

Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution

CMR INSTITUTE OF TECHNOLOGY

Name of the head of the Institution	Dr.Sanjay Jain
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	+919900759571
Mobile no.	9845172755
Registered Email	principal@cmrit.ac.in
Alternate Email	info@cmrit.ac.in
Address	#132,AECS LAYOUT,NEAR ITPARK ROAD,KUNDANAHALLI
City/Town	Bangalore
State/UT	Karnataka
Pincode	560037

2. Institutional Status

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Swathi.Y
Phone no/Alternate Phone no.	+919900759571
Mobile no.	9900759571
Registered Email	swathi.y@cmrit.ac.in
Alternate Email	iqac@cmrit.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	_https://sites.google.com/cmrit.ac.in/internalqualityassurancecell/aqar																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.cmrit.ac.in/calendar-of-events/																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A+</td> <td>3.57</td> <td>2017</td> <td>30-Mar-2017</td> <td>30-Mar-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A+	3.57	2017	30-Mar-2017	30-Mar-2022
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				Period From	Period To														
1	A+	3.57	2017	30-Mar-2017	30-Mar-2022														
6. Date of Establishment of IQAC	17-Nov-2016																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries															
File Uploaded		31-Aug-2020 0		250															
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.																			
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File uploaded	File uploaded	File uploaded	2020 0	0															
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 :	12																		
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)													
<p>Conducted various Quality enhancement programmes to students and teachers. Received from TEQIP Rs.3lakhs and organized FDP on OBE and NBA Accreditation. Created a new process for teaching learning and monitoring across the departments. Created COPO attainment and gap analysis template and every faculty computes attainment and measures gaps if any for their subject after the results. Created an additional calendar called as IQAC calendar which captures events related only to staff members but not directly related to students. Started with analyzing the revaluation results there by knowing the performance.</p>													
No Files Uploaded !!!													
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													
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No Files Uploaded !!!													
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	2020												

Date of Submission	30-Apr-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<ul style="list-style-type: none"> • CMRIT has in place a Student Information System, an online application portal • A login ID is provided to all the students and their parents/guardians • The students and their parents/guardians can view online the upto date information like class attendance, Internal test scores, Class Time Table, Calendar of Events, Course Lesson plans and many more information.

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

The Institution meticulously develops action plans for effective implementation of the curriculum and highest priority is given for academics. At the outset the Principal, Vice Principal and heads of the departments conduct meeting to develop strategies for effective implementation of the curriculum. Teachers are encouraged to impart the curriculum through innovative teaching methods including power point presentations, assignments, workshops, seminars, projects, internships, industrial visits, e - learning apart from regular/traditional chalk and talk methods. The detailed process is given below:

- The Timetable Committee headed by the Principal and a senior Faculty Member draws up a detailed timetable which efficiently deploys the units of time for academic and co-curricular purposes as for example, theory, practical, tutorial, Club activities, TYL trainings and add-on classes thereby ensuring a balance between the different types of engagement a student is expected to participate in.
- Academic calendar will be followed effectively and all the faculty ensures coverage of syllabus as per the lesson plan. Lesson plans and course files will be reviewed by Chief Course Instructors (CCIs) on continuous basis to ensure effective syllabus coverage.
- Faculty updates day wise lecture activity in ERP to keep track of the progression of the curriculum effectively.
- After every internal test the head of the department along with class teachers assess the results and inform the progress of students to parents. ICP classes will be conducted for slow learners which help them to improve their performance in university exams.
- Novel Teaching methodologies always create a thirst amongst the students to learn a subject more deeply. In this aspect, faculty members are encouraged to use innovative teaching methodologies to make students have a better learning experience. This includes Video Sessions on Technology and Course Modules, Use of e-contents for learning and assignments, Flipped Classroom. Flip-classroom for one subject-equivalent or combination of different chapters from various subjects is planned by the faculty along with video lectures.
- To develop experiential learning among students, encourages them to do mini projects and MOOC beyond their curriculum.
- Institute encourages faculty and students to organize guest lectures, workshops, industry visits to build industry academia interface among students and faculty on regular basis.
- Created a 4 step process for the effective implementation of

teaching learning process 1. Expectation a. Content for setting expectation b. Delivery of expectation set 2. Teaching Content a. Development of teaching content b. Execution/ Delivery of teaching content 3. Evaluation a. Evaluation content preparation b. Evaluation Execution 4. Retrospective • The Internal Quality Assurance Cell (IQAC) conducts periodical reviews about the effective implementation of the course delivery to the students through various process reviewers and CCIs identified. Twice in a semester collects the feedback from the students about the delivery and implementation of various pedagogies used by the faculty and if there any difficulties for the students to adopt these delivery mechanisms. Best practices were shared by faculties who have got more than 90% feedback and result to others during orientations.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
P3 - Java	NA	16/07/2019	6	employability	NA
P4 - Java	NA	10/07/2019	6	employability	NA
P3 - Python	NA	16/07/2019	6	employability	NA
P4 - Python	NA	10/07/2019	6	employability	NA
P5 - Full Stackk	NA	10/07/2019	6	employability	Yes
P5-Machine Learning	NA	22/07/2019	6	employability	Yes
P2-Advanced DBMS	NA	12/08/2019	6	employability	NA
P5-BigData	NA	01/08/2019	6	employability	Yes
P2-Advanced Computer Networks	NA	01/08/2019	6	employability	NA

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
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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	Nil	Nil

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

	Certificate	Diploma Course
Number of Students	973	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
File Uploaded	31/08/2019	650
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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	Computer Science and Engineering	196
BE	Information Science and Engineering	114
BE	Civil Engineering	86
BE	Electronics and Communication Engineering	238
BE	Telecommunication Engineering	35
BE	Electrical and Electronics Engineering	114
BE	Mechanical Engineering	109
MCA	Master of Computer Applications	88
MBA	MASTER OF BUSINESS ADMINISTRATION	105
Mtech	Computer Science & Engineering	4
No file uploaded.		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Feedback is being obtained in ERP to evaluate the performance of the faculty inside the class room by his/her students twice during each semester, first one before IAT1 and end sem feedback before IAT3. After the feedback the results are analysed by HODs for more than 90 and less than 70 and corrective and

preventive actions are initiated to overcome any flaw/s indicated by the said feedback. Faculties with more than 90 feedback and result were asked to present their best practices during orientation programs and mid-semester meetings. Appreciation letters were given to these faculty Also feedbacks are obtained from alumni towards their possible contribution to curriculum development /curriculum enrichment, to support our students in employment and creating an awareness of expectations of the industry. The obtained feedback is analysed and corrective actions are implemented subsequently.

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	File Uploaded	Nil	Nil	Nil
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	3902	422	227	25	252

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	Number of smart classrooms	E-resources and techniques used
252	252	10	78	78	20
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)

Professional counsellor is available on every Friday in the campus and he will visit the departments and interact with students during the semester. A batch of twenty students is assigned to one faculty member who would be officiating as a mentor. Once the students take admission to our institution he/she would have a faculty-mentor assigned and they will be the mentor till he/she passed out. Every student will be counselled at least three times by the faculty -mentor every semester. Issues which can be resolved at the faculty level would be taken care of and those beyond their capability will be referred to the counsellor for resolutions. Mentors will record the student details along with attendance and internal performance in student transformation record. This record contains the complete database of a student for mentoring students. This record is maintained throughout their BE programme and hence it gives the information about how a student has transformed into a Successful Professional in four years.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4324	252	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
252	252	Nil	48	100

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
2019	File Uploaded	Assistant Professor	File Uploaded

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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	CSE/ECE/EEE/C V/ME/ISE/TCE	7	30/11/2020	31/12/2020
BE	CSE/ECE/EEE/C V/ME/ISE/TCE	5	30/11/2020	31/12/2020
BE	CSE/ECE/EEE/C V/ME/ISE/TCE	3	30/11/2020	31/12/2020
BE	CSE/ECE/EEE/C V/ME/ISE/TCE	1	10/01/2020	31/03/2020

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

? Continuous Internal Evaluation is conducted during the semester 3 times along with components of tests, assignment, seminar, and quiz and mini projects. ? Complete performance data of the student is made available in ERP which is accessible to both students and parents. 1. For the purposes of conducting IAT, courses having IDENTICAL syllabus across departments will be identified as a single course. For such a course, all Course Instructors (CI-s) within and across departments have been identified and clubbed together as CI-s for that specific course. 2. All CI-s clubbed under one course must coordinate among themselves, decide the syllabus specific to each of the three IAT-s and communicate clearly and explicitly to their respective class students. Also, the syllabus pertaining to each IAT for each subject must be mailed to the respective student groups. 3. All QP-s are to be prepared using the header template made available separately. Questions are mapped to individual course outcomes and blooms levels as per the template. 4. CI-s are responsible for correctness and quality of the questions framed, they should ensure proper mapping of POs and blooms level to all the questions. 5. Evaluation of IAT blue books must be undertaken ONLY after, and not until, preparing the scheme of evaluation with solutions. 6. After the Blue Books of a particular section are

evaluated, there will be a MODERATION applicable to every CI.

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

An academic calendar is prepared by the IQAC at the beginning of odd and even semester. This includes the academic activities at the college level and departmental industry connect activities. The draft calendar is sent to all HOD's , initiative heads and all the suggestions which are given by them is incorporated before releasing the calendar to all departments by the principal. All the internal assessment tests are conducted centrally as per the academic calendar. Initial and end sem feedback is administered as per the schedule. All other college activities and departmental activities will be updated in the calendar. In case of any eventuality/emergency a particular event may be rescheduled with the permission of the head of the institution

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)

<http://www.cmrit.ac.in/computer-science-engineering/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
File Uploaded	BE	File Uploaded	Nil	Nil	0
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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://sites.google.com/cmrit.ac.in/internalqualityassurancecell/aqar>

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
Any Other (Specify)	0	File Uploaded	0	0
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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
Project Management by Panchatantra	Chemistry	19/11/2019
IPR	Chemistry	26/11/2019

Importance of Design Thinking for students	EEE	06/09/2019
Utilization of electronics for sensing harmful diseases	ECE	03/09/2019
How to plan and executing of design patent	Chemistry	14/10/2019
Expert advice on entrepreneurship	CSE	23/10/2019
Patent Training and Drafting for Faculty	CSE,EEE,ECE,Mech,Civil,TC E	03/02/2020
one day workshop on Indian patent law and design	Chemistry	03/02/2020
Review paper writing training	Chemistry	16/06/2020

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
File Uploaded	File Uploaded	File Uploaded	20/05/2020	File Uploaded
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
File Uploaded	File Uploaded	File Uploaded	File Uploaded	File Uploaded	16/10/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
5	5	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
CSE	1
ISE	2
ECE	2

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	File Uploaded	Nil	0
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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
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UG PG	101
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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
File Uploaded	File Uploaded	File Uploaded	2019	0	File Uploaded	Null
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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
File Uploaded	File Uploaded	File Uploaded	2019	Null	Null	File Uploaded
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Null	Null	Null	Null
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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
File Uploaded	File Uploaded	Null	Null
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
File Uploaded	File Uploaded	File Uploaded	Null
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 activities	Number of students participated in such activities
File Uploaded	File Uploaded	File Uploaded	Null	Null
View File				

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
File Uploaded	0	File Uploaded	0
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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
File Uploaded	File Uploaded	File Uploaded	06/02/2020	28/02/2020	0
View File					

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
File Uploaded	30/05/2020	File Uploaded	Null
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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
190000000	180322623

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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 partially)	Version	Year of automation
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KOHA	Fully	19.11	2019
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4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Nil	Nil	Nil	Nil	Nil	Nil	Nil
View File						

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
File Uploaded	File Uploaded	File Uploaded	31/08/2019
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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	1674	1138	125	0	120	25	300	125	0
Added	0	0	0	0	0	0	0	0	0
Total	1674	1138	125	0	120	25	300	125	0

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

125 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
Anujose	https://mail.google.com/mail/u/0/#search/expectation+setting+videos/FMfcgxwJXC FxBdrSSOkMvOWfhzZjwxfl?projector=1
vidya.U	https://drive.google.com/file/d/1DtOgeM1qe59wKRTlAdBQzlgKxVHigzb2/view
Vidya.U	https://drive.google.com/file/d/1UPggvg2frdjbJdQUhx9V9k4vBah-wOrz/view

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 incurred on maintenance of physical facilities
21000000	180322623	15000000	123166328

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 obtains the necessary requirements of class rooms, laboratories and other infrastructural resources from each department well before the beginning of the academic year. After validation of the requirements by Vice Principal, the available resources are allocated to each department. Any new facility to be constructed / acquired is provided by the management before the semester begins. Wherever there exists a situation that a facility (a laboratory) is required by more than one department suitable adjustments in the timetable would make the optimal use of the laboratory a possibility. Right from its inception in the year 2000 the college has been improving its infrastructure to meet its ever increasing growth. Renovation of older blocks and modernization of laboratories have been done to meet the ever changing academic requirements. The buildings are maintained for their up-keep and repairs on a regular basis. The house keeping team regularly maintains the buildings, corridors and other places clean and tidy. Each department will have a Foreman who is responsible for maintaining the laboratory equipment for their operational conditions. Before the beginning of the academic year the HODs would budget for repairs and maintenance in all their laboratories for the concerned academic year. They identify the agencies that would undertake the maintenance work and would get the equipment ready for operations before the beginning of every semester. The institution has an IT cell headed by a senior member of the faculty to oversee the procurement, maintenance, repairs and replacement of equipment like computers, laptops, projectors and others in the domain area of information technology across the institution.

<https://www.cmrit.ac.in/campus/>

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	CMR Scholarship	65	145000
Financial Support from Other Sources			
a) National	Huawei, Arihant, isquareD, SC, ST	318	15686805
b) International	Grasshoper	5	50000
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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 implementation	Number of students enrolled	Agencies involved
File Uploaded	31/08/2019	Nil	File Uploaded
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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	Number of benefited	Number of students who	Number of students placed
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		students for competitive examination	students by career counseling activities	have passed in the comp. exam	
2019	File Uploaded	Nil	Nil	Nil	Nil
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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
10	10	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
File Uploaded	Nil	Nil	File Uploaded	Nil	Nil
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	Nil	File Uploaded	File Uploaded	File Uploaded	File Uploaded
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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	11
Any Other	13
GRE	5
TOFEL	11
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
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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	File Uploaded	National	Nil	Nil	NA	File Uploaded
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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)

At CMRIT, students council, student members in clubs and college level cells are actively participating conduction of all academic activities, cultural, sports and Extension activities in academic year. The College offers students Clubs to participate in wide range of Co-Curricular, Extra-Curricular, Social and Community Development Activities. Throughout the year numerous events are organized for the students to pursue their hobbies. The students participate in the feedback system. The student feedback is an important exercise while curriculum framing, teaching - learning processes. Students conduct extension activities through NSS, NCC, Rotaract, Women Cell units etc. The students are nominated to Anti ragging committee, Student Grievances committees. Every year the students council actively participate in the National level intercollegiate cultural - technical extravaganza CULTURA. The students of various engineering colleges gather to collaborate, present, discuss, learn and explore development and applications in cutting edge technologies in all the fields of engineering and management. Students form departmental clubs arrange talks , workshops, training programs, Hackathans, competitions from person of eminence from industry. Student Council: This body does planning and execution of annual events in the institution. Few activities they have organized as mentioned below. 1. Students of CMR Institute of Technology celebrated their Ethnic Day every year. 2. As part of pre-CULTURA events CUL-WEEK was celebrated with multiple events which included PHOTOWALK 2K20. 3. In the light of the birth-day of Sardar Vallabhbhai Patel, the Student Council of CMRIT and NSS organized a walkathon on the 31st Of October. 4 NSS Unit of CMRIT in association with TEDx CMRIT as well as Students council of CMRIT organised a Midnight marathon event

CMRIT Committees: Anti Sexual-Harassment Committee Anti Ragging Committee Grievance Redressal Committee Library Committee Hostel Mess Committee Academic Enhancements Cell (AE) Internal Quality Assurance Cell (IQAC) Student club Alumni Committee (SCA) External Exams Competitions Cell (EEC) Innovation Entrepreneurship Cell (IE) Professional Body Connect Cell (PBC) Makerspace Research Committee (RC) NSS Committee Internship Industry Connect Cell e-Yantra Lab Cell Cultural Committee Sports Committee Students Transformation Committee Anit Drug Cell Website Cell Free open source software Cell Evaluation Committee MHRD Innovation Cell SC/ST Student Cell Student Council Placement Career Counseling Time Table Committee Transport Committee Canteen Committee Academic Committee Foreign Student Committee Salary Promotions Committee (SPC) RTI Cell Governing Council Budget Committee Purchase Committee Recruitment Committee Emergency Management response team Media Cell Admission Committee Disciplinary Committee Statistical Cell Equal Opportunity Cell IPR Cell Social media Cell Activity Cell Universal Human Values(UHV)

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the institution has an Alumni Association which plays a vital role. The Alumni Association helps in building a network of the alumni and helps the institute to be in constant touch with the corporate world. The alumni meets once a year, helps in conducting interactive sessions to motivate current

students about the employability in Indian industries, and also educational opportunities within India and abroad. They share their opinions in social networks, blogs and forums. The alumni participate and share through seminars and panel discussions on the competencies they have gained during their course of professional work and provide valuable information to the institute in an attempt to improve curriculum. . Contributions: ? Guest lectures / Webinar sessions ? Placement opportunities ? Internship opportunities ? Alumni meet ? Alumni Quarantine Stories ? Recognizing stories of contribution amidst COVID-19

5.4.2 – No. of enrolled Alumni:

9845

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni's meeting was organized every year on the second day of CULTURA. The event provides an opportunity to alumni to interact with the juniors and guide them in various aspects. 2. Alumni interacted with all fellow students to discuss about the challenges and expectations of industry and also served as alumni evaluator's in judging the teams for Hackathons. 3. Served as alumni evaluator's in judging the teams for Hackathons. 4. Served as resource persons for various guest lectures, club activities and workshops. 5. CMRIT Alumna Ms.Madhavi Shankar (2008-2012 Batch, Dept. of CSE) Co-founder and CEO of Space Basic amp one of the top women entrepreneurs from WTI Awards 2019 for being featured in Forbes Asia 30 under 30, Class of 2020.NITI Aayog (National Institution for Transforming India) Tweets and appreciated our alumna Ms.Madhavi Shankar for featuring in Forbes Asia 30 under 30.

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 institution promotes participative management through periodic meetings with stakeholders. Various committees at institutional levels and departmental levels are responsible for planning and executing many operational procedures in the institution. Every employee at all levels has an opportunity to contribute his/her innovative ideas leading to improved processes and hence higher quality results. The college involves all the stakeholders in decision making process for framing guidelines and rules regulations to ensure smooth and systematic functioning of the institute. The Principal provides leadership for the academic administration and creates an effective environment conducive for learning. He ensures that quality education is imparted to the students that foster the holistic development of the students. He also ensures all-round development of the Institute and achievement of strategic plans of the institution. Meetings of the various committees are conducted frequently to monitor and evaluate activities. The Principal's meetings with HODs are conducted every month to monitor all academic and student related activities. ? Faculty meetings are conducted in every department frequently to convey plans and instructions discussed in HOD meetings and kick-start their implementation as well as take feedback about the plans being implemented.

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
Admission of Students	The selection and admission of students to Undergraduate, Post-graduate, Doctoral programmes are done as per the norms of AICTE, VTU
Industry Interaction / Collaboration	Guest lectures, workshops, industry visits were organized every week by industry experts for students. • Various MOUs have been set up to provide internship, training to faculty and students etc.
Human Resource Management	Qualified, committed experienced faculty and staff members serve in this institute • Teaching technical support staff are recruited as per the guidelines of AICTE / UGC, VTU State government • Office staffs are recruited as per the state government regulations • The student - teacher ratio is maintained as per the AICTE guidelines • Adequate support staff are provided for each department • The processes ensure that the professional needs of the students are fulfilled • Promotion policy is framed as per AICTE / UGC State government rules regulations • Promotion is given to all deserving candidates as per the regulations of the institute, which is in strict accordance with regulatory bodies
Library, ICT and Physical Infrastructure / Instrumentation	All the class rooms are provided with LCD Projectors and Internet to facilitate the faculty to make effective course delivery
Research and Development	A separate Research committee is set up at the college level with a designated conveyor and members from all the departments. The committee plays the following role • Encourage faculty to submit their research proposals to funding agencies. Efforts are being taken to obtain research projects, grants from funding agencies. • Providing monetary incentives to the staff and students for presenting research papers in State. International, National level Seminar and Symposium. • Encouraging faculty to enhance their qualification [Ph.D., programme] • Display the expertise domains among faculty and students. Identify interested faculty and students who can work on different

	domains
Examination and Evaluation	As per University rules regulations, University Examinations Evaluation work is done. 20 weightage given to internal evaluation and 80 weightage given to external evaluation. • Implementation of mapping of Programme Outcomes and Course Outcomes to the Questions in CIE and SEE and thereby calculating their attainments online • Use of Bloom's Taxonomy for developing effective test items
Teaching and Learning	OBE is implemented in the curriculum, across all the departments and for all the courses. • The scheme of teaching is uniform for all the UG/PG courses in the institute • More emphasis on lab-work, self-study and mini projects in each programme. • Providing training on value added programs and Add-on courses of industry relevance. • Encouraged students to register for various technological related certification courses and MOOC.
Curriculum Development	OBE is implemented in the curriculum, across all the departments and for all the courses. • The scheme of teaching is uniform for all the UG/PG courses in the institute • More emphasis on lab-work, self-study and mini projects in each programme. • Providing training on value added programs and Add-on courses of industry relevance. • Encouraged students to register for various technological related certification courses and MOOC.

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

E-governance area	Details
Student Admission and Support	The institution has an ERP system for managing all the processes including admissions, placement, staff welfare, Teaching-learning, student performance and progression. Students and faculties can login with their login IDs and check their IAT performance, attendance and other details.
Examination	The institution in collaboration with VTU has adapted online transactions for all the processes like registering of students with VTU for semester end exam, obtaining admission tickets generated on VTU website and downloading question papers for SEE. Even appointment of examiners for practical examination has been

computerized. Mandated by VTU, the institution has installed web cameras to monitor the conduct of examinations in various blocks

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	File Uploaded	File Uploaded	File Uploaded	Nil
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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)
2019	File Uploaded	File Uploaded	31/08/2019	30/03/2020	Nil	Nil
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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
File Uploaded	Nil	31/08/2019	30/05/2020	0
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
252	252	12	12

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Flexible OODs, OEDs and RCPIE	Flexible OODs	Scholarships

6.4 – Financial Management and Resource Mobilization

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

The institution has established a system to audit all the financial transactions by both internal auditors and auditors of external agency. The books of accounts and the supporting evidences are subjected to both internal

and external audit. The internal audit practices to monitor financial management of the institution ensure sound financial health of the institution. The internal audit is carried out to take care of the requirements specified and laid out by GC on monthly basis. The external audit is carried out biannually.

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
File Uploaded	0	File Uploaded
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6.4.3 – Total corpus fund generated

5275983

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	Nil	Yes	IQAC
Administrative	No	Nil	Yes	IQAC

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

• Parent meet will be conducted every semester and feedback will be taken for improvement • Parents suggest the ways and means for the development of the college during parents meeting. • Departments conduct parent teacher meet two times during the semester to present the status of their ward. • Guest Lectures are conducted through parents working in reputed companies, public sectors etc.

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

• Encouraged to do higher studies in our college or outside • Training programmes are regularly conducted to improve their skills • Personality development program

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

Tie Your LACES Hackathons Village Adoption IE initiatives

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
Nil	File Uploaded	Nil	Nil	Nil	Nil
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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
Women's day	07/03/2020	08/03/2020	145	152
Women's Health care	09/03/2020	09/03/2020	95	Nil
Counselling adolescent youth	21/09/2019	21/09/2019	311	377
Effective communication	07/08/2019	07/08/2019	144	139

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

1. Solar energy a. Solar Tree The solar tree is implemented in CMRIT campus parking area with the aim of utilizing available free and clean energy from the sunlight. The tree is designed with four branches having 3 sub branches in each branch. Every sub branch is provided with a solar panel of 10 W each. These 12 panels are connected in parallel and provide a cumulative power of 120 W which is used to power a 12 V, 150 Ah tubular battery. The battery in turn powers four lights each of 18 W. The panels, load and battery are connected through a charge controller to avoid charge overflow to the battery and also to automatically operate the load from dusk to dawn i.e., from 6pm to 6am. The tree is also provided with grounding which provides a low-resistance path to ground that will conduct the enormous electrical currents when lightning strikes occur. b. Hybrid Solar-Wind System In addition to the Solar Tree which was implemented in the CMRIT campus the Department of EEE have installed a Roof Mounted 100 W Pilot Microgrid (Wind-Solar Hybrid System) at the roof of the UG block. As the wind profile was not that promising in the ground area where Solar Tree is erected, it was decided for a roof mounted system. The pole on which the wind turbine is attached is of 12 ft providing us sufficient height to use ample wind for conversion. With the help of a charge controller and an UPS, the obtained energy from the hybrid system is stored in the battery of 60 Ah placed in the department's PSS/CAED Lab. The capacity of the system can be explained with an example that at maximum conditions it can easily light up 4 LED lights of 10 W each for 4 hours if the battery is fully charged and continues as per the output from the source. c. Solar mobile Charger To make CMRIT campus smart we need to make our energy smart. Solar is a renewable energy which can be used to replace the energy from fossil fuels. Unlike fossil fuels, solar is never going to run out. It will neither produce any harmful pollutants nor contribute to global warming and acid rain. This project aims at harvesting solar energy in the campus and storing it in a rechargeable battery, using which low voltage devices can be charged. It has been deployed in EEE department student lounge so that the students and staff can charge their mobile phones using solar energy. 2. Biogas plant A significant technology called "Khadi Village Industries Commissions" (KVIC) based model to manage generate energy from organic food waste waste water. KVIC technology is a portable ready to use "Biogas Plant" which offers the utilization of biogas produced by bio-methanation process. It can be installed at the waste generation site itself to get Cooking Gas and organic manure from Kitchen waste

instantly. It is highly viable to implement a bio-methanation plant at Hostel /Institute level to treat kitchen waste. 1 cubic meter capacity biogas plant can produce 0.5kg biogas, it can use for 2-3 hours daily

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	Yes	2
Rest Rooms	Yes	2
Scribes for examination	Yes	2
Special skill development for differently abled students	Yes	2
Any other similar facility	Yes	2

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

Title	Date of publication	Follow up(max 100 words)
NA	Nil	NA

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
File Uploaded	Nil	Nil	Nil
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Cleanliness 2.No Plastic campaign 3.Sapling plantation 4.Rainwater Harvesting 5.E-Waste and Hazardous Waste Segregation

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: TYL Trainings Best Practice-2: Initiatives taken during COVID-19

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://drive.google.com/file/d/1-nRNR5ck6aJxGRHfqXGEKK_Yb8AC7qlU/view?usp=sharing

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

Attached in the annexure

Provide the weblink of the institution

https://drive.google.com/file/d/1_8lhJXu_aW308yYcedl0Sxbtw20kcYPm/view?usp=sharing

8.Future Plans of Actions for Next Academic Year

1) To conduct Patent drafting and training by IE heads followed by Mandatory patent filing by all faculties. 2) To initiate startups by faculties across departments. 3) To stabilize Teaching learning process for ensuring higher order thinking and learning from students