



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	CMR TECHNICAL CAMPUS
Name of the head of the Institution	Dr. Avala Raji Reddy
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	09247033440
Mobile no.	9248727220
Registered Email	director@cmrtc.ac.in
Alternate Email	info@cmrtc.ac.in
Address	Kandlakoya (V), Medchal Road, Hyderabad
City/Town	Hyderabad
State/UT	Telangana
Pincode	501401

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	09-Oct-2019																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr Pankaj Agrwal																		
Phone no/Alternate Phone no.	+919247016285																		
Mobile no.	9247016285																		
Registered Email	iqac@cmrtc.ac.in																		
Alternate Email	hod.ece@cmrtc.ac.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://cmrtc.ac.in/iqac/																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://cmrtc.ac.in/academics/academic-calendar/																		
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>3.12</td> <td>2019</td> <td>08-Feb-2019</td> <td>07-Feb-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.12	2019	08-Feb-2019	07-Feb-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.12	2019	08-Feb-2019	07-Feb-2024														
6. Date of Establishment of IQAC	01-Sep-2017																		
7. Internal Quality Assurance System																			
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Group Discussion on Life Skills	24-Jul-2019 7	180																	
A five-day FDP on Teach	11-May-2020	96																	

the Teacher	5	
Advanced Training Lab in STADD	24-Jul-2019 2	120
Seminar on Safe Surfing (Cyber Security Awareness Programme)	25-Jul-2019 1	1200
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8. Provide the list of Special Status conferred 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 P Nagaraju	CSR TEQIPIII	JNTU Hyderabad	2020 365	250000
Dr Y Vijay Kumar	CSR TEQIP-III	JNTU Hyderabad	2020 365	250000
CMRTC	NSTMIS	DST	2019 1095	4300000
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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 :	3
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)

The IQAC ensures that the college maintains a consistently good academic record. For proper improvement of academic standards, the IQAC monitors teaching and student performance. Feedback is regularly taken to facilitate the process. As an advisory body, the IQAC offers suggestions for the development of intellectual property, language skill, the teachinglearning process, infrastructure and many other fields related to the college. • The IQAC ensures a regular attendance of students and teachers around the year. The IQAC inspects and tries to improve college infrastructure. The IQAC ensures that students' grasp all areas of the

curriculum through periodical assessments. • The teachers are encouraged to participate in Refresher Courses, Orientation Programs, Research, Seminars and Workshops etc. for the upgradation of the knowledge base. • The IQAC regulates the processing of the career advancement scheme of the teachers. • All teachers are encouraged to take part actively in research work. The institute will reimburse the publication charges along with cash reward according to the policy. They are encouraged to send proposals for major and minor research projects of UGC, DIST etc. • Departments are encouraged to regularly hold Tutorial and special classes to address the specific needs of students. The IQAC regulates the arrangements for holding seminars, workshops etc. by individual departments to upgrade the knowledge base of the 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
IIC	Activities conducted as per the plan
Workshops/Seminars/Guest Lecturers/ Training programs	Conducted as per the plan
Infrastructural Facilities	Increased in all the departments
No. of MoUs	15 MoUs signed with different industries by the institution
Internal Audit	Conducted Internal Audit
Sensitization of Research Schemes	Faculty are well updated and applying for the reputed funding organization
Establishment of Research Centre	Inspection has been completed by JNTUH
Improvement in the Faculty Quality	Faculty are with PhD
Course based Projects to every Branch Students	Implemented from A.Y. 201718 onwards
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council	04-Jul-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

22-Jan-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission	2020
Date of Submission	14-Mar-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)	The College has a fullfledged Management information system for the Academic and administrative functioning of the college. The administrative system in the college is fully automated with appropriate Bees software and all information on student admission, examinations, marks, fee payments, etc., is available for timely decision making and actions. The College library is also automated and the information regarding the availability of books, issue details, etc., is available to the students and staff at their fingertips. An online public access catalogue OPAC is implemented to enable the students for speedy and convenient access to the library catalogue. All the academic and administrative issues are deliberated and discussed in the appropriate Committees. The deliberations are properly debated and action items recorded and the decisions implemented at all levels in the form of proceedings, rules and regulations and policies. All relevant information about the college is published on the college website for reference. Some forms of MIS are Daily Absent Report Staff and Students, Student Monthly Report, Fee dues list, Faculty Leave Management System, IQAC Monthly Presentation, Management Review Meetings, Budget Meetings, IQAC Quarterly Meetings, Semester Progress Report, Annual Report of Governing Council.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Computer Science and Engineering	19/08/2019	MC510	Nill
BTech	Information Technology	19/08/2019	19IT604PC	Nill
BTech	ECE	19/08/2019	EC303PC	Nill
BTech	Mechanical Engineering	19/08/2019	19ME603PC	Nill
BTech	Civil Engineering	19/08/2019	19CE503PC	Nill
MBA	Business Administration	19/08/2019	19MB203PC	Nill
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CSE, IT	15/07/2019
BTech	ECE	15/07/2019
BTech	CIVIL	15/07/2019
BTech	MECH	15/07/2019
Mtech	CSE	16/09/2019

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
Tech hack(security issues on present technologies)	21/08/2019	120
Machine learning and IOT	27/03/2019	150
Group discussions on life skill	24/07/2019	180
Internet of Things Hands on Workshop	21/09/2019	216

ADX-201 Salesforce Administration Training	29/10/2019	66
Pre Education Programme (PEP-2020)	21/01/2020	17
Manufacturing Application of White cement	17/08/2019	151
Campus Recruitment Training - TCS NINJA	26/07/2019	12
Campus Recruitment Training - WIPRO	24/09/2019	17
Campus Recruitment Training - PYRAMID	13/02/2020	124
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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
BTech	Computer Science & Engineering	75
BTech	Civil Engineering	98
BTech	Mechanical Engineering	15
BTech	Electronics & Communication Engineering	60
MBA	Business Administration	160
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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 SYSTEM A.Y. 2019-20 The survey is conducted and reported by the Internal Quality Assessment Cell (IQAC) with the support of Heads and Coordinators of all the departments. The questioners were prepared in the form of Google form and circulated to all the departments and then to all the stakeholders such as students, alumni, and parents through coordinators. The feedback was taken on different attributes like Basic Facilities, Basic Services, Maintenance and Cleanliness, Co-curricular and Extracurricular activities, Teaching-Learning Process, Mentor-mentee meetings, Food and water, Library Services and Hostels, Sports, Administrative, and Infrastructural facilities. The responses obtained on these dimensions are compiled into a spreadsheet, analyzed and logical conclusions are drawn therefrom. As all the

values are represented in terms of percentage. The results of the survey will help the institution to understand both the short term and long term needs of the students and initiate remedial action to improve the facilities wherever it is required. The outcome of this survey will provide a base for planning for the future.

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
ME	Structural Engineering	18	18	18
ME	Embedded Systems	18	18	10
MBA	MBA	180	180	180
BE	CSE	240	240	240
BE	IT	60	60	60
BE	ECE	180	180	180
BE	MECH	120	120	73
BE	CIVIL	120	120	85
ME	CSE	18	18	1
ME	Thermal	18	18	5
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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	960	250	220	24	244

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
244	240	66	66	6	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)

A mentor is an individual with expertise who can help develop the career of a mentee. A mentor often has two primary functions for the mentee. The career-related function establishes the mentor as a coach who provides

advice to enhance the mentee's professional performance and development. The psychosocial function establishes the mentor as a role model and support system for the mentee. Both functions provide explicit and implicit lessons related to professional development as well as general work-life balance. The term mentee is used here to refer to the broad range of individuals who may be in the role of "learner" in mentoring relationships, regardless of the age or position of the mentor and mentee. Mentee Needs • Guidance in a general or specific professional area • Series of questions or issues • Broad career development • Early career development • Ethical and moral guidance • Assistance in navigating professional settings, institutions, structures, and politics • Professional identity development guidance Mentors • Acts as an experienced role model • Provides acceptance, encouragement, and moral support • Provides wisdom, advice, counsel, coaching • Acts as a sponsor in professional organizations support networking efforts • Assists with the navigation of professional settings, institutions, structures, and politics • Facilitates professional development • Challenges and encourages appropriately to facilitate growth • Provides nourishment, caring, and protection • Integrates professional support with other areas such as faith, family, and community • Accepts assistance from mentee in the mentors professional responsibilities within appropriate limits • Enjoys the opportunity to pass on their wisdom and knowledge and collaboration with early career professionals Every mentor is assigned with 15-20 mentee students and the students are monitored and advised in various professional development and extracurricular activities. The mentor must submit the feedback of the mentee to the higher authority at a frequency of fortnight.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3600	244	1:15

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
3	3	Nil	3	Nil

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	Dr A Raji Reddy	Director	Acharya Ratna, Nava Bharat Nirman and Indian Servers
2019	Mr V Naresh Kumar	Associate Professor	Best Placement officer, Nava Bharat Nirman and Indian Servers
2019	Dr K Srujan Raju	Professor	Best Faculty, Govt of Telanagana
2019	Dr K Srujan Raju	Professor	Sarvotham Acharya Puraskara, Indian Servers

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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
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				examination
MBA	1E	II	30/04/2020	28/11/2020
MBA	1E	I	31/12/2019	28/02/2020
BTech	1 3 4 5	II	30/04/2020	30/11/2020
BTech	1 3 4 5	I	31/12/2019	28/02/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	780	0

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.cmrtc.ac.in

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
8	ME	CSE	4	3	75
1E	ME	MBA	164	68	41.46
2	BE	CIVIL	107	67	62.61
3	BE	Mechanical	163	117	71.78
4	BE	ECE	158	128	81.01
5	BE	CSE	206	156	75.73
Nil	ME	Thermal	13	8	61.54
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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)

Institution has established an online survey to assess institutional performance through the Student Compliance Survey (SSS) through a http://www.cmrtc.ac.in/iqac
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CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money

Dr Ahmed Ali Baig

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

3.2.1 – 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
Interdisciplinary Projects	730	NSTMIS-DST	3590316	2012908
Minor Projects	730	JNTU Hyderabad	250000	250000
Minor Projects	730	JNTU Hyderabad	250000	250000
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

5

3.3 – Innovation Ecosystem

3.3.1 – 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
Awareness on IPR ,Incubation ,Entrepreneurship, Design Thinking and Innovation Management	ECE	19/06/2020
How to design a copyright	CSE	10/10/2019
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3.3.2 – 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
Criminal Face Detection using Deep Learning	Team - Narcodes	MHRD	04/08/2020	Innovation
Rated AA - Best performance	Institute	NPTEL	31/12/2019	Extension

local chapter				
5 Star Rating	Institute	MHRD	30/06/2020	Innovation/Extension
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3.3.3 – 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
CMRTCBI	Guguloth Rahul Nayak	MSME	Multi-utility 360-degree Rotatable Wheel Chair	Societal	18/01/2020
CMRTCBI	Ashley Jude	MSME	Intelligent Solar Oven	Technical	18/01/2020
CMRTCBI	CINASI NARSIMULU	MSME	FCAS-Factory Critical Alerts System	Technical/Societal	19/01/2020
CMRTCBI	Sahasransu Kar	MSME	Criminal Identification Through cct footage using face, emotion, activity recognition	Technical	21/01/2020
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
ECE	1
CSE	3
CVIL	1
MECHANICAL	1
MBA	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	27	Nil
International	Mechanical Engineering	50	Nil
International	Computer Science and Engineering	45	Nil
International	Electronics and Communication	20	Nil

	Engineering		
International	H and S	16	Nil
International	MBA	2	Nil
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CIVIL	6
MECHANICAL	22
ECE	10
CSE	16
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
A METHOD FOR PREPARING AMMONIA GAS SENSOR	Published	201941044639	17/01/2020
METHOD FOR SCALING DISTRIBUTED INFORMATION SYSTEM	Published	202041005176	21/02/2020
INTELLECTUAL PROPERTY MANAGEMENT SYSTEM USING BLOCKCHAIN PLATFORM	Published	202041005178	21/02/2020
SYSTEM AND METHOD FOR LOCATION BASED AWARENESS USING A HANDHELD DEVICE	Published	202041010557	20/03/2020
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3.4.5 – 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
Static axial crushing response on the energy absorption capability of hybrid Kenaf/Glass fabric cylindrical tubes	Dr A Praveen Kumar	Materials Today: Proceedings	2020	6	CMR Technical Campus	Nil

Nanostructured Al and Fe co-doped ZnO thin films for enhanced ammonia detection	Dr P Nagaraju	Physica B: Condensed Matter	2020	17	CMR Technical Campus	Nil
Synthesis and characterization of ZnO-MWCNT nano composites for 1-butanol sensing application at room temperature	Dr P Nagaraju	Physica B: Condensed Matter	2019	21	CMR Technical Campus	Nil
Unmanned Aerial vehicle's runway landing system with efficient target detection by using morphological fusion for military surveillance system	Dr P Venkatakrishnan	Elsevier Computer Communications	2020	3	CMR Technical Campus	Nil
An experimental analysis and process parameter optimization on friction stir welded dissimilar alloys	Dr M. Shunmugasundaram	International Journal of Mechanical and Production Engineering Research and Development	2019	11	CMR Technical Campus	Nil
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the	Name of	Title of journal	Year of	h-index	Number of	Institutional
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Paper	Author		publication		citations excluding self citation	affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
CSE	Training on Agile Software Development	Vaagdevi Info Solutions Pvt Ltd	64000
CSE	Machine Learning Approach for region detection	Cloud Chip Technologies Pvt Ltd	50000
CSE	FCAS-Factory Critical Alerts System	Cloud Chip Technologies Pvt Ltd	50000
CSE	Consistency as a service auditing cloud consistency	Coign Consultancy	200000
CSE	Informaiton security management system	Global Connect	50000
CIVIL	Site investigation and design of building	Shashikiran Builders and Developers	400000
MECH	Design and development of 4 wheelar for logistic application	CMR Automobiles	150000
ECE	A Low-Profile Dual-Band Dual- Polarized Antenna With An Amc Reflector For 5g Communications	Blue Wings Technologies	250000
ECE	Li-Fi Based Voice Communication	Jagruthi Cooperative Urban Bank Ltd	100000
ECE	Prediction of Electric Vehicle Speed Profile on Indian Roads by	Jagruthi Cooperative Urban Bank Ltd	100000

**Third Order
Cumulants**

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

3.6.1 – 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
No Data Entered/Not Applicable !!!			
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3.6.2 – 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
No Data Entered/Not Applicable !!!			
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3.6.3 – 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
Haritha Haram	Govt of Telangana	Planting Trees	4	100
Swatch Baharat	Govt of India	Cleanness and greenness, and Gender Sensitization	10	20
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.7.2 – 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/	Duration From	Duration To	Participant
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		industry /research lab with contact details			
No Data Entered/Not Applicable !!!					
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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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
460	253

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Newly Added
Class rooms	Existing
Laboratories	Newly Added
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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 patially)	Version	Year of automation
NEWGENLIB	Fully	Helium3.2	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	3945	24460	Nill	Nill	3945	24460
e-Books	1000	Nill	Nill	Nill	1000	Nill
Journals	137	Nill	Nill	Nill	137	Nill
CD & Video	3164	Nill	Nill	Nill	3164	Nill
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	Date of launching e-
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		is developed	content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwid th (MBPS/ GBPS)	Others
Existin g	1317	19	100	2	2	0	6	60	0
Added	0	0	0	0	0	0	0	40	0
Total	1317	19	100	2	2	0	6	100	0

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
No Data Entered/Not Applicable !!!	

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
154.5	190.75	195.5	176.22

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)

• The college has a maintenance committee that oversees the maintenance of buildings, classrooms and laboratories. • The maintenance committee is headed by the Registrar who in turn monitors the work of the Supervisor at the next level. The Supervisor is accountable to the Administrative Officer and functions as the coordinator who efficiently organizes the workforce, maintaining duty files containing details about their floor - wise responsibilities, timings, leave etc. The maintenance officer conducts periodic checks to ensure the efficiency/working condition of the infrastructure. • Adequate in - house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus to provide a congenial learning environment. • Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by Non - teaching staff assigned for each floor. Washrooms and restrooms are well maintained. Dustbins are placed on every floor. • The Green Cover of the campus is well maintained by a full-time gardener. • The optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts (AMC). The AMC purview includes maintenance of Generator, Air Conditioners, CCTV cameras and Water Purifiers. • Most of the classrooms equipped with a projector, microphone and speakers. The maintenance is monitored by a system administrator with

supporting staff. • Lab assistants under the supervision of the System administrator maintain the efficiency of the college computers and accessories. • Parking facility is well organized for both staff and students. • The campus maintenance is monitored through surveillance Cameras. • Every department maintains a stock register for the available equipment. • Proper inspection is done and verification of stock takes place at the end of every year. • The civil and electrical work is adequately monitored and maintained by the administrative office. • Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the Administrative office. The requirements are collectively processed in every semester break to keep things ready for the new semester. • Pest control of library books and records is done every year by the maintenance department. • The supervisor and his team are involved in the maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and housekeeping. The workers look after the maintenance of restrooms, approach roads and neatness of the entire premises. Housekeeping services are regularly executed and monitored. • The non-teaching staff is also trained in maintenance of science and computer equipment. • Sports and Games is an internal part of the college and coaches are available for the students-Table Tennis, Cricket, Volleyball, Badminton Court and other indoor games are few of the highlights areas are well maintained. • A well maintained indoor gymnasium • Solar panels and garbage segregation in the hostel and residential take care of the environmental needs.

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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	Merit Scholarships	52	2645800
Financial Support from Other Sources			
a) National	0	Nil	0
b) International	0	Nil	0
No file uploaded.			

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
Leadership Talk	30/05/2020	80	CMRTC
NEAT Logo Contest	25/10/2019	15	MIC
How to plan for Start-up and legal and Ethical Steps	12/05/2020	35	IIC
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	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	
No Data Entered/Not Applicable !!!					
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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
4	3	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
82	620	462	Nil	Nil	Nil
View File					

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
No Data Entered/Not Applicable !!!					
View File					

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
GRE	18
GMAT	1
GATE	4
TOFEL	4
Any Other	12
No file uploaded.	

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

Activity	Level	Number of Participants
Hockey Selections	Zonal	80
Kho-Kho Selections	Zonal	120
Shuttle Tournament	Zonal	180
No file uploaded.		

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	Winner	Nil	1	Nil	Nil	Nil
View File						

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

The college is constituted Student Activity Centre headed by a senior faculty member and two other faculty members. The college is affiliated with various professional bodies Technocultural Clubs. Every department has its activity centre such as the Association of Civil Engineering (ACE), Association of Computer Science Engineering (ACSE), Association of ECE, Mechanical Engineering Student Association (MESA), and Samvidha(MBA). Under these association chapters, various activities both technical and non-technical programs conducted like guest lectures, workshops, project expo, communication skill enhancement, NSS programs - Blood donation, Harita haram a state-level initiative for improving green belts, Sahaya - a helping program for needy people, Placement orientation, Counselling for Higher Education, and Entrepreneurship development programs.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

CMRTC Alumni Association (CMRTCAA) is a registered body, which strives to create a forum to foster a fruitful communication and a congenial relationship between the Alumni and the students. CMRTC alumnus conducts Alumni meet every year on last Saturday of December. The institute strongly believes the success of alumnus reflects the success of the Alma Mater. CMRTC believes in the dictum that the strength of the institution lies in the rapport maintained between its alumnus and the institute. The Alumni acts as advisory members in all professional bodies and closely monitors and advices to the students on various events. Alumni members create awareness on employment opportunities and provide guidance to the pre- final and final year students. Alumni members contribute to the various social service activities through SAHAYA, which is a non-profit organization which renders its service to orphanages, old age homes etc. with the support of alumni and public. Alumni members help in getting permission for industrial visits in their organization. Alumni members help in coordinating for signing MoU with companies where the alumni are working. Frequently the members of alumina deliver guest lecturers /seminars to the students on recent advances in the industry, industry expectations and how to prepare for campus placements etc. Each department separately conducts meetings with their alumni members. Alumni members are also part of NSS activities. Alumni proactively give feedback on syllabus and even provide input in formulation of POs and PEOs. Alumni have been instrumental in aiding financially by contributing books to the library.

5.4.2 – No. of registered Alumni:

560

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

280000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Meeting conducted on 26-10-2019 for the conduction of Alumni meeting activities.
2. Alumni meeting conducted on 28-12-2019.

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 practices decentralization and participative management. The Institutions follow the Professional Management approach in managing Institutions. Professional Management aims at implementing the concept of innovativeness in managing academic and administrative matters. The Institutions always believe in the practices of decentralisation and participative management. The practice of Decentralisation is having own significance in management. It reflects policy decision making, planning and administration, and office management. Management and Administration are responsible for quality initiatives to promote education to all sections. The Institutions enhance the quality at various levels - Management, Governing Council, Director, Deans, HoDs, IQAC Committee, various other committees, Administrative and Non-teaching Staff, NCC, NSS, all the stakeholders involve in the decentralisation and participative management all are working together for the efficient functioning of the Institutions.

1. Management: The Institution promotes a culture of decentralisation and participative management involving all types of stakeholders in the process of decision making. The management always believes in decentralisation and participative management. The management endeavours best substantial independence to the Institutions in all areas of the decision making process.

2. Administration: The administration is the backbone of the Institution. Institution firmly believes to provide quality education to society. The College administration plays an integral role, leading and supporting the development and implementation of policies, programs, and initiatives that are associated with the vision and mission of the college. The administration ensures smooth functioning in all areas like Admissions, Account and Finance, Record Keeping, Evaluation and Supervision, and Maintenance.

3. Faculty Members Faculties maintain a healthy relationship with students, faculty, and the community. The faculties have executed the policies and programs accurately and constructively. The College faculties represent the ethics and attend the professional ethics in the education.

4. Departments The primary role of the department is to provide academic excellence in all activities. The Departments and Head of the Department perform their role and responsibilities initiated with the vision and mission of the college.

5. Non-Teaching Staff In the administration, non-teaching staff plays a crucial role in managing the day-to-day work. The assigned to non-teaching staff is to meet and accomplish operational and strategic objectives.

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

Partial

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	A persistent effort and communication with all stakeholders – management, faculty, staff, students and society at large are being undertaken by the institute to follow the affiliated

curriculum. The teaching-learning process has extensive use of active learning mechanisms. To bring parity in the evaluation of answers carried out by different faculty, the examiners concerned have been directed to discuss the contents of the synoptic answers in a meeting before they start the evaluation of the answers. The rules, processes, categories of offences and corresponding penalties relating to the adoption of unfair means by students during University examinations were reviewed and subsequently revised to deter the students from adopting Unfair Means during the University examinations. Faculty Seminars Research Partnerships A dedicated digital library with around 20 machines is part of our resource centre. Where students can access databases and A-V material. The requirement of the staff and teaching faculty is recruited as per norms by the institute. Few MoUs have collaborated with the industry and academia, guest lectures and workshops are conducted for the exposure to latest edge cutting technologies. Students admitted into category A through state level entrance examination and the category B is admitted on a merit basis.

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

E-governance area	Details
Examination	To use ICT in the process of planning college events and activities, the institute uses personal e-mails . Important notices and reports are also circulated via e-mails. To achieve the target of Paperless IQAC, committee members of it started using Google facilities like Google sheet :- For data collection from Various Departments. Google Docs :- To prepare notices and activity reports. Google Forms :- To prepare Feedback forms and get Online feedbacks from Students, Parents. Google Drives :- To keep all department-wise proofs. The college has Biometric attendance for teaching and non-teaching staff. WhatsApp Group helps to provide the brief notices of any event to have happened in college. With the aim to produce immediate information in finance and Accounts i.e." Single Click Accounting" , this section of College is partially e-

governed. BeesERP software has been implemented partially supported for the student services like Transfer Certificate, Bonafide certificates, Admission Forms, Issue of ID Cards, Library cards and Tuition fee Challan. To achieve Paperless communication between Exam and other departments, the Examination section uses "BeesERP" Software. To generate seat Numbers , Hall-Ticket, F.Y results, To generate class wise roll call list for all classes, student fees Records, Print the exam seat number wise List, Seating Arrangement for University Exams.

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
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	Teach the Teacher	Nil	11/05/2020	15/05/2020	106	Nil
2020	Nil	Effective usage of Ms-Office	22/05/2020	23/05/2020	Nil	12
No file uploaded.						

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
Python Programming with industry perspective	50	02/12/2019	06/12/2019	5

Deep Learning and Applications	90	09/12/2019	13/12/2019	5
Natural Language Processing	70	16/12/2019	20/12/2019	5
Teaching Learning Methodologies	35	13/01/2020	17/01/2020	5
No file uploaded.				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
4	4	5	5

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Insurance	Group Insurance	Group Insurance

6.4 – Financial Management and Resource Mobilization

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

Response: The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted half-yearly by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of the internal audit is submitted to the management of the institution through the director. An external audit is conducted once every year by an external agency. The mechanisms used to monitor the effective and efficient use of financial resources are as below: Before the commencement of every financial year, the director submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management. The college budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non - recurring expenses like lab equipment purchases, furniture and other development expenses. The expenses will be monitored by the accounts department as per the budget allocated by the management. The depreciation costs of various things purchased in the preceding years are also worked out. Process of the internal audit: All vouchers are audited by an internal financial committee on a half-yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the director. The same process is being followed for the last five years. Process of the external audit: The accounts of the college are audited by chartered accountants regularly as per the government rules. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit, would be attended to immediately along with the supporting documents within the prescribed time limits. The institution did not come across any major audit objection during the preceding years. All these mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the institution at all levels. The audited statement is duly signed by the authorities of the management and chartered accountant.

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
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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	Yes	A special committee constituted	Yes	Dean Academic, IQAC members
Administrative	Yes	A special committee constituted	Yes	Director, IQAC members

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

Mentor-Mentee Meeting is going to be conducted for every fortnight and the same is going to be informed to the Director and parents. Academics and training progress is informed through Whatsapp and other mediums of communication. Parent-teacher meeting is conducted after announcing the results of mid-semester exams.
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6.5.3 – Development programmes for support staff (at least three)

Fire fighting training was conducted for security staff, and housekeeping staff. The staff is permitted to pursue their upgrade skills.
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

Green audit planned.

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
No Data Entered/Not Applicable !!!					
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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
Gender Sensitization	26/08/2019	27/08/2019	250	150

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
Renewable energy - 120kVA Solar Power Waste Management - installed waste management system Rain Water Harvesting - created water harvesting pits at suitable positions Green Practices - Planted trees

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	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	8	5	11/04/2019	1	Voter Awareness Program	Nill	65
2019	Nill	Nill	22/08/2019	1	Harita Haram	Nill	45
2019	Nill	Nill	31/08/2019	1	Clay Ganesha	Nill	150
2019	Nill	Nill	25/10/2019	1	Eco Friendly Diwali	Nill	80
2020	Nill	Nill	15/02/2020	1	Traffic Safety Awareness Programm	Nill	24
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Values and Ethics	14/03/2020	Human values are an essential component of ones identity and affect ones employability quotient. Many employers want to recruit people who have higher human standards. In keeping

with this spirit, our institution has developed the four core values mentioned below. Core Values • Student Focus • Strong Ethics • Striving For Excellence • Social Development Professional ethics are widely recognized concepts of personal and professional conduct, beliefs, and guiding principles. Technical associations establish codes of professional ethics that help employees conduct their job duties by sound and consistent ethical standards.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Online Yoga Day celebration	21/06/2019	Nil	82
Woman's Day Celebration	07/03/2020	Nil	256
View File			

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

Eco-friendly Campus

- 1.Green landscaping with trees and plants Institute NSS unit regularly carried out Tree plantation activity. This activity helps in encouraging an eco-friendly environment that provides pure oxygen within the institute and awareness among students. A dedicated staff is allotted for gardening and watering of all trees and plants.
- 2.Plastic free campus Institute encourages non-use of plastic in the canteen and its awareness among students and staff.
- 3.Paperless office Institute purchased ERP (Enterprise Resource Planning) software system and implemented it for academic, training placement and administrative works to reduce paperwork. EPR software is effectively used by students, staff and faculties to perform their daily work and updates, which reduces the paperwork and save time. In addition to this, Notices and Circulars by the Principal and admin office are conveyed to all through emails and WhatsApp groups.
4. Our institute staff and students are using institute and public transport.
- 5.Rainwater harvesting A rainwater harvesting structure is built inside the institute campus to minimize the withdrawal from groundwater and is used for groundwater recharge.
- 6.Solid waste management by using biogas The solid waste generated from the institute canteen is effectively disposed of through biogas and generated gas is used in the canteen.
- 7.Liquid waste treatment The liquid waste generated from laboratories, urinals, etc. is treated inside the institute campus.
- 8.Solar panel installed on roof Solar energy is used as an alternate source of electricity by trapping it inside the solar panels installed on the roof of the institute building.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-1

1. Title of the Practice: Fusion of "Learner-centric Pedagogy" to achieve Graduate Attributes.
2. Goals:
 - Develop Learner-Centric Environment.
 - Skill development through Course-Based Projects.
 - Enhancement usage of ICT in the Teaching-Learning Process.
 - Achieving Graduate Attributes by all students.
3. The Context:
 - Technical education (TE) is getting globalized with the increasing demands and expectations from the industry. The outcomes of TE are not merely a set of skills or knowledge acquired in the classroom setup but has to purposefully serve the requirements of all stakeholders and should, in turn, drive the economic growth of the country and balance/create socio-economic equality.
 - In this context, achieving the universally accepted Graduate Attributes (GAs) by the student community is the major mission.
 - The challenge of achieving GAs can be realized by shifting from Teacher-Centric to Learner -Centric Approach (LCA).
 - One particular pedagogy method may not be sufficient for the diversities existing in the institution. So, a fusion of several pedagogical -Learner-centric methods meets the needs of such diversity in various dimensions of TE in our institution.
4. The Practice
 - The teaching-learning process at Anurag Group of Institution is a fusion of various LCAs. Inspired and imbibed with "The Seven Habits of Highly Successful People" at all a level, intrinsic motivation is encouraged among the students.
 - Teaching and Learning are personalized in a sense where the needs of distinct learning levels, interests, and aspirations are taken care of by the fusion of various methods listed below.
 - Students of today and tomorrow are mostly doers, not listeners -rather want to learn in their environment by doing Learning by Doing.
 - Students of different learning levels face a problem in TE, which can be overcome by cooperative learning in the classroom like Think-Pair-Share and other collaborative mechanisms.
 - Self -driven learning projects help students to actively participate in modelling and development which is taken care of by Course-Based Projects.
 - Goals are set by Teachers and Learners through Career Vision Approach right from their first year to graduating year.
 - Students have the flexibility to learn anytime and anywhere -meaning learning can happen outside traditional classroom "Flipped classroom Blended learning", ICT enabled lecturing through Learning Management Systems like MOODLE, Blogs are in place.
5. Evidence of Success
 - The interactive learning through these initiatives enhanced the team spirit, learning capabilities and soft skills of the student. It created an environment to think out of the box, innovate and find a solution for the problems around them, which also created a responsibility towards addressing the societal problems.
 - Many of the students are part of research projects leading to Patent publications, Startups.
 - Rather than reading the textbooks or listening to the lecture, the classroom teaching is made interactive improved the retention skills. The proactive involvement in course-based projects enhanced the team spirit and motivated towards participation in National and State level competitions.
 - The student success rate improved and this is reflected in the quality and statistics of the placements. The employer's feedback is a clear testimony of this claim.
 - The students opting for international studies can come up with good grades and indulge in research because of the self and interactive learning aptitude.
6. Problems Encountered and Resources Required
 - The admissions are done as per the common entrance examination conducted statewide.
 - Students from various backgrounds, levels are admitted into the technical courses.
 - The learning styles and retention vary across the student fraternity creating a challenge to the classroom deliverables.
 - Continuous training on the usage of ICT and teaching methodologies is difficult when the classwork is in progress.
 - Initial inertia for a paradigm shift.

Best Practice-II

1. Title of the Practice: Introduction of Academia- industry collaboration program.
2. Goals: To make the students and staff familiar with the industrial environment as well as to give the students industry exposure the college has introduced the Academia industry collaboration program.
3. The context:
 - Collaboration between colleges and industries is critical for skills

development (education and training), the generation, acquisition, and adoption of knowledge (innovation and technology transfer), and the promotion of entrepreneurship (start-ups and spin-offs). The goal of the practice is to enable both industry and the college to sustain growth in their areas. • The institution has undergone collaboration with Telangana Academy for Skill and Knowledge (TASK). 4. The Practice: • The institutional authority has signed a Memorandum of Understandings with various industries to conduct the activities related to Academia- industry collaboration. Several activities like industry captain visit, interview preparation, interactive IT learning session, factory/field visit etc. are part of the program. 5. Evidence of success: The students have shown a positive response towards the program. In near future, there is a good scope for the students of working together with industrial researchers which can provide them with the possibility of knowledge sharing that can stimulate the development of new collaborative research projects.

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

<http://www.cmrtc.ac.in/iqac>

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

Vision The Vision of the Institute focuses on four aspects essentially: Global Standards, Value-based Education, Interdisciplinary Research, and Sustainable Development. a) Academic Excellence b) Exploration of Knowledge through Research c) Innovation Entrepreneurship Development d) All Rounded Personality Development with Global Vision and Social Responsibility

Academics Excellence Quality of academic excellence can provide a value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teaching-learning methods. It outlines the commitment to the academic performance expected of all students. The structured induction of the student into the curriculum enables one to visualize the career opportunities and the approach towards achieving them.

Exploration of Knowledge through Research The Institute's determination to be transformed into a centre for major research is so, a commitment to offering high-quality teaching through: o Research-Based Learning Teaching o Research Education Activities

The Course-based projects (both UG and PG), Social impact projects, certificate courses offered by the institute and various other platforms provide knowledge regarding cutting edge technologies, enabling the students to carry out inter-disciplinary research. The Research and Development Centre (RD), of the institute, is equipped with advanced-level research Laboratories to facilitate academic and sponsored projects.

Innovation Entrepreneurship Development The institute provides a platform for business Startups to develop their ideas into commercially viable products. The students participate in the Ideation Competition and the best ideas are rewarded. CMRBI Lab facilitates the students to work on innovative project ideas. The institute encourages the stakeholders to incubate the selected projects, by providing the seed money and infrastructure based on their credentials. ED Cell crucially works on generating the excitement in the young engineering brains to produce innovation and thus laying the stones for entrepreneurship, with full time mentoring by faculty.

All Rounded Personality Development with Global Vision and Social Responsibility Participation of students in Co-Curricular and Extra-Curricular Activities, which helps to enhance an all-rounded personality to strongly face the turbulent road of the future. Experiences and appreciations gained through these activities assist students during internships. Career guidance, Personal counselling/ Mentoring, Training are well structured through a Training and Placement centre. Student participation in Co-Curricular and

Extra-Curricular Activities is facilitated through professional bodies and student associations. Priority College gives priority to promoting education for poor students and girl's students of rural background. The rural background students can't effort their education in urban colleges. Our college provides academic as well as encourage them to participate in extracurricular activities (NSS, NCC and sports) also. Thrust Fortunately, the college has well-qualified faculty members in different departments. They have taken their degrees from the reputed institutes from different part of the country. Therefore, students from rural background are very much benefited from our faculty teaching-learning activities. This is the thrust area that makes us distinctive in the performance of the institution.

Provide the weblink of the institution

<http://www.cmrtc.ac.in>

8.Future Plans of Actions for Next Academic Year

- Improvement of quality of faculty publications
- Reinforcing R D by submitting proposals to various funding agencies.
- Improving patent number by appropriate planning.
- Increase Value Additional courses for Skill development.
- Increasing internships for students and helping them to identify industries for it.
- Strengthening Innovation and Entrepreneurship Development Cell.
- Participation or involvement of students in various outreach, technical, sports and cultural activities to make them responsible citizens of India.
- Improvement in placements.
- Recognition of Research Centre by JNTUH.
- Organization of National/International Conferences.