



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	MCT'S RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
Name of the head of the Institution	Dr. Sanjay Bokade
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	022-26707025
Mobile no.	9224496649
Registered Email	principal.rgit@mctrigit.ac.in
Alternate Email	sanjay.bokade@mctrigit.ac.in
Address	Juhu Versova Link Road Andher (W) Mumbai-400053
City/Town	Mumbai
State/UT	Maharashtra
Pincode	400053

2. Institutional Status																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Urban																
Financial Status			Self financed																
Name of the IQAC co-ordinator/Director			Dr. Sunil Wankhade																
Phone no/Alternate Phone no.			02226707026																
Mobile no.			9819083981																
Registered Email			sunil.wankhade@mctrgit.ac.in																
Alternate Email			sunilwankhade9@gmail.com																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			https://www.mctrgit.ac.in/aqar																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			https://www.mctrgit.ac.in/academic-calender																
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>B</td> <td>2.49</td> <td>2019</td> <td>28-Mar-2019</td> <td>27-Mar-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.49	2019	28-Mar-2019	27-Mar-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.49	2019	28-Mar-2019	27-Mar-2024														
6. Date of Establishment of IQAC			19-Jan-2017																
7. Internal Quality Assurance System																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>AICTE sponsored, Two weeks, FDP on School of</td> <td>25-Nov-2019 15</td> <td>50</td> </tr> </tbody> </table>						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	AICTE sponsored, Two weeks, FDP on School of	25-Nov-2019 15	50					
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Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
AICTE sponsored, Two weeks, FDP on School of	25-Nov-2019 15	50																	

Design Thinking		
AICTE sponsored, STTP on Recent Trends in Energy Management and Audit	14-Nov-2020 30	300
ALUMNISPEAK SERIES	18-Jun-2020 24	90
Faculty Development Program on Engineering Education and the Industry: A post COVID-19 perspective	01-Jun-2020 05	1100
FDP on Machine learning with IoT	16-Nov-2019 05	45
Hackathon: RGIT Code cell's Recursion Hackathon	13-Mar-2020 02	110
Two Days National Workshop on	13-Jun-2020 02	590
STTP on Applications of Applied Mathematics, Recent Trends, Techniques and Use of ICT Tools in Teaching Applied Mathematics.	01-Jul-2019 05	65
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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.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Mechanical Engineering	Short Term Training Program	AICTE	2020 30	389333
Electronics & Telecommunication	Faculty Development Program	AICTE	2019 15	535000
Prof. Amol Mangrulkar	Minor Research Project	Mumbai University	2019 365	23000
Prof. Prathamesh Poddar	Minor Research Project	Mumbai University	2019 365	30000
Dr. Rajesh Kale	Minor Research Project	Mumbai University	2019 365	45000
Prof. Ravindra Y. Kurane	Minor Research Project	Mumbai University	2019 365	42000
Prof. Ankush Hutke	Minor Research Project	Mumbai University	2019 365	30000
Dr. Poonam N Sonar	Minor Research Project	Mumbai University	2019 365	20000

Prof. K. G. Sawarkar	Minor Research Projec	Mumbai University	2019 365	25000
Dr. Yogaraj Shripad Patil	Minor Research Projec	Mumbai University	2019 365	50000
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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 :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
1. Established and implemented a protocol towards COVID 19 safety in the premises. 2.Planning for introduction of online examination portal of 'Entry in Service' for enhancement of students' ability in job market. However, the implementation of the scheme has been done in academic session 201819. 3.Organizing a Workshop for the girl students of the Institute on personal safety 4.Online Feedback System incorporated. 5.Organized Three days Faculty Development program for Staff Training on "elearning:Managing online classes and creating econtents" 6.Organized One Week Faculty Development Program Topic"Engineering Education and the Industry: A post Covid 19 perspective" 01st June -5th June 2020. 7.Created the facilities for online payments by the students towards their fees.	
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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
Audits for Internal Quality Improvements	Documentation Audit:helped us to havethe narrative for decisions madeand responses to different situations. Additionally, to record the information and help us for reasoning that is required to be produced during the

	visits of various committees.). Academic Audit:Encouraged departments to evaluate their Academic Delivery and subsequently to produce, assure, and regularly improve the quality of teaching and learning.The academic audit provided an opportunity for a regular strategic overview of the teaching-learning process of the Institute and assured of the quality of the learning process).
Induction program for First Year Students	Helped the First Year Students toknow about the Institute Vision, Mission and Goal Statements and the Code of ConductHelped students to know about the Curriculum requirement and the Institute facilities
Planning of Social activities	Created an awareness of social norms, behavior in society, sensitivity towards concepts such as equality, respect for others, acceptance of socio-economic differences and other social values
COVID 19 safety protocols	Employees and students safety
Preparation of Academic calendar in the beginning of the semester.	Excellent time management with syllabus completion as well as other scheduled activities
Research and Development	Received research grants from Mumbai University as well as AICTE.Significant increase in research publications. Research projects of students won competitions.Filings of patents by the Department. Research Scholars are happy as they are benefited by the facilities
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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 ?	Yes
Date of Visit	14-Mar-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	06-Feb-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)	G Suite: Use Learning Management System (LMS) to deliver our lectures and course material through digital platform. Giving assignments, conducting Quizzes and analyzing the responses..

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

Institute operationalize the curriculum within the overall framework are provided by Mumbai University, hence, all departments are required to implement the syllabus prescribed by the University. Before the commencement of every semester Principal organizes a meeting with academic council, consisting of all Head of Departments, senior faculties, Student council staff in-charges to develop institute academic calendar. While preparing academic calendar various activities like midterm test, technical festival, cultural festival is planned for academic year. Academic is given topmost priority. Academic calendar is displayed for students and staffs well in advance. Based on academic calendar and time table every teaching faculty prepares a teaching plan for their respective subjects in academic diary. Academic diary contains all the information regarding student, staff and subject like time table, syllabus, planning, monitoring, student attendance, student performance, etc. Content beyond the syllabus is incorporated in subjects. One extra lecture is scheduled per week apart from scheduled lectures for some subjects and accordingly it is reflected in time table. Faculty members follows the teaching plan as per the institute academic calendar also prepare subject note, questions bank, and lab manual so that learner will be more comfortable with subject. In case faculty is on leave he/she will adjust their teaching load with other faculty and will be compensated or additional lecture may be engaged for successful completion of syllabus. Student performance is continuously observed by class advisor and periodically ensured by Head of Department and Principal. Poor performance and attendance of the students is reported to the parents of the respective students via SMS or letter. Review meetings are held in mid of semester. Attendance is displayed three times a semester and Mid-term Exam performance is displayed twice a semester. The college is well equipped with smart class rooms, virtual class rooms, audio-visual and other ICT facilities which are extensively used by teachers in day today teaching to make delivery of the curriculum attractive to students.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Internship on Canine- An Autonomous Quadruped	Internipsh	21/06/2020	5	Yes	Yes

Walking Robot workshop on Six sigma methodology	Training	20/05/2020	5	YES	YES
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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
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	Mechanical Engineering	07/08/2019
BE	Electronics & Telecommunication Engineering	07/08/2019
BE	Instrumentation Engineering	07/08/2019
BE	Computer Engineering	07/08/2019
BE	Information Technology	07/08/2019

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

	Certificate	Diploma Course
Number of Students	1250	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
NPTEL	01/07/2019	86
COURSERA	15/07/2019	103
BASIC WINCC SCADA AND DCS	01/10/2019	71
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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	Mechanical Engineering	61
BE	Electronic Telecommunication Engineering	14
BE	Instrumentation Engineering	22
BE	Computer Engineering	75

BE	Information Technology	52
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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
The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, Parents, alumni, Faculty and Employers. Institution established Academic Council in order to ensure and analyze the academic excellence at student and faculty levels. The institute established an Internal Quality Assurance Cell (IQAC) as a quality enhancement measure for student's performance, faculty performance and utilization of infrastructure and requirements for quality enrichment. Faculty feedback from the students for the respective course is taken twice in a semester on various teaching/learning aspects by IQAC, early stage feedback is taken after 4 weeks of semester start and another round of structured feedback is obtained after the completion of the course. These feedback are analyzed by the Principal and Corrective measures are taken and are inform to the respective faculty members for further improvements. Course exit feedback and program exit feedback are taken to analyze the understanding capability of the students. Program Exit Survey is taken from the final year students at the end of the program. The feedback obtained is analyzed by principal for further improvement. Feedback from of parents is taken by interacting with them during Parent Teacher Meet. Feedback is taken from alumni for suggestions or improvements in the curriculum. Feedback from the final year students are taken for their suggestions in improving the curriculum and it is conveyed to the Chairman, BOS of the respective programmes of University of Mumbai. Feedback from faculties is also taken for their suggestions in syllabus revision. Employer Feedback is also collected from the companies.. This feedback is discussed in meeting of training and placement cell. We have also installed a suggestion box which is accessible to all the stake holders so that they can give their feedback/suggestions for improvements. We have a system of taking feedback from students on infrastructure and also subject wise teachers. This is a feedback on 5-pointscale, which measures parameters like Subject knowledge, Expression, Teaching aids used methodology etc. which is analyzed for taking appropriate decisions for improving the infrastructure and also quality of teachers. The alumni feedback and exit feedback are taken from all students. The college conducts annual Alumni Meet, in which suggestions and feedback are received from Alumni students for improvements in the curriculum and infrastructure facilities. The feedback is key tool which triggers in continuous improvement in the quality of education. The feedback is taken from students in order to analyze and implement as per their needs. Also, feedback is taken from experts and external examiners on quality of our students.

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	M.E. COMP (CNIS)	18	Nil	Nil
ME	M.E. EXTC (EXTC)	18	1	Nil
ME	M.E. MECHANICAL (Heat Power)	18	4	4
BE	MECHANICAL ENGINEERING	120	114	92
BE	INSTRUMENTATION ENGINEERING	60	57	16
BE	INFORMATION TECHNOLOGY	60	87	60
BE	ELECTRONICS AND TELECOMMUNICATION	120	114	64
BE	COMPUTER ENGINEERING	120	137	120

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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	377	4	107	3	110

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
110	80	2	9	Nil	3

[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)

Need of Mentoring: Mentoring is important as it provides professional socialization and personal support to facilitate academic success for under graduate students. Mentoring guarantees students that there is someone who cares about them, assures them they are not alone in dealing with day-to-day challenges, and makes them feel like they matter. Mentoring connects a student to personal growth and development, and social and

economic opportunity. Concept: Mentors are assigned for Second, Third and Final Year Students. Each mentor is for a group of 18-20 students. Mentor provides a support to the students to get adjusted with the college environment and guide them in achieving their Academic Goals. The mentoring system is to understand personal problems of students and solving them with the counseling process. The discipline and social, ethical awareness among the students will also get developed through this activity. Objectives of Mentoring: The purpose of this System is to identify intervening mechanisms to improve the performance of weak students. In this context few objectives come across to achieve desired result. 1. Addressing weaker Students. 2. Addressing Students with Learning Disabilities. 3. Addressing outstation students. 4. To focus and motivate students to achieve learning goals and thereby improve their academic performance. 5. To generate interest in academics and other institutional activities amongst students. 6. To strengthen their knowledge skills and attitudes in such subjects, where quantitative and qualitative techniques are involved so that the necessary guidance and training provided may enable the students to pursue higher studies efficiently. 7. To prepare slower students for competitive exams. The purpose of this System is to identify intervening mechanisms to enhance the performance of bright students. In this context few objectives come across to achieve desired result. 8. To give the motivation and inspiration for higher studies by attempting various technical competitive examinations like GATE, GRE, IES...etc. To support and motivate for participation in national and international conferences and project competition (Such as Hackathon, DRUSE). 9. To give the information regarding institute / department policies (Eg. Financial support for projects and research papers). 10. Encourage the students to attend various outside industrial workshops and internships in summer vacations. Roles and Responsibilities: Principal: Principal shall be the highest authority to take any decision regarding the student mentoring system. Head of the department: Head of department will play a role as a mediator between the mentor /class-advisor and students. Any problems difficulties that students face and needs to be addressed is handled by Head of the department Mentoring Coordinators by Coordinating the Mentor System.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1631	99	1:16

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
123	99	24	Nill	21

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	NIL	Nill	NIL

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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	Mechanical Engineering	VII	26/11/2019	19/02/2020
BE	Mechanical Engineering	V	27/11/2019	14/01/2020
BE	Mechanical	III	26/11/2019	13/01/2020

	Engineering			
BE	Electronics and Telecommunication Engineering	VII	26/11/2019	19/02/2020
BE	Electronics and Telecommunication Engineering	V	27/11/2019	13/01/2020
BE	Electronics and Telecommunication Engineering	III	26/11/2020	13/01/2020
BE	Computer Engineering	VII	26/11/2019	18/02/2020
BE	Computer Engineering	V	27/11/2019	10/01/2020
BE	Computer Eng	III	26/11/2019	10/01/2020
BE	First Year	I	06/01/2019	07/03/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute has a college level Exam committee and a department level internal exam committee. The exam committee works under the supervision of the Head of the institute. The institute exam committee takes the overall responsibility of conducting the end semester examination and the evaluation process of answer sheets and preparing the results. Every department has an internal exam committee responsible for the preparation of Timetable, setting of the question paper, declaration of the results of internal tests. After evaluation of internal tests, the answer sheets are shown to the students for any grievances. The grievances of the students are considered and investigated at the department level. The average of the two internal tests are considered for the internal assessment marks. The main reforms initiated by the exam cell committee is the timely declaration of the results and the moderation of the question papers. For the continuous evaluation process, internal tests, assignments, quiz, presentations, lab work, seminars etc are taken into consideration. Term work marks are given to the student depending on the continuous performance in the internal assessment. The rubrics for each practical and tutorial are based on the parameters: performance, lab ethics, self-learning initiative, conceptual understanding, punctuality and attendance.

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

Before the start of every academic session, Principal along with the Director and Vice- Principal conducts an IAC meeting with Heads of all the Departments and finalize the Academic Calendar in alignment with the university schedule. College academic calendar is designed considering all events in accordance with the University academic calendar. In all 15 weeks are planned which mainly include commencement date, closing date of the term, dates of internal tests I and II, college festivals, submissions, oral / practical exams etc. Schedule for internal exams and tentative dates for University theory and practical exams are displayed in academic calendar. Curricular and extra-curricular activity dates, exam schedules and other activity dates are displayed in the academic calendar. Dean Academics is in-charge of academic monitoring cell.

Academic monitoring cell is responsible for ensuring proper academic calendar and teaching learning process. It monitors all parameters right from attendance, (75 attendance is mandatory as per University rules), assignments, practical's / labs, internal tests. List of defaulter students is notified fortnightly and the parents are informed. Teachers are supposed to maintain course files of their subjects. All assignments are given in first two weeks, so that students can plan and complete the assignments in time. Parent teacher meeting date is also mentioned in the academic calendar. Faculty conducts lectures and practical is as per the timetable in alignment with the academic calendar. Exams and result declaration are strictly followed on the dates mentioned in the academic calendar.

2.6 – Student Performance and Learning Outcomes

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

<https://www.mcitrigit.ac.in/about-institute>

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
MECH	BE	MECHANICAL ENGINEERING	127	127	100
INSTRU	BE	INSTRUMENTATION ENGINEERING	53	53	100
IT	BE	INFORMATION TECHNOLOGY	71	71	100
EXTC	BE	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	147	147	100
COMP	BE	COMPUTER ENGINEERING	152	151	99.34

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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://www.mcitrigit.ac.in/student-satisfaction-survey>

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
Minor Projects	365	Mumbai University	0.4	0.4

Minor Projects	365	Mumbai University	0.25	0.25
Minor Projects	365	Mumbai University	0.3	0.3
Minor Projects	365	Mumbai University	0.2	0.2
Minor Projects	365	Mumbai University	0.4	0.4
Minor Projects	365	Mumbai University	0.42	0.42
Minor Projects	365	Mumbai University	0.45	0.45
Minor Projects	365	Mumbai University	0.3	0.3
Minor Projects	365	Mumbai University	0.5	0.5
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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
Skill Knowledge Enhancement Program	EXTC	30/08/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Nil	Nil	Nil	Nil	Nil
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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
Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	2	2

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

Name of the Department	Number of PhD's Awarded
Electronics Telecommunication	2
Instrumentation	1

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

Type	Department	Number of Publication	Average Impact Factor (if
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			any)
International	Electronics Telecommunication	5	Nill
International	Mechanical Engineering Department	21	Nill
International	Computer Engineering Department	8	Nill
International	Department of Information Technology	6	Nill
International	Instrumentation Engineering	1	Nill
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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
EXTC, COMP. IT., MECH	13
View File	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Improving Extreme Learning Machine Algorithm Through Optimization	Prof. Nilesh Rathod	Advanced Computing Technologies and Applications	2020	Nill	Rajiv Gandhi Institute of Technology	1
Ensemble Method Combination: Bagging and Boosting	Dr. Jyoti Deshmukh	Algorithms for Intelligent Systems. Springer	2020	Nill	Rajiv Gandhi Institute of Technology	1
Development of Project Risk Management framework based on Industry 4.0 technologies	Prof. Prathamesh Poddart	Benchmarking: An International Journal	2020	Nill	Rajiv Gandhi Institute of Technology	10

Enabling technologies for Industry 4.0 manufacturing and supply chain: concepts, current status, and adoption challenges	Prof. A. V. Gotmare , Dr. S. U. Bokade	IEEE Transactions On Engineering Management (EMR)	2020	Nil	Rajiv Gandhi Institute of Technology	12
Survey on fake news detection techniques	Dr. Sunil Wankhade	Advances in Intelligent Systems and Computing	2020	Nil	Rajiv Gandhi Institute of Technology	1
Recognition of American sign language using image processing and machine learning	Dr. Sharmila Gaikwad	International Journal of Computer Science and Mobile Computing	2019	Nil	Rajiv Gandhi Institute of Technology	4
A new continuous sliding mode control approach with actuator saturation for control of 2-DOF Helicopter system	Dr. S.P. Sadala	Elsevier ISA Transactions	2019	Nil	Shri Guru Gobind Singhji Institute of Engineering Technology, Nanded	29

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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
Survey on fake news detection	Dr. Sunil Wankhade	Advances in Intelligent Systems	2020	Nil	1	Mcts Rajiv Gand

techniques		and Computing				
Development of Project Risk Management framework based on Industry 4.0 technologies	Prof. Prathamesh Podar	Benchmarking: An International Journal	2019	Nil	10	Mcts Rajiv Gandhi of Technology , Mumbai
Evaluation of critical constructs for measurement of sustainable supply chain practices in lean-agile firms of Indian origin: A hybrid ISM-ANP approach	Prof. Aswini Gotmare	Business Strategy and Environment, Wiley	2019	Nil	12	Mcts Rajiv Gandhi of Technolo
Recognition of American sign language using image processing and machine learning	Dr. Sharmila Gaikwad	International Journal of Computer Science and Mobile Computing	2019	Nil	4	Mcts Rajiv Gandhi of Technology
A new continuous sliding mode control approach with actuator saturation for control of 2-DOF Helicopter system	Dr. S.P. Sadala	Elsevier ISA Transactions	2019	Nil	28	Shri Guru Gobind Singhji Institute of Engineering Technology, Nanded

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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	31	58	22	19
Presented papers	15	4	Nil	Nil
Resource persons	Nil	Nil	Nil	2
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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
Food donation during COVID	SOCh, RGIT	2	55
Environment awareness SKIT	SOCh, RGIT	5	40
Waste Management Workshop	SOCh, RGIT	22	45
Blood Donation	Student Council RGIT	25	70
Visit to orphanage at Joanna J Buthello Little Angel's Ashram, Malad	SOCh, RGIT	2	30
Tree Plantation in campus	SOCH RGIT	45	30
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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
Nil	Nil	Nil	Nil
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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
THE SUMMIT - CLIMATE CHANGE	RGIT SOCH	Environment Awareness	3	40
Clean up	RGIT SOCH	Beach Cleanup	5	90

drive		Drive		
Avishkar Research Convention	Department of Students' Welfare, Mumbai University	Project Competition	1	7
Unnat Bharat Abhiyaan	Ministry of human resource development	Social	12	78
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
Collaboration in Research activities	5	RGIT	2
Industrial Training	8	Sajjan India Limited, GIDC, Ankaleshwar (Gujrat)	14
View File			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Training	Internship	ROBOSYNC	14/12/2019	04/03/2020	5
Training	Internship	Doordarshan Kendra	23/11/2019	29/11/2019	6
Training	Internship	ONGC	02/12/2019	02/01/2020	7
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
HYFUNN	02/11/2019	Internship and Placement	5
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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
17346000	6339386

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	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 patially)	Version	Year of automation
SOFTWARE OF UNIVERSITY LIBRARIES 2.0	Fully	2.0.0.12	2004

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	722	555374	142	87897	864	643271
Reference Books	257	Nil	22	Nil	279	Nil
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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
Nil	Nil	Nil	Nil
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 Bandwidt h (MBPS/ GBPS)	Others
Existin g	755	17	50	5	1	0	0	50	0
Added	40	0	30	0	0	0	0	30	0
Total	795	17	80	5	1	0	0	80	0

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

80 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
Nil	<u>Nil</u>

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
13991000	4729545	7990000	18141002

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)

Laboratories, library and computers are upgraded as per the guidelines of syllabus issued by University of Mumbai. A central purchase committee invites the application for laboratory equipment upgradation, repair and maintenance. Library invites the book and journal requisition from all the faculties for various subjects in the curriculum. A central library committee is formed to address the various issues and smooth functioning. Number of computers on the campus are as per the student's ratio and guidelines of AICTE. Computers, internet service, browsing center is maintained by system administrator and IT facility maintenance in charge. Cleanliness and hygiene are maintained in class rooms and all the places through housekeeping staff. Sports complex is open to all the students. Facilities are available for various sports and are maintained by sports facility incharge. Various competitions and Annual Sports Events are organized in sports complex facility. Annual budget is allocated for the purchase, repair and maintenance and housekeeping facility. Budget is approved after scrutiny and approval of board of governance and local management committee.

<https://www.mctrgit.ac.in/policies>

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	NIL	0	0
Financial Support from Other Sources			
a) National	Government of India Scholarship (EBC)	Nil	0
b) International	Nil	Nil	0
<u>View File</u>			

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
SUMMER INTERNSHIP 2019	15/07/2019	54	CATKing, Mumbai
FE Induction Programme	13/08/2019	289	RGIT
Web Development workshop	16/01/2020	50	CESS , RGIT
Resume Building	19/07/2019	65	IBS
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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 students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Soft skill program by Campus credintials	125	125	110	63
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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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
TCS, Quaqtiphy, L T, Infosys	300	156	Reliance, NSDL	100	22
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	55	CSE, IT, ET, MECH	CSE, IT, ET, MECH	North Carolina State univer	Master of Science, ME, M Tech

sity, Steven's Institute of Technology, New York, US

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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	14
GMAT	1
CAT	1
GRE	23
TOFEL	21
Any Other	3
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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
Sports	Inter College	60
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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	Silver Medal	National	1	Nil	160101149	Daksha Sudhir Raut
View File						

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

The institute has given high importance to the student's council, their suggestion and recommendation for overall growth of students in terms of academics as well as extracurricular activities. Every year elections for student council formation for posts like President General Secretary, cultural secretary, sports, treasurer, marketing and technical secretary are being conducted via multiple level of interviews and the committee head are supported by various student co-coordinators to implement various sports, cultural and technical events in the institute or represent the institute in various events at university, state level, national and international level competitions. President lead all meetings, give assistance, guidance, and praise, act as a facilitator during discussion, maintain frequent contact with faculty and administration, work with advisor on all planning, participate in student council sponsored activities/events. Vice President work closely with President, assume President's duties when needed, work with President and Treasurer in preparing calendar and budget, assist the President in preparing

meeting agendas. Treasurer oversees council expenses and revenues, maintain an accurate and detailed financial record, give monetary advice to the council. Secretary keep an account of minutes at every meeting, keep an accurate account of attendance at every meeting, maintain contact information for people who work with the council. The events are planned well in advance taking into consideration the academic calendar. The student council guided by their respective staff convener is responsible for smooth conduction of the event. Budget is decided for all the events with financial support from the institute as well as sponsorship to improve the event capability and quality every year. The suggestions and recommendations provided by student council are always considered for continuous improvement. Apart from the institute level committee there are various departmental committees to implement various activities at department level. Events are always concluded with felicitation of winning candidate and vote of thanks. The institute is always progressive towards growth of students and overall development of individual so that similar skills can be utilized and groomed further in higher studies or industry.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institute has a registered Alumni Association for building strong bond between alumni and present students. The alumni give support to the students through interaction, financial funding, guidance and placement. The association also provides opportunities for interaction between past present graduates and faculty of the college. The mission of the Alumni Association is to foster a mutually beneficial relationship between the Institute and its alumni. Objectives of the Alumni association: • To encourage and promote close relations between the Institution and its alumni and among the alumni themselves. • To promote and encourage friendly relations between all members of the alumni body, an interest in the affairs and well-being of the Institution. • To initiate and develop programs for the benefit of the alumni. • To assist and supporting the efforts of the Institution in obtaining funds for development. • To serve as a forum through which alumni may support and advance the pursuit of academic excellence at the Institution. • To guide and assist alumni who have recently completed their courses to obtain employment and engage in productive pursuits useful to society. • To organize and co-ordinate reunion activities of the Alumni. The student alumni have always responded positively by contributing to the growth of the institute by sharing their experiences with everyone during the alumni meet conducted. They have provided appropriate references for placement of students in various organizations. Their feedback has been most significant improvement of teaching learning process and has helped students grow in terms of personality and technical growth. The institute has acted positively to conduct various activities on hardware and software application and also soft skill programs to enhance the student quality. Alumni have encouraged the students by providing career guidance in both academic and extracurricular fields to the public at large and creating opportunity for transfer of technology/ knowledge amongst the members.

5.4.2 – No. of enrolled Alumni:

1250

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1) Mr. Ajay Sharma--(Alumni batch 2009)- (Lead account Manager, Digital sales, Halliburton-Northern Gulf) on dated 18 June 2020(Time-11:00AM) on topic Prospects for Mechanical Engineering Graduates in oil gas sector. Zoom Meeting <https://zoom.us/j/99953281480?pwdSnRrRDRSR2Zjc1FseVg2cDQxclh0UT09> Meeting ID: 999 5328 1480, Password: 790102 Youtube Link:<https://youtu.be/ycmun3qFhfI> 2) Mr. Aniket Chaudhary-(Alumni batch 2010)- (R D Engineer at National Manufacturing Institute, Scotland, Glasgow) on dated 28 June 2020(11:00AM) on topic Exploration of Career opportunities for Mechanical Engineers in the world of Automobile Engineering. Zoom Meeting: <https://zoom.us/j/91777657146?pwdM1Z1NnJpRkp0am9WcXJxZVNtY0Qxdz09> Meeting ID : 917 7765 7146, Password : 675517 Youtube Link -<https://youtu.be/ycmun3qFhfI> 3) Mr.Prafulla Dangat -(Alumni batch 1997)- (Commercial Director in spanish Multinational M/S Tecnicas Reunidas -India Region) on dated 04 July 2020 (Time 5:00PM) on topic "General knowledge of Economics and Finance for Engineering Professionals." ZoomMeeting:<https://zoom.us/j/98204524729?pwdYmtxUk1jbm430HI3ZVlya05LN2JvQT09> Meeting ID: 982 0452 4729 Password: 296863 Youtube Link : <https://youtu.be/H155ubQPT0E> 4) Mr.Tarun Ochani -(Alumni batch 1997)- (Account Executive global portfolio leader at Capgemini, Greater Atlanta Area, USA) on dated 12 July 2020 (Time 5:30 PM) on topic "LEADERSHIP" Zoom Meeting- <https://zoom.us/j/95946882054?pwdVmFca3FEZ2RyRjFxEEdYR1dld01GUT09> Meeting ID: 959 4688 2054 ,Password: 021493 You tube live link-<https://youtu.be/w0ZDfK-a8iU>

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)

Since inception, the institutional leadership and the Management has been practicing the principle of 'Shared authority- shared responsibility. From Hierarchical perspective, the managing body bestows all the functional and administrative powers, through the Principal, to respective officers and the staff for functioning effectively as per the institutional vision and missions. The institute includes and involves each and every stakeholder, directly or indirectly, in designing and implementing its policies. Over the years, the institute has strengthened and implemented the concept of participative management by practicing decentralization of its functional and administrative powers. During 2018-19 (Post NAAC -First Cycle visit), our institute broadened its horizon of participative management by giving more powers to the IQAC cell for planning, implementing and managing institutional quality policies, ensuring effective curriculum delivery and introducing new quality sustenance measures in all the functions under the jurisdiction of the IQAC Cell. Pre-NAAC, most of the decisions related to quality mandates was shared responsibility of the academic council and the IQAC. The post NAAC visit, the institute has given full powers to IQAC for implementing its quality policies and strategic plans. The IQAC is functioning as independent body and is successfully contributing to enhancing the quality of teaching- learning and evaluation practices as well as administrative effectiveness at the departmental and institutional level. The IQAC has been taking strategic steps for enhancing learner experiences through introducing quality teaching learning practices and fair and standard examination practices. As a testimony of IQAC's quality initiative, they are planning to introduce the concept of midterm submission for the improvement of the quality of continuous internal assessment of the students' term work. The IQAC regularly interacts with respective heads of departments and the HODs communicate plans and policies assign roles provide feedback for realizing the targets of the relevant academic year. Moreover, the IQAC has been encouraging the teaching and supporting staff to upgrading their (teachers-staff) skills, undertake research projects and implement new

initiatives. Secondly. The institute revised its existing committees and introduced select new committees for making institutional functions more decentralized enabling the officers and the staff to interchange their roles and responsibilities encouraging all the staff members to assume leadership or membership of existing or/and new committees. These fully functional institutional and departmental committees are given special powers for managing the various functions of the institute. The principal of the institute consults these respective committees before implementing respective decisions and policies. As the institute revised and introduced the committees, the concerned staff has got the opportunity to get involved in institutional decision making .With periodic reviews and revisions, the institute will undertake all possible initiatives for implementing decentralization of its roles and functions for empowering as well as encouraging participative management.

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
Examination and Evaluation	For Examination and Evaluation, the institute has set the highest priority for conducting the internal and end semester examination and continuous evaluation as per the norms of regulatory bodies of the university.
Human Resource Management	For Human Resource Management, the institute has ensured that its human resources recruitment and management practices are as per the prevalent rules and regulations of statutory and regulatory bodies like AICTE, DTE, MUMBAI UNIVERSITY and others.
Industry Interaction / Collaboration	For Industry Interaction /Collaboration, the institute regularly invites and visits industrial professionals, entrepreneurs and professionals for promoting continuous industry -academia interaction. the institute encourages industry experts and professionals to contribute as the advisory members to the institute.
Curriculum Development	Curriculum Development, the institute successfully implemented the curriculum as per the norms of the University of Mumbai.
Teaching and Learning	The institute encouraged the teaching staff to enhance the quality of teaching learning practices for effectively implementing outcome-based education.
Research and Development	The research programmes undertake Minor Research Projects increase publications and participate in R D

activities and projects. As per the institutional strategic plans, the institute is showing its commitment and successfully enhancing the infrastructure and promoting new facilities in terms of quality research.

Library, ICT and Physical Infrastructure / Instrumentation

Library, ICT and Physical Infrastructure / Instrumentation. Based on the stock verification and write off reports, the institute took relevant decisions of enhancing the quality of its facilities and infrastructure.

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

E-governance area	Details
Planning and Development	The institute is Permanently Affiliated to University of Mumbai. Management is giving all possible supports to improve teaching learning process, research and development, improve placements etc. The institute has also planned for NIRF/AICTE-CII/ QS rankings in the near future
Administration	The trust has bestowed all executive and administrative powers to the Principal and he has been given full authority in all the decisions related to the institute. Furthermore, the Principal functions effectively through an effective academic council, which comprises of HODs, Professors, Associate Professors and other concerned officers of the central administration.
Finance and Accounts	Finance and Accounts: The institute has a chief finance accounts office who keeps track of expenses. The department is responsible for receiving student fees disbursements of funds as when required. The annual record of audit balance sheet is properly maintained
Student Admission and Support	The institute strictly does admissions as per DTE, Govt of Maharashtra mandate and participates in CAP process. Students come from different categories are eligible for scholarships free ships as per government rules. The institute supports the students throughout the academics by giving them training of aptitude test ,soft skills for their placement. Also supporting them financially for projects, paper publications, supporting them for sports other cultural activities. Different

carrier development programs for higher studies and placements are organized in the institute in the regular basis.

Examination

University of Mumbai offers choice-based credit-based grading system of examination, wherein the students have choice of department level institute level electives during third final year. The BE course is of 4 years duration with 8 semesters. Other exam heads like term work, practical, oral, internal tests are as per the University scheme.

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	Prof N. J. Panaskar	Incubation Start-up congress	SPCE, BVB, Mumbai	4130
2019	Prof A. V. Gothmare	ICIE-2019	SVNIT, Surat	4498
2019	Mr. Nilesh Rathod	STTP on DevOps	KJSCEIT Sion	2500
2019	Mrs. Anushree Deshmukh	Foundations of Machine Learning	IIT-Bombay	5900
2019	Prof. S. D. Gaikwad	NPTEL Course	NPTEL-IIT	1200
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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	"Application of Applied Mathematics and Recent Trends, Techniques and use of ICT tools in	Nil	01/07/2019	05/07/2019	20	Nil

	Teaching Applied Mathematics "					
2019	Trends in Cyber Security	Trends in Cyber Security	13/06/2020	14/06/2020	70	10
2020	"e-learning: Managing online classes and creating e-contents" organized by "IQAC	"e-learning: Managing online classes and creating e-contents" organized by "IQAC	05/07/2020	07/07/2020	80	25

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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
REFRESHER COURSES (NPTEL)	20	01/07/2019	30/09/2019	90
Moodle Learning management System, Spoken Tutorial project-IIT, Bombay,	5	25/04/2020	30/04/2020	5
Engineering education the industry	110	01/06/2020	05/06/2020	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
83	27	70	10

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
a) Conditions of thework Environment - Safety- Housekeeping -Distribution of workhours - Workmen's safety measures b) Conveniences-Provision of	a) Conditions of thework Environment - Safety- Housekeeping -Distribution of workhours - Workmen's safety measures b) Conveniences-Provision of	a) Conveniences- Provision of drinkingwater - Urinals andbathrooms - Canteenservices - Reading roomb) Health Services - Yogacamp - Health campsNI

drinkingwater - Urinals andbathrooms - Canteenservices - Reading roomc) Health Services - Yogacamp - Health camps d)Economic services -Financial grants -Savings schemes (GSLI) -Gratuity	drinkingwater - Urinals andbathrooms - Canteenservices - Reading roomc) Health Services - Yogacamp - Health camps d)Economic services -Financial grants -Savings schemes (GSLI) -Gratuity	
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6.4 – Financial Management and Resource Mobilization

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

The institute has highest commitment for implementing policies related to proper financial management. It regularly conducts internal and external and its under the guidance of competent authority. During the commencement of each academic year, the respective departmental Budget Committees and the institutional authorities prepare budget and decide allotment related priorities and policies.

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
NIL	0	0
No file uploaded.		

6.4.3 – Total corpus fund generated

0

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	RGIT	Yes	RGIT
Administrative	No	Nil	Yes	RGIT

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

Parent teacher meeting is conducted twice in a year in the mid of the semester.Counselling

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

NIL

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

Applying for NBA Accreditation in all departments

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Nil
c)ISO certification	Yes
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
2019	Orientation and Induction program for First Year Students	14/04/2019	06/08/2019	08/08/2019	240
2019	Documentation Audit of all Departments	14/04/2019	24/07/2019	30/07/2019	110
2019	Academic Audit of the Departments	14/04/2019	22/08/2019	26/08/2019	110
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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 Celebration	06/03/2020	06/03/2020	98	52

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
The institute is committed to undertake environmental welfare /sustainable initiatives and it conducts Clean-up drives, tree plantation, project competition/s and awareness seminars or workshops on environmental related issues. Indeed, the institution would take all possible efforts/decisions for using alternate/renewable energy resources for meeting its power requirements. Total lighting requirement 36.58KW Lighting requirement met by using LED 1460 watt Total power requirement 246 KW Through LED 4

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Nil	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages	Number of initiatives taken to engage with and	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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	and disadvantages	contribute to local community					
2019	1	1	13/09/2019	1	Beach clean-up drive	clean-up drive was carried out on the following day	32
2019	1	1	03/02/2020	1	Visit to Asha kiran foundation	To impart knowledge to the students of slum area who cannot afford tuition	20
2019	1	1	18/08/2019	1	Visit to orphanage at Joanna J Buthello Little Angel's Ashram, Malad	Donated blankets, medicines, sanitizers to orphans	32
2019	1	1	03/04/2020	6	Food donation during COVID	The total funds raised by the student organisation was 1.7 lakhs Total number of people helped: 18,157 Total number of families provided kits of food grains(inclusive of Remote Aid): 630 families Total	55

						number of families provided zomato feeding Ind	
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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)
Student Code of Conduct	18/03/2019	During the first year students' Orientation/Induction programme, the institute issues Student Information Kit which includes 'Student Code of Conduct.' The code guides students about students' roles and responsibilities
Staff Code of Conduct	03/01/2019	The staff code of conduct is prepared in the context of guidelines provided by Mumbai University, Manjara Charitable Trust and other relevant regulatory bodies. The duties, roles and responsibilities of staff and rules and regulations are included in Staff Code book.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Sessions conducted on universal human value for the first year students as per guidelines framed by AICTE	13/08/2019	16/08/2019	356
Convocation Pledge during convocation ceremony of graduate students	03/02/2020	03/02/2020	250
Voter's day celebration and pledge to vote	24/01/2020	24/01/2020	85
Voters registration drive	06/08/2019	06/08/2019	55

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

- 1) Regular organization of Clean up drives
- 2) Organization of Blood Donation drive every year
- 3) Spreading awareness about growing environmental concern through workshops/seminars
- 4) No plastic cups and plates are allowed in canteen
- 5) Tree plantation on campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link http://mctrgit.ac.in/IQAC-RGIT_best_practices-converted.pdf

Best Practices- 1

Title of the Practice: - Social responsibilities Environment care.

Objectives of the practice: -

- To make the students, faculty and staff of College aware about Social responsibilities Environment care.
- To motivate students about environment care and importance of social responsibilities in their life.

The Context: - Rajiv Gandhi Institute of Technology has a broad social vision and aiming to be a major contributor of environment, humanity and bringing together people to join the act. The goal is to increase awareness of social responsibilities in students. The youth of today is self-involved and does not often reach out to the community. Increasing a sense of belonging with the community and developing a sense of service for the community is very important. We strongly believe in the imbibing the social and moral responsibilities of an individual in the academic stages itself.

The Practice: -

1. The students are exposed to the village life and the problems faced by villagers through the Unnat Bhart Abhiyan under MHRD. The students are assigned projects of providing technological solutions.
2. Students are exposed to take up the social responsibilities through the platform of SOCH, a student chapter of Rajiv Gandhi Institute of Technology which aims at overall social reformation of the society. In case of natural disasters students extend the possible help in form of various contributions and logistics etc. The students from SOCH every year actively conduct events to spread the importance of sustainability and let the youth be a part of it.

Evidence of Success: -

Beach Clean-Up Drive: Every year The SOCH RGIT conducts an annual event “The Beach Clean-Up Drive” at Versova beach in collaboration with Mr. Afroz Shah , the man behind the world’s largest beach clean- up project being a lawyer by profession. The clean-up drive is carried out on the following day of Anant Chathurdashi so as to make aware of the consequences of immersing hazardous material into our waters. This year the drive was conducted on 13th September 2019.

Visit to Asha Kiran foundation: This event was organized on 3rd February 2020 with a motive to impart useful knowledge and ignite the curiosity of the children. The team members of SOCH taught them the importance of education in future and how it is beneficial for them to build a good career and personality in today's world.

COVID Lockdown food project : Food distribution project was conducted during lockdown to provide ration and foodgrains to the invisible population of Aarey and SGNP(Sanjay Gandhi National Park). The total funds raised by the student organisation was 1.7 lakhs

Total number of people helped: 18,157

Total number of families provided kits of food grains(inclusive of Remote Aid): 630 families

Total number of families provided zomato feeding India kits : 3818 families

Orphanage Visit 2019-20: the SOCH committee of our college organized an orphanage visit to the Little Angel orphanage in Malad. The visit was conducted on 18th August and many students actively participated in it. Donated blankets, medicines, sanitizers to orphans.

Waste Management Workshop: On 4th October 2019, The SOCH-RGIT organized an informative workshop on Waste Management for teaching and nonteaching faculties of RGIT to create awareness about waste segregation. Ms. Gauri Shingare , a research professional in RuR GreenLife Pvt. Ltd. interacted among faculties regarding implementation of waste segregation

on personal and public level. Tree Plantation Drive: Considering the manifold benefits of trees, the RGIT team conducts tree plantation drives every year.

This year also on 26th January 2020, tree plantation drive was successfully performed in and around the campus. Blood Donation Drive: Institute arranges one day BLOOD DONATION CAMP every year in association with Student Council of RGIT. This year also camp was organized on 14th August 2019 and event was so successful that 190 students and college staff donated blood. Seed Modak Making

Event: On 1st September 2019, The SOCH RGIT collaborated with the Ek beej Ek saavli organization for seed modak making event. Ek beej Ek saavli work for the development of the students of Adivasi padas in Aarey. We on the behalf of RGIT donated a small amount of stationery to the students. Seed Modak is basically a modak shaped seed ball. Generally, seed bombs consist of soil, manure and other required nutrients along with the seeds inside it. You just need to throw that in the soil and itll grow into a plant all by itself. The seed inserted inside the modaks was of Imli and Tulsi and we had made around 275 modaks. Environment

Awareness SKIT: On 9th September 2019, During break time students from Team SOCH performed a SKIT to spread awareness about sustainable celebrations. The effects of unsustainable practices on our natural water bodies were demonstrated. Problems encountered and resources required: -

- Human resource management is difficult many times.
 - Problems in management of time after class hours.
 - Students face difficulty in raising funds for conducting events
 - Active and voluntary cooperation is required from the students and faculty members
 - More awareness programmes related to social responsibilities are required for students.
- Best practice-II Title of the Practice: - To maintain quality policy of the Institute IQAC Objectives of the Practice: -
- To scrutinize academic activity and to maintain transparency in documentation.
 - To help teaching faculty to know their performance and area of improvements.

The Context: - Institute is NAAC accredited for five years. Additionally our one undergraduate program is NBA accredited in order to have sustained quality standards an Internal Quality Assurance Cell is established in the Institute. As per IQAC policy, documentation and academic audit are conducted every year.

The documentation audit is intended to maintain transparency in data documentation and the academic audit is intended to maintain a good standard in academic as teaching learning process and other deliverables. The Practice: -

- Documentation Audit: There is a practice of internal documentation audit to be taken up annually. This ensures the quality of documentation with the departments.
- Academic Audit: Academic Audit is carried out in all the departments every year. The external experts from reputed institutions are invited as an auditor. This ensures good standard in academic as teaching learning process and other deliverables.

Evidence of Success: - Documentation and academic audit is conducted successfully every year. Depending upon the feedback given by external auditor, corrective action is taken. Academics has been improved to some extent by these corrective actions taken. Teaching staff profile enrichment has also happened because of suggestions given by external auditor such as attending NPTEL courses or publishing domain specific research articles. Problems Encountered and Resources required: - For smooth conduction of documentation and academic audit a proper training is required for different level coordinators

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

<https://www.mcitrigit.ac.in/best-practices>

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

7.3 Institutional Distinctiveness Provide the details of the performance of the

institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words The institute has a broad social vision and shows transparency in all institutional activities and initiatives. The institution has never compromised on rules and regulations of all statutory governing bodies and committees, and always showed willingness to take initiatives for social awareness and empowerment activities. The institute is committed to provide high quality technical education and inculcate social values, ethics and other soft skills in the students. The institute has never let 'money' and 'profit' become its priority and always has assisted financially and academically weaker students through acting as a support system as and when required. The institute's students and the staff actively participate in all social, environmental and academic initiatives through different forums and platforms.

Provide the weblink of the institution

<https://www.mctrgit.ac.in/institutional-distinctiveness>

8.Future Plans of Actions for Next Academic Year

Computer Engineering which have emerged as new branches in the engineering education and shall be offered in the form of AI and Data Science, AI and Machine Learning, CSE in IoT, CSE in Cyber Security . The integration of AI DS is going to create a revolutionary change in the coming days and provide opportunities for graduate engineers. Institute is planning to start new UG programme in AI and Data Science. To establish collaboration and exchange program with reputed Institutions in Research activities by implementing Scientific and technological ideas in terms of Workshops, Seminars, Conferences, Technology transfer as well as research projects. We are applying for additional seats of Ph.D. in Mechanical Engineering, Computer Engineering and Electronics Telecommunication Engineering for which we may get approval. Presently we have 10 seats in each discipline. We are planning to create research atmosphere in the institute. Therefore lot of initiatives to improve Industry interaction are being taken. Our Training and placement cell is trying with more industries for mutual benefits. To submit proposals to funding agencies for research and Modernization of Laboratories (MORDROB) Institute is Planning for introduction of online examination portal of 'Entry in Service' for enhancement of students' ability in job market. Dr. S. B.Wankhade -IQAC Coordinator Dr. S.U. Bokade- IQAC Chairperson