical, academic and support facilities given below. Academic and support facilities Laboratory Every laboratory is taken care by Laboratory I/C (teaching faculty) and assigned laboratory assistant. Equipment stock

verification and equipment working reports are prepared by laboratory assistant under supervision of laboratory I/C. There is provision in the approved budget for maintenance of equipments. Classrooms The classrooms of all the departments are maintained at department level. Electrical maintenance, audio systems, PC and LCD projectors are regularly monitored and maintained. Smart Classroom: The smart classes are maintained regularly by monitoring equipment, escan-antivirus and the addition or deletion of software on the machines. Computers: The institute has more than the prescribed norms of the computers with internet connections and utility softwares distributed in different locations. The softwares are renewed regularly. The Campus has an intranet maintained by the networkingteam, who also maintains the server, structured cabling, fiber optics and internet connection. They are assisted by laboratory assistants. The Institute website updating and LMS Server maintenance is handled by system administrator. The Institute has an inhouse developed Moodle All notes, test papers, assignments are being updated in this portal and the students can login to get the resources. The maintenance of LMS system is carried out by the teacher I/C. Library: Library is monitored and maintained by the librarian and team. 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. It also provides breakfast/lunch/dinner facilities to hostel students. APMS: Academic performance Monitoring System (APMS) is regularly maintained by the computer department faculty. This in-house developed portal enables faculty to update student's attendance, academic records like tests, project marksand based on entered marks it computes CO-PO-PSO attainment levels thus helping effective implementation of Outcome Based Education (OBE) model. Library Portal: This portal enables the student's remote access of available books in the central library. The portal updates the number of copies available with the library. Development of this portal, its upgradation as per the needs, and maintenance is carried out by the teacher I/C. Support facilities, Security, etc.: • The Sports facilities are maintained by the sports in-charge. • The 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. • The institute has ramp facilities for the handicapped student's smooth entry and exit. Supporting Document https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EXFwhpkyHXtJhxW4xT7OhB0BvktNgklsyF4prFuG0v4xIA?evYRTUu

https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EWhyCfip-epPtMCHys4dWRkBcMWMlnQwIvYs4YPWdn0i0g?e=3XI6RM

# CRITERION V – STUDENT SUPPORT AND PROGRESSION

## 5.1 – Student Support

### 5.1.1 – Scholarships and Financial Support

|  | Name/Title of the scheme | Number of students | Amount in Rupees |
|---|---|---|---|
| Financial Support from institution | Academic Fee Concession by Institution | 11 | 500761 |
| Financial Support from Other Sources |  |  |  |
| a) National | Department of Social Welfare office, Govt. of | 218 | 10560594.5 |

| | Maharashtra Scholarship/ Freeship for Reserve Category (SC, VJNT, OBC, SBC, ST Category ), EBC, JK, Minority. and Non-Govt. Organization | | |
|---|---|---|---|
| b)International | Nill | Nill | Nill |

[View File](#)

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved |
|---|---|---|---|
| Personal Counselling mentoring | 18/06/2019 | 1452 | Class mentors/Agnel counsellor: 9029473843 |
| Yoga and Meditation | 08/08/2019 | 303 | Inhouse Teaching Faculty |
| Bridge courses | 09/08/2019 | 136 | Inhouse Teaching Faculty |
| Language lab | 01/07/2019 | 373 | Inhouse Teaching Faculty |
| Remedial Coaching | 24/07/2019 | 1433 | Inhouse Teaching Faculty |
| Soft skill development | 03/07/2019 | 564 | Tata Institute of Social Sciences and Inhouse Teaching Faculty |

[View File](#)

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passedin the comp. exam | Number of studentsp placed |
|---|---|---|---|---|---|
| 2019 | GRE Seminar by Endeavour | 138 | Nill | 3 | Nill |
| Nill | Activities conducted by Placement Cell | Nill | 322 | Nill | 128 |

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---|---|---|
| Nill | Nill | Nill |

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|---|---|---|---|---|---|
| Nameof organizations visited | Number of students participated | Number of stduents placed | Nameof organizations visited | Number of students participated | Number of stduents placed |
| 46 | 1778 | 199 | 7 | Nill | 7 |

<div align="center">View File</div>

### 5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|---|---|---|---|---|---|
| 2019 | 2 | B E | Computer Engineering | North Eastern universi ty | MS |
| 2019 | 1 | B E | Electrical Engineering | North Eastern universi ty | MS |
| 2019 | 1 | B E | Electrical Engineering | College of Engineering, Tiruvanthapu ram | MTech |
| 2019 | 1 | B E | Electrical Engineering | Mtech in Information Technology, Christ University | MTech |
| 2019 | 1 | B E | Information Technology | IOWA State University | MS |
| 2019 | 1 | B E | Information Technology | NorthEaste rn universit y | MS |
| 2019 | 1 | B E | Information Technology | New Jersey Institute of Technology | MS |
| 2019 | 2 | B E | Information Technology | University of Melbourne | MS |

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### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|---|---|
|  |  |

| | |
|---|---|
| GATE | 7 |
| CAT | 1 |
| GRE | 15 |
| TOFEL | 14 |
| Any Other | 7 |

View File

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

| Activity | Level | Number of Participants |
|---|---|---|
| TREASURE HUNT | Institute | 69 |
| MINUTE TO WIN IT | Institute | 89 |
| Group Dance | Institute | 12 |
| Amity Football Tournament at AMINOVA 2020 in RICS School of Built Environment, Amity University, Mumbai. | Inter Institute | 2 |
| Votre Recit at News and Publication Society, BIT Mersa | Inter Institute | 1 |
| 50 Hour Filmmaking Challenge At India Film Project Season 9 | Inter Institute | 1 |
| Musical Event Octaves 2020 Invited as Judge for event | Inter Institute | 1 |

View File

## 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|---|---|---|---|---|---|---|
| 2019 | Runner-up at Junoons Pro Football League | National | 1 | Nill | 401835 | Ayush Misra |
| 2019 | 1st place in Football | National | 1 | Nill | 501853 | Atharav Patade |
| 2019 | Runner-up at junoon's Pro Football League | National | 1 | Nill | 501853 | Atharav Patade |
| Nill | 2nd | National | 1 | Nill | 501853 | Atharav |

| | Place<br>Football | | | | | Patade |
|---|---|---|---|---|---|---|

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## 5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

There are various bodies that are fully managed by students listed as follows. 1. Student Council 2. Students Department Associations 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. Department Advisory Board (DAB) The Student Council consists of third-year students. The Council has four core posts for the election: General Secretary (GS), Sports Secretary (SS), Cultural Secretary (CS), and the Ladies Representative (LR). The interested candidates submit the nomination forms in the prescribed format along with a copy of the mark sheet. After scrutiny, the nomination list is displayed on the notice board and election for these posts is conducted after two days. Vote counting is done after successful and fair voting, in the presence of the Class representatives, Faculty in Charge of the Student Council, the Former Student Council, and the Heads of the Departments. The Election process is first conducted for the posts of Ladies Representative, Sports, and Cultural Secretary followed by Election of the General Secretary. The eligibility criteria for the various posts are intimated well in advance to the student community. GS: The General Secretary leads the council and makes them work as one team. General Secretary acts as the team leader possessing all the qualities a leader. As mentioned, there are various distributed domains each has a head and a deputy. LR: S/he helps in organizing the activities for girls motivates them to participate in the events conducted in the institute. Also ensures, grievances and suggestion put forth by the female students is properly represented to the management. SS: The sports secretary, along with the faculty coordinator, organizes mock tournaments practice sessions at the institute level and coordinates participation of our students for sports events organized outside of our institute. CS: The cultural secretary along with the faculty coordinator organizes various cultural activities competitions such as 'FACES' and 'ETAMAX' the annual cultural events, Teacher's Day, and 'MARATHI MANDAL', Independence Day, Republic Day, Felicitation, and Convocation Programs. GS and LR are also part of the College Development Committee. Students of our institute belong to various institute-level clubs and organize activities like Intercollegiate debates (SAMVAAD), TEDx FCRIT, and participate in MUNs. An active editorial body also develops the bi-annual college e-newsletter. Magazine secretary: The magazine team under the leadership of the magazine secretary publishes a multilingual college magazine 'MANTHAN' with various departmental newsletters. Collecting the material, editing, designing, and publishing are carried out by students for the magazine. Departmental Advisory Board: Students are part of the departmental advisory board where they can place their feedback related to teaching-learning method, gap identification syllabus, academics, and infrastructure. Departmental Associations: Students are members of departmental associations (ACESS, ETSA, MESA, AITSS, EESA) and professional bodies like CSI, SAE, ISHRAE, IEEE and IEI. Training and Placement committee: The student representatives help Training Placement Officer to organize various placement activities. We have student participation in Agnel Robotics Club. Supporting Document https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EUwpbKGd78RAq5A-mEh4h5gBKPvD8SKv4-R5OA4lz_GzmQ?exWZAmL

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the alumni association was registered under society registration act 1860 on 9th July 2008 in the name Fr.CRIT ALUMNI ASSOCIATION(FRAMES) and also registered as a Trust. Our alumni have played an important role in building the credibility of our institute. They are our ambassadors who shine the light of our beliefs everywhere they go. The Alumni are a proactive support to the institution. 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 outside industrial world. The modes of lectures would be both online and physical presence. ICNTE Contribution: Association sponsors prize for sports activities and also for technical events during college fests. Besides this association sponsors Young Researcher Award during International conference ICNTE organized by institute. Also arranges placement related talk by eminent personalities. FRAMES organizes annual general body meeting and alumni meet every year in the first week of January. The Benefits of Alumni Meet are: Placement Assistance. Industrial visits Assistance. Higher studies Assistance for MS and PhD programs in India and abroad. Donation of equipment/books to the institute. Alma Connect The concept of alumni association evolved with the aim of building a bridge between college life and professional life, for achieving the goal of industry -institute interaction. To achieve this desired goal the interactive platform Fr.C.R.I.T, Alma Connect was launched, which serves to connect the alumni, faculty and current students. This amazing initiative has resulted in 2362 members (includes Faculty, Alumni Students and current students) who have the facility to share their experiences and ideas. Alma Connect also has the option of providing the location of each member thus leaving no Agnelite alone. Employment assistance has been further streamlined through the referral feature of this platform. Registration on the platform can be done using https://fcrit.almaconnect.com/ Many Alumni are working for companies like GE, Intel Microsoft, John Deere, LT, Amazon, Siemens, TCS, Infosys, Ingram and many more. Few alumni students are Entrepreneurs. Few Alumni are professors in reputed institutes of IIT, Canada University. Alumni who are working in different organizations share their professional experience with the students enhancing teaching learning process which helps students for a transition from campus to corporate. Been part of the departmental advisory board, they have active participation in the development activities of the department. They suggest changes in the course content and new courses to be introduced in various programs. The institute takes regular feedback from alumni in various issues which help in overall development of the students. Sharing their professional experience makes students aware of recent trends/technologies and tools used in the industry.

5.4.2 – No. of enrolled Alumni:

| 362 |
| --- |

5.4.3 – Alumni contribution during the year (in Rupees) :

| 0 |
| --- |

5.4.4 – Meetings/activities organized by Alumni Association :

| 5 |
| --- |

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Institute practices decentralization and participative management culture. The Principal, Deans, HODs, and staff members are involved in defining policies, framing guidelines and rules/regulations pertaining to various activities of institute. The institute conducts various activities, out of which two demonstrative practices are exam cell and placement cell activities. I. Exam Cell: Institute is affiliated to University of Mumbai wherein, the examination conduction, Assessment, Result preparation and declaration of first and final year is done by University while, the 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 grievience 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 (Internal Assessments, Prelims, and End Semester Examination) are carried out by a team (CC, SS, JS and S) 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 faculty member (Internal Examiner) submit the marks sheet to the respective department coordinator. The marks entries of all subjects (Oral/practical/Term Work/Internal Assessment/End semester) are done by clerks in the IT enabled result processing module. After the marks entry, the result sheet are downloaded from the software and verified by the inter department coordinators. This entire process of exam conduction, assessment and result processing 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. II. Placement Cell: The placement cell consists of the Training and Placement Officer (TPO), staff coordinators, placement assistant and student coordinators. The placement cell activities involve, coordinating with the companies for conduction the campus drives, contacting new companies, training of students, coordinating for internship opportunities of the students and documentation of various records. TPO functions independently by coordinating with staff coordinators and the placement assistant. He monitors the placemnt cell activities regularly and ensure the smooth functioning. The staff coordinators are responsible for the interaction between respective departments and placement cell and, also initiate interaction between department students and placement cell. In every department, four students from final year, three students from the third year and two students from the second year are appointed to assist the training and placement activities. The student coordinators are given responsibilities to coordinate between their class students and placement cell, which they accomplish with guidance from the staff coordinators. The placement cell is a model for decentralization and participative management, wherein all responsible teams play a role in effectively planning and executing placement process.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

| Strategy Type | Details |
|---|---|
| Curriculum Development | Fr. C. Rodrigues Institute of Technology, Vashi is affiliated to the University of Mumbai and approved by AICTE. Being an affiliated institute needs to follow curriculum developed and approved by the university. Even though Institute is not part of curriculum development, but ensures effective implementation through meticulous planning, implementation and monitoring of entire academic process in institute. Since academic year 2014-15 the Institute has been implementing Outcome Based Education (OBE). Course Outcomes (CO), Program Outcomes (PO), and Program Specific Outcomes (PSO) are defined and their attainments are calculated. The measures are taken to bridge the identified gaps in the curriculum. |
| Teaching and Learning | In professional education the major focus is on knowledge, skill and attitude. Knowledge is mainly dealt through classroom teaching. Skill and attitude building are mainly targeted through conduction of laboratories, mini projects and major projects. In addition to these activities, various student forums such as CSI, IEEE, IEI, IETE, ISHRAE, SAE, ARC, AI Deep Learning etc., play a major role in providing opportunities for students to enhance learning experience. Based on performance in academics, etc. the advanced and slow learners are identified for further action. The necessary action in terms of remedial classes organised for slow learner. |
| Examination and Evaluation | All internal examinations schedule is part of the academic activity and is conducted according to the academic calendar. The respective course co-ordinator sets the question paper based on the institute guidelines and submits to the Department Working Committee (DWC), in order to assure the quality of the question paper. The Faculty completes assessment within 10 days from the day of examination. The answer papers shared to the students for addressing any discrepancies/query in the evaluation process. |
| Research and Development | The Institute has number of policies in existence for enhancing activities related to "Research". Since inception |

| | |
|---|---|
| | of the Institute the policy for sponsoring teachers for qualification upgradation (M.E./M.Tech. and Ph.D.) is existing which helped the Institute in creating conducive environment for research and innovation culture. All the Departments have an independent 'Research' laboratory. Every year, in addition to regular budget for laboratory upgradation across all the departments for around Rs.75.0 lacs, there is a separate budget provision for Rs.12.0 lacs to encourage research activities. Teachers are encouraged to apply for various major/minor research grants and carry out consultancy activities. |
| Library, ICT and Physical Infrastructure / Instrumentation | Availability of well-equipped, adequately budgeted, and well maintained physical, ICT, and other support infrastructure is a must for the overall development. The academic and administrative activities are conducted in Main building (Carpet area: 4565.8 sq. m.) and in Annex building (Carpet area: 10043.55 sq. m.). Classrooms are equipped with internet, LCD projectors, Laptops/PC, Smart Board, etc. The Institute has fifty Laboratories with internet connectivity. The Central Library has carpet area of 775.26 sq. m. with centralized AC. Functioning of library is fully automated through KOHA Library management system. Average annual expenditure for purchase of books and journals is Rs.15.28 lacs. |
| Human Resource Management | Resources mainly in terms of human, finance and laboratory are essential for effective implementation and quality enhancement of academic and administrative activities. Institute has sufficient number of human resources to manage regular activities. Institute has clear policy for faculty recruitment, sponsorship for higher studies (ME/M.Tech and Ph.D.) and Research activities. The Dean faculty monitors the staff performance through appraisal system and check whether faculty adhere to their road map for continuous improvement. Institute has a well-formulated financial policy which ensures effective mobilization and optimal utilization of finances for academic, administrative and development purpose. |

| Industry Interaction / Collaboration | All the departments have Industrial Advisory Board (IAB), which helps the department to initiate activities related to latest industrial development and requirement. The MoU's are encouraged for increasing industry-institute interaction. The Institute promotes effective industry-institute interaction through various workshops, expert talks, internships, online courses and academic projects. Departments conduct seminars under professional society once in a semester, where eminent personalities from industry are invited to deliver talks on the latest emerging technologies. Students are encouraged to get involved in industry sponsored projects, project competitions, internship programs, industrial visits etc. that lead to overall development of the students. |
| --- | --- |
| Admission of Students | The sanctioned intake for the first year of UG and PG courses at FCRIT is 420 and 54, respectively. 80 of sanctioned intake are admitted through Centralized Admission Process (CAP) of Admission Regulating Authority constituted by the Directorate of Technical Education, Maharashtra, and 20 are admitted through Institute level quota. Being a Minority Institute, 51 seats are reserved for Christian community and 49 seats for open category. 70 of open category seats are reserved for students belonging to 'Home University' while remaining 30 are for 'Other than Home University' |

6.2.2 – Implementation of e-governance in areas of operations:

| E-governace area | Details |
| --- | --- |
| Planning and Development | In House Academic Performance Monitoring System (2015) and Learning Management System (4 July 2018) |
| Administration | In House Website development (2014) and Library Management System (7/1/2016) |
| Finance and Accounts | Tally (ERP 9.0) since 2005 |
| Student Admission and Support | In House Admission System (21/07/2008) , Students Portal (10July 2017) and Library Management System (7/1/2016) |
| Examination | In House Examination Software (2015) |

**6.3 – Faculty Empowerment Strategies**

## 6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|---|---|---|---|---|
| 2019 | Mukta Nivelkar | AICTE-ISTE Approved STTP on Natural Language Processing organised by Computer Engineering Department FCRIT Vashi fron 2nd January 2020 to 7th January 2020. | Nill | 2500 |
| 2019 | Harshada C.Bhosale | ICAC3-2019, IEEE Conference on Advances in Computing, Communication and Control, Dec 20 – 21,2019 organized by FrCRCE , Bandra | Nill | 5000 |
| 2019 | Dr.Milind Shah | WISSAP at IIT, Mandi | Nill | 9954 |
| 2019 | Mr. Kamlesh Sasane | 2nd International Mechanical Engineering Congress – 2019, NIT Tiruchirappalli | Nill | 8375 |
| 2019 | Mrs.Smita Dange | GUCON 19 at Delhi towards TA | Nill | 10450 |
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## 6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|---|---|---|---|---|---|---|
| 2020 | R Progra | Nill | | | 344 | Nill |

| | | 18/05/2020 | 23/05/2020 | | |
| --- | --- | --- | --- | --- | --- |
| mming | | | | | |

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
| --- | --- | --- | --- | --- |
| Three days online Workshop on "Education 4.0" organised by IQAC, Atharva College of Engineering | 6 | 28/04/2020 | 30/04/2020 | 3 |
| AICTE sponsored FDP "Pedagogy of Signal Processing " | 1 | 09/12/2019 | 20/12/2019 | 12 |
| AICTE Training and Learning Academy (ATAL) Faculty Development Program (FDP) on "Data Science | 1 | 18/04/2020 | 22/04/2020 | 5 |
| One week online FDP on "LATEX"organized by Bharati Vidyapeeth College of Engineering, Pune. | 3 | 11/05/2020 | 15/05/2020 | 5 |
| Workshop on "Data Analytics" orginized by Bennett University, Greater Noida | 1 | 13/05/2020 | 17/05/2020 | 5 |

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching | | Non-teaching | |
| --- | --- | --- | --- |
| Permanent | Full Time | Permanent | Full Time |
| Nill | 3 | Nill | Nill |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
| --- | --- | --- |

| | | |
|---|---|---|
| • Concession in fees for higher education is also given those who have taken admission as per norms set by government of Maharashtra in the institute managed by the trust. • The institute has a policy of sponsoring faculty members for higher studies with full pay. • Faculty members are given registration fee 5000/- and third-AC, to and fro rail-fare to attend the short-term training programs and conferences in India. However, full registration fee and one-way air-fare given to the faculty members traveling abroad for attending the conferences. • As an incentive policy, the professional memberships/ Journal subscriptions of faculty members are financially supported up to Rs.7000/- for their outstanding contribution to the development of the department, such as publishing journal paper, filing patents, receiving the prestigious award, receiving research grant to carry out consultancy activity, and writing books. • Special leaves are given for post-doctoral/ internship/ critical illness with full salary. • Limited in-campus accommodation is provided to the staff members on concessional rents. • To encourage and motivate faculty members to carry out research, management provides RD fund of Rs. 2 Lakh to each department in every financial year.• Institute admission provided for staff members children in our school managed by trust | • Institute admission provided for staff members children in our school managed by trust with concession in fees from 25 to 100 based on cadre. • Maternity Leave given to eligible candidate. • The interest-free loans are given to the needy staff members. These loans are recovered through the convenient instalments from their salary on monthly basis. • All the staff members are covered in a Group Personal Accident policy (TATA AIG General Insurance Company Ltd., Policy No. 0236871027 01 01). The policy 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. In addition to gratuity an accidental death rider through LIC is under force. Under this rider, if such a staff member dies in an accident when he/she is in service an additional amount of Rs. 10,000/- is paid to his/her family over and above the payable gratuity amount. • A well-equipped medical health center with on-call doctor is available in the institute. | • All the students are covered in a Group Personal Accident policy (TATA AIG General Insurance Company Ltd., Policy No. 0236871027 01 01). The policy covers accidental death (Rs. 1 lakh), permanent total/partial disability (Rs. 1 lakh), and medical expenses (up to Rs. 20,000/-) • All the students are covered for student safety policy (The Oriental Insurance Company Limited, Policy No. 131400/48/2020/14187). The policy covers medical expenses up to Rs. 2,00,000/- incurred due to accident on hospitalization. • A well-equipped medical health center with on-call doctor is available in the institute. |

with concession in fees from 25 to 100 based on cadre. • Maternity Leave given to eligible candidate. • The interest-free loans are given to the needy staff members. These loans are recovered through the convenient instalments from their salary on monthly basis. • All the staff members are covered in a Group Personal Accident policy (TATA AIG General Insurance Company Ltd., Policy No. 0236871027 01 01). The policy 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. In addition to gratuity an accidental death rider through LIC is under force. Under this rider, if such a staff member dies in an accident when he/she is in service an additional amount of Rs. 10,000/- is paid to his/her family over and above the payable gratuity amount. • A well-equipped medical health center with on-call doctor is available in the institute.

## 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The 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. A proper record of all the expenses is maintained by the accounts department. 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 month of April 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. Supporting Document https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/ES-_cIg4RK5Cq-whu5_1_6IB2y1yQy5EWARK_WwSPA1BTg?evYF9Z7

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

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
|---|---|---|
| Vasudev Sawant | 84746 | ETAMAX 2020 |
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6.4.3 – Total corpus fund generated

| 476225 |
|---|

## 6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|---|---|---|---|---|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | No | Nill | Yes | IQAC and DQAC members |
| Administrative | No | Nill | Yes | Institute |

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Department Advisory Board (DAB), Internal Quality Assurance Cell (IQAC), Parent-Teacher Interaction meeting (PTI)

6.5.3 – Development programmes for support staff (at least three)

Introduction to Packet Tracer For completing the Cisco Networking Academy® Introduction to Packet Tracer course, Introduction to Cyber Security , Online webinar by Hioki on Microgrids, Configuration, Control, Synchronisation and Applications, Online webinar by Hioki on Energy Efficiency in Utility, Webinar on the topic Advanced Autonomous Transportation Electrification Solutions for a smart City Evolution with social Implications on 19th May 2020, Webinar on Energy Conservation Energy Audit on 20th June2020, Virtual Lab for Experiential Learning, Basics of Intellectual Property Rights, National Webinar on 'Understanding NAAC Accreditation Process – An Expert Opinion' organized by Vivekanand Education Society's College of Pharmacy between 20th May to 22nd May, 2020., Online FDP on Skills for Librarianship, National Level Webinar on Sattva Yoga: Power to deal with pandemic, Webinar on, How to avoid Plaguairism using Urkund as an Plaguairism Tool, Microsoft Excel: Excel from Beginner to Advanced, Webinar on, Self Awareness through Brain Science, Webinar on Getting you Protected with PPE (Posture, Pain and Ergonomics), National Level Webinar on Sattva Yoga: Power to deal with pandemic, Webinar on, Self Awareness through Brain Science, Webinar on Impact of Covid 19 on Academics and Societal Lifr: Role of Social Media, Webinar on Inculcating Reading as a Healthy Habit, International Webinar on Now and Next: Libraries of the future, Workshop on e-classroom set up, Workshop on E-Utility and E-Certificate, International Webinar on Relieving Stress and Calming your Mind: Planetary Peace Meditation, National Webinar on Innovations in Work Spaces: Smart Ideas for Profitable Business, National Webinar on Floods in Mumbai and its effect on Covid 19: Rain Water Harvesting is now easy, National Webinar on Yoga for Healthy Body, Calm Mind and Strong Spirit, Workshop on E-Utility and E-Certificate, International Webinar on Relieving Stress and Calming your Mind: Planetary Peace Meditation, Complete English Grammer Course: Speaking and Grammer, Webinar on Self Awareness through Brain Science, National Webinar on Innovations in Work Spaces: Smart Ideas for Profitable Business, National Webinar on Floods in Mumbai and its effect on Covid 19: Rain Water Harvesting is now easy, National Webinar on Effective Communication and Presentation Skills, Webinar on Impact

of Covid 19 on Academics and Societal Lifr: Role of Social Media, Online Yoga Session, National Webinar on Yoga for Healthy Body, Calm Mind and Strong Spirit, Webinar on Inculcating Reading as a Healthy Habit, Webinar on Getting you Protected with PPE (Posture, Pain and Ergonomics), International Webinar on Now and Next: Libraries of the future, Online Workshop on E-document Development, National Level Webinar on Sattva Yoga: Power to deal with pandemic, Workshop on e-classroom set up and National Webinar on Social Media Marketing.

**6.5.4 – Post Accreditation initiative(s) (mention at least three)**

Accreditation process for NAAC as well as NBA is streamlined in terms of data compilation and report preparation, Academic audit is initiated in appropriate format to improve the process driven teaching -learning process. Also Question paper audit has been started to facilitate outcome-based assessment and improve the quality of questions, Participation in NIRF, Streamlining of co-curricular and extra-curricular activities of all Departments at Institute level for better outcome and organisation , Started social initiatives such as NSS and Unnat Bharat Abhiyan for creating an awareness and exposure of social and village environment to our students.

**6.5.5 – Internal Quality Assurance System Details**

| | |
|---|---|
| a) Submission of Data for AISHE portal | Yes |
| b)Participation in NIRF | Yes |
| c)ISO certification | No |
| d)NBA or any other quality audit | Yes |

**6.5.6 – Number of Quality Initiatives undertaken during the year**

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|---|---|---|---|---|---|
| 2020 | 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 Ext | 04/01/2020 | 04/01/2020 | 30/06/2020 | 1550 |

| 2019 | MODROB proposal submission to AICTE | 29/06/2019 | 20/12/2019 | 20/12/2019 | 184 |
|-------|-------|-------|-------|-------|-------|
| 2019 | Flood relief campaign for the affected areas near Kolhapur by SEED committee | 12/08/2019 | 12/08/2019 | 15/08/2019 | 1550 |
| 2020 | Compliance report submission to NBA for the following UG programs Electrical Engineering, Mechanical Engineering and Electronics and Telecommunication Engineering | 29/06/2019 | 31/12/2019 | 31/12/2019 | 1550 |

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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme | Period from | Period To | Number of Participants | |
|-------|-------|-------|-------|-------|
| | | | Female | Male |
| Self Defence | 17/01/2020 | 17/01/2020 | 35 | 60 |
| Samvaad (Inter Collegiate Debate) | 16/01/2020 | 17/01/2020 | 18 | 25 |
| Street Play | 16/01/2020 | 16/01/2020 | 10 | 24 |

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

| Percentage of power requirement of the University met by the renewable energy sources |
|-------|
| In Fr.C.Rodrigues Institute of Technology annual power consumption is 183683units/annum of which 22681 units/annum is generated by Renewable source of Energy that is through Solar Panel. (12.34 of total power consumption is generated by Solar panel). Also from the total consumption Percentage of annual lighting power requirements met through LED bulbs is 14.05 |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|---|---|---|
| **Physical facilities** | **Yes** | **Nill** |
| **Provision for lift** | **Yes** | **Nill** |
| **Ramp/Rails** | **Yes** | **Nill** |
| **Rest Rooms** | **Yes** | **Nill** |
| **Scribes for examination** | **Yes** | **Nill** |
| **Any other similar facility** | **Yes** | **Nill** |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|---|---|---|---|---|---|---|---|
| **2019** | **1** | **Nill** | **01/07/2019** | **365** | **Public Transport System** | **In view of limited land parcel available with us resulting in a limited hostel capacity in a metro city like ours, this initiative emphasizes use of well connected and good public transport facilities reducing the burden of having a hostel. This is p** | **1550** |
| **2019** | **1** | **Nill** | **01/07/2019** | **365** | **Tie-up with National** | **We being located** | **10** |

| | | | | | Level Renowned Research Institutes | in Navi Mumbai facilitates to tie-up with premium institutes like TIFR, IITB and BARC for carring out every year high quality projects resulting in the enrichment of students knowledge and skills. | |
|---|---|---|---|---|---|---|---|---|
| 2019 | 1 | Nill | 01/07/2019 | 365 | Coaching Facilities for Higher Studies | Our students get advantage in joining the coaching facilities for preparation of the higher studies in the nearbu area, facilitating the progression of students for higher studies in reputed Indian and foreign universities in engineering, management, | 11 |

| 2019 | 1 | Nill | 01/07/2019 | 365 | Enrichment of Learning Resources | Being located very near to IIT Bombay, we get the advantage in using the rich library resources of IIT - Bombay for carrying out research by teachers, research scholars, and UG students. | 1550 |
|-------|---|------|------------|-----|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 2019 | 1 | Nill | 01/07/2019 | 365 | Teachers Qualification Upgradation | Being located near to reputed educational institutes like IIT Bombay, VJTI-Mumbai, etc. our teachers get the advantage in upgrading the qualification by joining for the PhD / Mtech programs under QIP/Sponsored category for the enrichment of faculty | 6 |

| 2019 | 1 | Nill | 01/07/2019 | 365 | Visiting Faculty from Industry | Industries helps us in inviting experts as Visting Faculty for teaching courses under Institute Level Electives in the final year including Disaster Management Mitigation, CyberSecurity and Laws etc. helping students understand practical aspects. | 90 |
|-------|------|------|------------|-----|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 2019 | Nill | 1 | 01/07/2019 | 365 | SEED | Sustainable, ethical and environmental development (SEED) students council has taken the initiative to conduct activities like book donation, fire safety workshop, flood relief drive, stress management workshop, tutoring | 478 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | the bal bhavan st udents,et c | |
| 2019 | Nill | 1 | 01/07/2 019 | 365 | National Service S cheme(NSS ) | The NSS unit has organized various a ctivities like blood donation camps, AIDS awareness seminar, raddi day, teaching students from Turbhe slum, visit to Mukta jeevan ashram, Asangaon etc. | 300 |
| 2019 | Nill | 1 | 01/07/2 019 | 365 | Ek Bharat Shresht B harat(EKB SB) | Various events were organized by EKBSB unit of NSS. The major events include durga puja, slogan writing activity, essay writing, pledge on social di stancing, screening films on odisha, lecture on odisha history etc. | 402 |
| 2019 | Nill | 1 | 13/10/2 | 261 | Unnat | Creates | 144 |

| | | | | 019 | | Bharat Abhiyaan. | virtuous cycle between society and inclusive academic system by providing knowledge practices for emerging professions and upgrades the capabilities of both public and private sectors in responding to development needs of rural India | |

[View File](#)

## 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

| Title | Date of publication | Follow up(max 100 words) |
|---|---|---|
| Staff Handbook | 01/01/2019 | A professional code of ethics is designed to ensure employees are behaving in a manner that is socially acceptable and respectful of one another. It establishes the rules for behavior and sends a message to every employee that universal compliance is expected. This means that all those in a particular group will use the same professional ethics, even though their values may be unique to each person. The Agnel Institution has an ingrained set of principles and value system which is based on discipline, respect for work and people and |

| | | | |
|---|---|---|---|
| | | | humanitarianism. The working staff inherently follows the written rules laid down in the hand book as also the unstated principles and ethics of the Agnel Institution. The hand book has been devised to bring clarity in the work culture and a standard protocol to be followed in various circumstances. |
| Code of conduct(Students) | 01/07/2019 | | The student code of conduct is aligned with the values and principles of the Agnel Institution. Every student, whilst having their own set of personal value system, is required to follow the guidelines laid down in the student code of conduct. The guidelines clearly state the kind of behaviour and protocol to be followed in various situations. The institue, while it believes in freedom of expression, looks forward to the students giving full expression to their creativity and innovations, adhering to the boundaries laid down by the institute. Regulations have been laid out with utmost clarity so as to give a proper structure to the life of education and learning of the individual student. |
| Rules of various affiiations | 01/07/2019 | | The institute is affiliated to certain governmental technical bodies and follows the guidelines laid down by those bodies. These guidelines help in the smooth functioning of the technical institution. |
| Business Communication Ethics, PCE, TISS-NUSSD | 01/07/2019 | | Mumbai University has devised a syllabus for the engineering students, and in this syllabus, |

Professional Communication and Ethics-1 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 2. There is a more enhanced subject in semester 5, Business Communication Ethics, when the students are older and would be moulding themselves for placements and higher studies. Along with this our Institute has collaborated with Tata Institute of Social Sciences to impart training to the students in various skills like leadership, financial literacy, Professional Ethics, etc.

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|---|---|---|---|
| Independence Day | 15/08/2019 | 15/08/2019 | 150 |
| Samvaad (Inter Collegiate Debate) | 16/01/2020 | 17/01/2020 | 64 |
| Street Play | 16/01/2020 | 16/01/2020 | 33 |
| Republic Day | 26/01/2020 | 26/01/2020 | 1550 |

[View File](#)

## 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Green Landscaping, Waste Management, Rain Water Harvesting, Minimizing Use of Paper, Awareness through courses in the curriculum and Solar Energy Harvesting.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

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. 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). 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 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. Best-Practice-3: 3.1 TITLE-OF-THE-PRACTICE IT Enabled Secured Examination Management System 3.2 Objective-of-the-Practice The Institute is affiliated to University of Mumbai wherein, the examination conduction, Assessment, Result preparation and declaration of First and Final-Year is done by the University while, the second and third-year are managed by Institute on behalf of university. The question papers for all examinations are sent by the University. The answer papers of second and third year are assessed by internal-examiner and moderated by external-examiner. Result of the same, with all applicable ordinances and regulations of the University, is processed by institute and sent to the university for approval. So, a secured examination-system is essential and the following objectives have been set. ? Restrict malpractices and unfair means in the examinations. ? Maintain the reliability, transparency and confidentiality of the examination-system. ? Facilitate revaluation and print the grade sheets and transcripts. Evidence-of-Success The following outcomes are the end result of the practices followed: 1.Fast and authentic generation of Hall tickets. 2.Completion of the 2nd and 3rd year result processing and submission of result to University of Mumbai for approval within 10 days from the last day of examination. 3.Printing and distribution of security enabled Grade sheets to students within 10 days of the declaration of revaluation result. 4.Accurate generation and issuance of transcripts within 2 working days from the date of application. 5.No grievance has been reported regarding the result processing, issuance of grade sheets or transcripts.

| Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link |
| :---: |
| https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/EdrqhI-K47VMvEl_TJlkFmsB6gl49htXfzXVJ9i6LjoWjg?e=FCJz5v |

## 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 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.

| Provide the weblink of the institution |
| --- |
| https://fcrit-my.sharepoint.com/:b:/g/personal/iqac_fcrit_fcrit_ac_in/Efdcd0KvIetMskNi3Z9AFQcBBDdbl9fW_5FEVd75kx0Wiw?e=jyJhSf |

## 8.Future Plans of Actions for Next Academic Year

Our term of the First half of the academic year 2019-2020 has abruptly stopped at the end of semester due to a lock down imposed by the Government of Maharashtra. We are lucky that in this semester almost 90-95 content was covered, so only Term work completion formality Prelim examination were left. But as the lockdown was proposed and seeing the pandemic situation all over the world , it was felt that the next Academic Term may not be in a physical manner.Therefore the major action plan of conducting activities will be through online mode. To effectively conduct classes in online mode, following points to be taken care of - 1. Identification and selection of appropriate platform for online classes 2. Suitable digital content for Theory courses for online mode of teaching. 3. How

to conduct practicals in online mode from the beginning? 4. To monitor online teaching activity, the reporting officer concept was implemented meticulously. To handle any typical difficulties for betterment of the teaching learning process, in the beginning many classes were attended by senior faculties. 5. How to conduct continuous evaluation of the students?