



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution		MALLA REDDY ENGINEERING COLLEGE
• Name of the Head of the institution		DR.A.RAMASWAMI REDDY
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone No. of the Principal		9348161125
• Alternate phone No.		9348161303
• Mobile No. (Principal)		9348161125
• Registered e-mail ID (Principal)		principal@mrec.ac.in
• Address		Maisammaguda (H) , Gundlapochampally Village, Medchal Mandal
• City/Town		Secunderabad
• State/UT		Telangana
• Pin Code		500100
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)		20/01/2014
• Type of Institution		Co-education
• Location		Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr.T.Rajesh				
• Phone No.	9942988173				
• Mobile No:	9942988173				
• IQAC e-mail ID	iqac@mrec.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://mrec.ac.in/IOAC/IOACAOAR				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://mrec.ac.in/Academics/AcademicsCalendar				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.01	2010	28/03/2010	27/03/2015
Cycle 2	A	3.20	2015	25/06/2015	24/06/2020
Cycle 3	A++	3.52	2022	08/03/2022	07/03/2029
6.Date of Establishment of IQAC			01/07/2010		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Institution	UGC 2f &12 B	UGC	28/01/2013	Nil	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				

9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1. IQAC ensures that the academic plan is implemented as per the schedule 2. Achieved 201-250 Band in NIRF 3. Achieved the highest-grade A++ with a CGPA of 3.52 4. Students feedback is collected and analyzed to improve the quality of teaching and necessary action taken on the faculty with low feedback. 5. All the members of the faculty are encouraged to attend seminars, workshops, conferences, etc. during this academic year. 6. All the departments are encouraged to conduct seminars, workshops, conferences, etc. 7. Development of quality benchmarks/parameters for various academic and administrative activities of the institute. 8. Constant encouragement and inspiration by the IQAC to promote research aptitude and research ethics among faculty members & students. 9. Orientation of faculty members/administrative staff regarding the Revised Accreditation Framework of NAAC Conducted by IQAC Coordinator and Criteria Heads. 10. Documentation of various programs/activities leading to quality improvement. 11. Various Committees are re-constituted for support services on the recommendation of IQAC for the CAY. 12. Induction classes were organized at the beginning of the session about the rules & regulations of the college, student support services, and code of conduct. 13. Remedial classes for slow learners. 14. Conducted Environment, Energy, and Green audits for the campus. 15. Conducted Academic and Administrative Audits access the strength and weaknesses of departments.</p>		
12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		

Plan of Action	Achievements/Outcomes
To Submit NAAC 3rd Cycle SSR	Achieved the highest-grade A++ with a CGPA of 3.52
Applied for NIRF Rank-2021.	Achieved 201-250 Band in NIRF
Designing and implementing Annual plans for quality enhancement	IQAC conducts regular review meetings with every department and assess the progress in academics
To collect feedback from various stakeholders	Feedback forms were collected from various stakeholders (Students, Teachers, Employers, Alumni, Parents)
Organization of workshops and seminars on quality - related themes and promotion of quality circles and institution-wide dissemination of the proceedings of such activities.	Implementation of teaching / learning process using multimedia lectures, NPTEL video lectures, etc.
Conducted two awareness programmes on IPR in association with NIPAM	Published 92 Utility Patents and 6 International Grants
Motivated the members of faculty and conducted various programs on Research Methodology and Various Government and Non-Government Schemes for Grants	It helped faculty members to write research proposals to UGC, DST, AICTE and the institution received funds worth Rs.121.37 Lakh from various government and non-government agencies.
Motivated faculty members to publish research articles in reputed journals and as per the research policy of the institution, Incentives to faculty for research, research publications and qualification up gradation	Faculty members published 442 Journals in CARE Journals
Conducted various activities to develop Ministry of Innovation Cell of our college and motivated the students to	Business Incubation centre sanctioned by MSME, New Delhi on 8th March 2022, Submitted 51 ideas for MSME Idea hackathon,

actively participate in MIC and EDC activities.	Received 15 Lakh funds under MSME champion scheme for making the prototypes for identifying path holes on roads., Received 4-star rating from Ministry of Education's Innovation Cell, 24 members of faculty were certified as Innovation Ambassadors by Ministry of Education (MoE)
To use Student satisfaction survey report for policy making and implement new plans to help students.	Action taken ATR on student feedback is compiled for last five years.
To continue remedial classes for academically disadvantaged students.	Remedial classes were conducted for the academically disadvantaged students after the publication of the odd semester result
To motivate the students to join MOOCs in SWAYAM portal.	Conducted various meeting about the SWAYAM MOOCs for the students to join the online program.
13. Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
BoG	22/06/2022
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2021-22	10/02/2023

15. Multidisciplinary / interdisciplinary

Multidisciplinary education is a unique educational approach that allows the students to learn & explore distinct subjects or curriculum from various disciplines. The National Education Policy (NEP) 2020 envisioned a large multidisciplinary Higher Education Institution (HEI) in every district, by the end of 2030.

A distinctive feature of MREC is the sustained effort of its IQAC towards curriculum enrichment through interdisciplinary and multidisciplinary activities as they provide a social context and perspective to the teaching-learning process and an opportunity to broaden the knowledge gained from regular curricular activities.

Recognizing the future paradigm shift of higher education towards a multidisciplinary model, as envisaged in the new education policy of the government, this endeavor of the IQAC reflects foresight and prepares the institution for seamlessly adopting the new policy, when implemented.

Incubation Center of the college endeavors to enable young minds to transform their innovative ideas with multidisciplinary expertise into viable business plans and actions.

The following interdisciplinary and multidisciplinary activities were organized in the session 2021-2022.

1. Project Expo - VISESH
2. Lectures on multidisciplinary/ interdisciplinary topics, delivered both by college faculty and invited speakers are held each year. These lectures provide a unique opportunity for the students to realize the importance of the interdisciplinary approach in academics in solving issues of national and global importance. Other lectures on gender issues, environmental awareness, sustainable development, and many other relevant topics are held all year round.

16. Academic bank of credits (ABC):

Academic Bank of Credits (ABC) is a virtual/digital storehouse that contains the information of the credits earned by individual students throughout their learning journey. It will enable students to open their accounts and give multiple options for entering and leaving colleges or universities. There will be "multiple exits" & "multiple entries" points during the higher education tenure & credits will be transferred through the ABC seamlessly.

ABC can be considered as an authentic reference to check the credit record of any student at any given point in time. Thus, the concept of ABC is fuel to boost the efficiency of faculty and help students embrace a multi-disciplinary educational approach. The idea is to make students "Skillful professionals" and help their overall growth.

MREC emphasizes Academic Bank of Credit is envisioned as a digital bank that stores a student's credit from any course in the due years and will register under ABC portal in the academic year 203-24. MREC offers curriculum flexibility with interdisciplinary or multidisciplinary courses as add-on. This is a key tool for facilitating multidisciplinary and comprehensive education, as mentioned in NEP to ensure many entry and departure points into and out of higher education.

17.Skill development:

The Government of India has initiated various convergence efforts across the skill ecosystem under the "Skill India Mission (SIM)". Under the Mission, more than 20 Central Ministries/Departments are implementing Skill Development Schemes/Programmes to enhance the skill levels of students on pan India basis to create a skilled workforce as per the needs of the Industry. As per the National Education Policy 2020, MREC also recognizes the importance of soft skills such as communication, teamwork, problem-solving, decision-making, analytical thinking, resiliency, etc. as imperative life skills.

Special care is taken by the institute to offer Skill development training programmes to the students through the Centre of Excellence (Venue for skill development) so as to ensure that the students get suitable Placement opportunities.

IIIC of MREC is working on Industry-Institute Interaction and preparing manpower of world-class in the field of science and technology by inculcating various skills required by the industry. Though the availability of manpower is abundant in India, well-equipped manpower with employability skills is the real need of the hour. There is a need to create avenues for close academia and industry interaction through all the phases of technology development, starting from conceptualizing to commercialization.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

It is the moral responsibility of all the stakeholders in the Indian

educational system to strive for quality and equitable education for all by extending stimulating courses on Indian Knowledge System to the students at a young age so that they know the importance of "doing what's right", with a logical framework for making ethical decisions.

Indian Culture and Philosophy have had an important effect globally. The contribution of these iconic legacies to world heritage, on one hand need to not only be supported and conserved for future generations but also systematically researched, improved, and put to new uses through our evolving education system and the New Education Policy 2020.

MREC provides the course to provide undergraduates with proper guidance on the history, culture and philosophy of India. MREC also introduces the main themes and debates related to that history and also intended to manage with the basic skills including Group learning and group work, culture, seminar presentation and writing of essays. MREC also supports NPTEL courses through online mode to the benefit of students and faculties to enhance their technical knowledge.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Outcome Based Education (OBE) is an important demonstration tool for student-centred instruction that focuses on measuring student performance through the attainment of various parameters like COs, POs, PSOs and PEOs. OBE starts with a clear picture of what a student should be able to do, design the curriculum, teaching-learning process and assessment to ensure that the outcomes are attained. It demands the students to be actively engaged in the learning process and demonstrate his/her skills through more challenging tasks and higher order of thinking. MREC adopted OBE in the true sense since the A.Y. 2012-13 and has successfully implemented OBE by monitoring the achievement of POs and COs at different stages of the program. Once the POs and particularly COs are defined, delivery method is planned to ensure effective student learning. The teaching-learning process should ensure that the student acquires the knowledge and skills as stated by the POs & COs. We calculate the attainments by the direct and indirect assessment tools. The direct tool comprises of internal exams, assignments, projects, comprehensive viva, end-semester examinations, etc. Every question, quiz and laboratory performance is mapped to the CO it addressed. Assignment and test questions are designed using Bloom's Taxonomy. A MS-Excel-based system called Digital Course File (DCF) is developed for the computation of CO-PO

attainment for each student and class average. Colour coding is effectively used in the DCF to differentiate between underperformers and students who have satisfactorily met the target. This system generates report on the attainment of COs and POs for each student and class average. The indirect tools include various surveys like exit surveys, alumni surveys, employer surveys, curriculum feedback etc. Every question in the survey forms is mapped to the relevant POs and PEOs. Once the data is keyed into the digital course file CO-PO attainment is computed automatically. 80% weightage is given to direct assessment and 20% weightage is given to indirect assessment as per recommendations from the department advisory board and programme assessment committee. The programme assessment committee and course faculty analyse the results of the attainment of COs and POs and compute the total attainment of PEOs. It submits a report regarding the attainment of PEOs, POs and COs to the DAB, which then reviews the analysis and prepares an action plan to improve student learning. Course faculty is also actively involved in the process of improving the teaching-learning process and continuous quality improvement.

20.Distance education/online education:

Technological advancements necessitate digitization in all fields, including education. Learning trends have changed significantly with the advent of Covid-19 and the subsequent closing of schools, colleges, and universities. Learners started to look for ways and mean to continue their education in a much safer and more comfortable environment. They are usually presented with two learning modes, online and distance. Distance education is traditionally known as the 'correspondence course' where study material and learning resources are sent to students through the post and now in the age of the internet through email. In fact, in the modern day and age, the material is often in the form of video tutorials along with PDFs and other documents. Online learning is a more modern way of studying. It utilizes the Virtual Learning Environment (VLE) - such as Moodle, Collaborate, or Blackboard to share multimedia lectures, have discussions, send student resources, and conduct exams. The lectures are pre-recorded or are held live. It is a more interactive teaching method where the teacher and student often meet through the digital medium. MREC has an eATL facility, through which students can access technical magazines, journals, and other reading materials from anywhere and anytime. Moreover, the academic lectures by the senior faculty members are also captured through the lecture capturing system for difficult concepts and the same is uploaded to the MREC YouTube channel for the benefit of students.

Extended Profile

1.Programme

1.1 19

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 5202

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 978

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 4924

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 653

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	385
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	385
Number of sanctioned posts for the year:	

4. Institution

4.1	607
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	

4.2	96
Total number of Classrooms and Seminar halls	

4.3	2130
Total number of computers on campus for academic purposes	

4.4	3126.59
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

- Curriculum preparation - Based on local, national, and global developmental needs within the local context. .
- Department BoS - Faculty and external subject experts
- Deliberate and discuss the relevance of CO, PO, and PSO of the proposed curriculum relevant to local, national, and global development needs. o Implementation of CBCS
- Collection of feedback from stakeholders - Periodic curriculum revision to strengthen CO, PO, and PSO attainment.

- Course syllabus design - To attain Knowledge, Skill, Attitude, and Values - Objectives, Outcomes, Assessment as per Bloom's taxonomy, concept map, Text and reference books, and lecture schedule.
- Courses for each curricular component - Course map based on prerequisites - - Course Schedule -Course credit allocation .
- Curriculum - balanced in composition among Basic sciences, engineering sciences, humanities, and social sciences, Core, Core electives, open electives, project work, and employability enhancement. . It also specifies various metrics to assess POs.
- The process for designing the program curriculum:
- Step 1: Program Assessment Committee - Draft curriculum preparation - Inputs: Department Vision, Mission; Stakeholders' feedback, CO, PO, PSO attainment; Statutory bodies' guidelines.
- Step 2: Pre-BoS meeting - Draft curriculum, and recommendations for changes.
- Step 3: BoS meeting - Finalize the curriculum and syllabi Step 4: Academic Council - Approval of the curriculum and syllabi

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://mrec.ac.in/NAACDocument/20230706154753-1.1.1%20Additional%20Information%202021-22.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

19

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

653

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

179

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

19

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institution integrates cross cutting issues relevant to gender, environment and sustainability, human values and ethics by

introducing specific courses in the curriculum and various activities such as Orientation Programmes for first year students, Women empowerment programmes and counseling activities. The academic courses that address these issues are listed in the following Table attached. In addition to these courses, the institution has Women Development Cell (WDC), Women Grievance Cell (WGC) and Antiragging Cell to deal with the issues relevant to gender, human values and ethics. WDC is constituted to facilitate women development & safety and respect to women. WGC looks into any complaint from girls & women staff. WDC organizes seminars and invited lectures by domain experts to bring awareness towards women empowerment and legal rights. With an emphasis on the need of counseling the young minds, counseling cell is constituted to address the students' behavioral and academic issues. It strives to provide an admissible atmosphere to the students by organizing personality development camps to overcome the gender differences, conducting training programmes for the students and staff on counseling. Anti-Ragging cell plans the activities like Anti-ragging campaign, formation of anti-ragging squad, Debate, Skits, Awareness talk by Government officials for curbing the ragging menace and making the students aware of human values. The cell addresses the complaints by the students, scrutinizes and approves the reports of the Anti-ragging Squad.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

68

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

5202

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1060

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://mrec.ac.in/FeedbackAnalysis/Curriculum
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://mrec.ac.in/FeedbackAnalysis/ActionTakenReports
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1669

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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

607

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The students admitted into this institution are from diverse social, economic, cultural and vernacular backgrounds, with disparate levels of knowledge and skills; hence their learning needs are different. The Institution has career guidance cell and also has mentoring system to help the students to address their concerns and improve their learning levels. The students are also given orientation towards communication and improving their language skills.

Guidelines to identify slow learners/advanced learners

Process for Assisting Slow learners

The students admitted into this institution are from diverse social, economic, cultural and vernacular backgrounds, with disparate levels of knowledge and skills; hence their learning needs are different. After the admission of students, MREC organizes an orientation program for all the students by bringing experts in the area of personality development to motivate them. The Institution has a career guidance cell and an effective mentoring system to help the students in addressing their concerns and improve their learning levels. The students are also given orientation towards communication and improving their language skills.

Process for Encouraging Advanced learners

The complete methodology followed in MREC helps in encouraging the slow learner to become an advanced learner and prepare an advanced learner to reach the highest opportunities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2021	5202	385

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Teaching methodologies of MREC are designed in such a way that they enable the students to develop their skills through theory as well

as hands-on experience. Our students and faculty members interact regularly with industry, academic and various government organizations.

Following are the teaching methodologies followed by teachers in MREC

Student-centered learning, also known as learner-centered education, broadly encompasses methods of teaching that shift the focus of instruction from the teacher to the student. Teaching and Learning of MREC puts students' interests' first, acknowledging student voice as central to the learning experience. MRECs teaching learning emphasizes each student's interests, abilities, and learning styles, placing the teacher as a facilitator of learning for individuals rather than for the class as a whole. Experiential learning, participative learning and problem solving methodologies are well adopted to ensure the holistic development of students and facilitate life-long learning and knowledge management.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

MREC, being an Autonomous Institution, encourages intensive use of ICT enabled tools including online resources for effective teaching and learning. All the faculty members of MREC are using ICT tools and resources. The Learning Management System (LMS) of MREC was established in the year 2015 and was effortlessly utilised by faculty and students. As MREC is using its LMS for a long time now.

Learning Management System (LMS):

- MREC has its own Learning Management Systems www.mrecacademics.com.
- The video lectures of faculty members were uploaded to MREC Academic Lectures Youtube Channel. (https://www.youtube.com/channel/UCoN0ikxANX6C_asc8rTLq_Q/videos).

ICT Facility:

- All the Classrooms are ICT enabled with a Desktop, LCD Projector and Wi-Fi connection..
- Information & Communications Technology (ICT) enabled teaching methodologies and advanced technology is being followed by the faculty members in classrooms.

E-Learning Resources

- The electronic resource packages like IEEE Periodicals Package, Springer Link, Wiley Blackwell, Elsevier Science Direct, McGraw-Hill Access Engineering, J-Gate, ASTM Digital Library, DELNET, Inflibnet's N-LIST Program, Knowledge Hub Engineering e-library (k-hub), NPTEL, SPOKEN TUTORIAL and Digital Library are available. (<https://mrec.remotlog.com/>).
- Study materials were made available on the college website for the benefit of the students. (<https://mrec.ac.in/Examinations/ExaminationsStudyMaterials>)
- Previous semester question papers can be downloaded from the website for practicing analytical courses (<https://mrec.ac.in/Examinations/ExaminationsQuestionPapers>)

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://mrec.ac.in/Infrastructure/ICTFacilities
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

351

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Preparation and Adherence to Academic calendar:

An academic calendar is framed based on the discussions with the Internal Quality Assurance Cell (IQAC), Controller of Examinations, Department Heads, Department level consultative committee and other decision-making authorities. The framing is carried out at least 15 days before the commencement of the academic year. The academic calendar is issued to the faculty members and students and published in institution website.

<https://mrec.ac.in/Academics/AcademicsCalendar>

The academic schedule provides

- Date of commencement of the academic session.
- Duration of semester.
- Commencement of Continuous Internal Evaluation (CIE) test.
- Last working day.
- Parent teacher meeting.
- Commencement of practical and semester end examinations (Regular & Supplementary).
- Study period, and date of reopening of the forthcoming semester etc.,.

The Adherence to academic calendar is ensured by periodic reviews in different levels like Course Monitoring Committee (CMC) meetings, Departmental meetings, Program Assessment Committee (PAC) meetings.

Teaching Plans:

In our institution, the teaching plans (Course plans) are prepared by the faculty at the beginning of the semester and circulated to students. Students can view the plan and prepare accordingly. The teaching plan contains the module number, topic name, number of hours, teaching methodology and date.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

385

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

116

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1436.14

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

26

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

44

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The institution has automated academic, examination and evaluation process. The following are the IT integration and reforms in the examination procedures and processes.

- EMS services are available to integrate all the activities in the examination cell. The pre and post-examination activities are integrated, starting with examination notification, generation of time tables, list of eligible students to issue hall tickets based on the attendance database, scanning the marks slips and processing the results and printing the reports, certificates etc.
- Complete automation of the examination processes helps in the successful execution of examination process such as monitoring of examination fee payment, examination schedule, seating arrangement, attendance monitoring, coding and decoding of scripts, etc.,

Question papers moderation and selection

1. Moderators are selected based on subject handled and total experience.

2. Moderation is done on the same day 3 hours before examination of the question paper received from Question Paper setters in highly confidential section of the examination branch.
3. The moderation procedure includes identifying and rectifying grammatical mistakes, out of syllabus questions, reframing the question.

Chief Controller of Examination selects one Question Paper out of Moderated Question papers, received from Question Paper setters, two hours before the examination, and then it goes for Printing.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mrec.ac.in/Examinations/ExaminationsNotices

2.6 - Student Performance and Learning Outcomes

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

Yes, Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are framed by the department delivering the concerned programme following extensive consultation with all faculty and stakeholders, in strict accordance with the objectives of Outcome-Based Education (OBE). Following the achievement of consensus, the information is extensively disseminated and popularised through different channels, including Website, Curriculum /regulations books, Classrooms, Department Notice Boards, Laboratories, Student Orientation Programs, Meetings/ Interactions with employers, Parent Teachers meetings, Faculty meetings, Alumni meetings, Professional Body meetings, Library, etc. While addressing the students, the HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors and course coordinators also inform the students in creating awareness and emphasize the need to attain the outcomes.

Outcome-Based Education (OBE) is implemented in this Institute since 2012 as OBE give emphasis on what is expected from the student when they finish their course. The POs/PSOs of the programme are published through electronic media at individual department site located on the college website <http://www.mrec.ac.in/>. The COs of the courses is also published in the syllabus books through electronic media at <https://mrec.ac.in/Academics/AcademicsSyllabus>.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://mrec.ac.in/Academics/AcademicsSyllabus

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Yes, the attainment of programme outcomes and course outcomes are evaluated by the institution.

Process of Attainment of Course Outcomes

Direct evaluation techniques

- Giving home assignments and study the performance of each student
- Course assessment
- Conduct mid semester exam
- Conduct end semester exam covering the entire syllabus of the course
- Laboratory assessment
- Conduct departmental seminar to each student about any relevant topic to assess the communication and presentation skills.
- Project Assessment
- Assessment of Internship project

Conduct minor project review meeting at the end of 7th semester and final project review at the end of 8th semester.

Process of Attainment of Program Outcomes

The assessment of the Programme outcomes is made based on the indirect and direct assessment methods. In this 80% of direct assessment and 20% of indirect assessment considered for attainment.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1106

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://mrec.ac.in/IOAC/IOACSSS>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The dedicated Research & Development Cell (R&D cell) is established with an objective to create a high-quality research ambience in the institute that helps to take up high quality research.

- The R & D Cell evolves strategies and policies to encourage the faculty members with incentives for publishing quality research papers, filing patents, Books, Book Chapters and Conferences.
- The R & D Cell is to create an ecosystem both in terms of infrastructure and scholastics that would enable the faculty

members and students to take up research in therecent trends.

- To achieve high quality research ambience in theInstitute, a Research & Development Centre is set up with the objective of developing the strategic plan forresearchand implementation of such plans.
- Full autonomy has been given to the faculty members tocarry out the research as per terms and conditions givenby funding agencies.
- Faculties are encouraged to undertake consultancy work.
- Total Incentives of Rs.16,74,030/- received by 135facultyfor the AY 2021-22
- The college provides seed money grant to faculty membersfor research.
- Incubation Center of the college endeavors to enable theyoung minds to transform their innovative ideas withmultidisciplinary expertise into viable business plans andactions.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://mrec.ac.in/Research/ResearchPolicy
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

18.365

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

36

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

121.36685

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

3

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://mrec.ac.in/Research/FundDetails
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

8

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.aicte-india.org/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The institution has created an ecosystem for innovation including incubation centre and other initiatives for creation and transfer of knowledge. The faculty members are empowered to take up research activities utilizing the existing facilities. a) Entrepreneurship Development Cell: EDC organizes the work plan of the Entrepreneurship promotion activities. The cell keeps the students informed and encourages them for different Entrepreneurship related activities. The

EDC has collaboration with Indian School of Business (ISB) Hyderabad and our students pursue different certificate and diploma courses from ISB.

b) Women Entrepreneurship Development Cell: We established separate Women Entrepreneurship Development Cell (WEDC) for the women empowerment under Women Development Cell (WDC). Engage in right pursuit of imparting quality and value-based education; MREC has always explored the new avenues for student development in a sustainable way.

c) MREC Incubation-Hub: Incubation-Hub will encourage students with a special and entrepreneurial bent of mind. Students could come up with various innovative and creative ideas and can utilize their talent for starting their new ventures. d) Community Orientation : The MREC became an Indo Universal Collaboration for Engineering Education (IUCEE) consortium member in 2016, and since then has been actively involved in spreading IUCEE's vision and as a member of the IUCEE-EPICS.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://mrec.ac.in/NAACDocument/20230415102037-3.3.1%20final.pdf

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

48

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee

A. All of the above

Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

0

File Description	Documents
URL to the research page on HEI website	https://mrec.ac.in/Research/ResearchOverview
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

1.42

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

0.37

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://mrec.ac.in/NAACDocument/20230418110120-cse_merged.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

831

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

14

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

123.69

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

4.95

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- 1. Extension activities - Neighborhood Community :** The NSS schemes of the Institute initiated various events like organizing and promoting Swatch Bharat Abhiyan, blood donation camps, awareness programs on anti-ragging, rural development camps, educating the villages, etc . The college also contributes much through the NSS wing which has multi-faced activities like environmental issues, working with orphanages, etc by involving the volunteers
- 2. Social Issues :** Activities like save our ponds and lakes, tree plantation drive seeded for the Green Revolution, Preparation and distribution of clay Vinayaka idols during the Ganesh

Chaturthi festival has been followed as a part of environmental awareness and also motivate the neighborhood to take similar steps in this aspect.

3. Impact :The Institute has a Centre of Excellence where the ideas get further elaborated by framing a problem, understanding the end- user requirements, brainstorming and identifying a set of solutions, and finally narrowing down to a solution. Events like Haritha Haram, donating for victims affected by natural calamities, digitization and many are successfully conducted with the cooperative participation of the volunteers in collaboration with other agencies/NGOs.([http s://mrec.ac.in/NAACDocument/20230418152420-3.6.4%20NSS%20Programs%20Report.pdf](http://mrec.ac.in/NAACDocument/20230418152420-3.6.4%20NSS%20Programs%20Report.pdf)) The main motto ofthe health club of MREC is "Health is Wealth".

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20230418152420-3.6.4%20NSS%20Programs%20Report.pdf

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

9

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

47

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2495

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

891

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

40

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Yes, the institution has adequate infrastructure and physical facilities for teaching-learning process. Malla Reddy Engineering

College, Main Campus, established in the year 2002 is one among the top 259 colleges in Telangana State. The college is located on a 10-acre campus with 34151.42 Sq.mts (3,67,602 Sq.ft) built-up area and is permanently affiliated to JNTUH. The college is conducting 12 undergraduate and 7 post graduate programs. MREC has a state-of-the-art infrastructure, creating an environment for progressive learning and development. We have well-equipped classrooms and laboratories as per the AICTE requirements to cater to the academic needs of the students.

Classrooms: There are 90 Classrooms and 6 Seminar Halls which are equipped with ICT facilities.

Laboratories: There are 115 laboratories, 5 R&D centers, 2 Workshops, and 2 Data centers which are well equipped and maintained. Computer laboratories are installed with licensed software as well as open-source software.

Apart from regular labs, we have well-established R&D Labs, Project Lab's industry tie-up MOU laboratories like IBM, HP, Devops, CISCO, Google Cloud, Salesforce, and Red Hat Linux campus connect lab, LabVIEW, GT Lab, STAAD.Pro, CREO, ANSYS, HFSS Communication Design Suite Software, CADENCE, O-PITBLAST, STRAYOS, etc.,

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20230424094352-Paste%20link%20for%20additional%20information%20(1).pdf

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

Yes- Sports activities occupy a significant part of the college curriculum in Malla Reddy Engineering College.

Cultural Activities: To encourage student's innate talents the College Cultural Committee conducts events like essay writing, debates, group discussions, general quiz, dumb C, elocution, mimicry, volte-face, extempore mock show, singing, skit, etc. It allows the students to show their skill, display their leadership qualities, and unleash their latent and hidden talents. We host the Malla Reddy Cricket Tournament inter-collegiate every year Students

with a passion for music and dance are encourage students.

Yoga: YOGA Centre with qualified YOGA Teacher M. Srinivasa Raju conducts sessions for both students and faculty. The sessions are conducted in the yoga hall at the convenient timings

Sports & Games: There is also a dedicated area of 1200 Sq.mts for Indoor sports, including Table Tennis, Badminton, Chess, and Caroms.
Gymnasium:

Gymnasium: MREC also has a large indoor gymnasium facility with areas marked for Yoga, Weight Training, Weight Lifting, Power Lifting, and Cardio exercises.

Auditoriums: We have a very active Chammakura Chadramma Memorial Major Auditorium with 1500 seating capacities and Mini Auditorium with 500 capacities to conduct National and International Conferences, College Days, Fests, and other celebrations.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20230418151423-Paste%20link%20for%20additional%20information.pdf

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

96

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

1701.18

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Response:

The Knowledge Resource Center of Malla Reddy Engineering College is the treasure house of information and is one of the important central facilities of the Institution, established in the year 2002, catering to the educational and information needs of faculty and students in Engineering at both UG & PG level and the Library is holding with 60544 volumes, 7865 titles with e-ATL facility for all students and Staff and having Subscription in all national access like Delnet, Digital Library, IEEE-ASPP, INFLIBNET, J-GATE etc.

Library Automation: The library is fully automated and KOHA is the software used for Circulation, Procurement, OPAC, and Project Reports. All the library documents are bar-coded and books are issued to users by reading the barcode of the document. On average around 1500+ students make use of the Library resources through e-ATL and offline mode, as most of the daytime, the students are attending the classes. A register is maintained to know the number of users who make use of the library every day.

e-ATL: MREC Library provides a remote access facility to current Students, Faculty Members, and Staff Members to access the subscribed e-resources from an off-campus location, through the "Remote Log" software service.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20230419100608-Paste%20link%20for%20additional.pdf

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	A. Any 4 or more of the above
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File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

42.78

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

1730

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Response:

IT Policy: MREC framed and established an Information Technology

Policy in the year 2015 to maintain, secure, and ensure the legal and appropriate use of Information technology.

Now, the College has about 1620 network connections covering more than nine buildings across the campus and expected to reach 2500 connections very soon.

Internet & Wi-Fi Facility:

- Full coverage of Wi-Fi. Extension of Wi-Fi to the canteen.
- 500 Mbps speed internet.
- 70+ Wi-Fi access points with extenders provided to cover the entire campus.
- Internet connectivity to all computers.
- Wi-Fi facility 24 hours on campus Dedicated Internet Labs.

Apart from the computer laboratories setup for syllabus programs the Institute has provided computer centers for general purposes and learning during extra hours.

We have local area wireless technology which allows an electronic device to exchange data or connect to the internet using 12MBPS in our college campus and UG and PG hostel.

Cyber-Security: A new firewall 'Cyber room-300NG' was installed for the security of the campus network with filtering features. In the year 2017, the Cyber room firewall was deployed for handling enhanced load on network and applications, catering to academic and administrative processes, for a secure campus network.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20230418153507-Paste%20link%20for%20additional%20information.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5202	2130

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 750 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
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File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20220510162337-Paste%20link%20for%20additional%20information.pdf
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

1025.41

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

Response:

The institution has a structured system for maintaining and utilizing the facilities available at MREC Campus. The facility management team maintains the physical, academic, and support facilities.

Building Maintenance Committee:

In-charges of this committee will report to the Principal through the Administrator and look after the following works. Civil Engineering Works: Building maintenance, repairs, painting, furniture, etc. . Maintenance of campus hygiene and cleanliness, drainage system, waste disposal, etc. There will be designated staff stationed in each department to look after departmental hygiene issues under the supervision of the HODs.

Equipments Maintenance Committee:

All the laboratories are spacious and well-lit. Do's and Don'ts/safety precautions are displayed in each laboratory. Every equipment in the lab is bar-coded and records of the same are maintained.

Sports Maintenance Committee:

The sports facilities of MREC are maintained by the physical education department. A stock register and an issue register are maintained to ensure the proper handling of the sports items.

Computers/IT Maintenance Committee:

The campus has optical fiber backbone for inter-connectivity between buildings and each building have their LAN.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20230503123034-SOP%20&%20MAINTENANCE.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2759

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

149

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above
--	----------------------------

File Description	Documents
Link to Institutional website	http://mrec.ac.in/NAACDocument/20230415153858-Institute%20Links.pdf
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

5202

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

923

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

154

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

175

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

10

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The institute strives its best for the all-round development of students through Student Chapters of various professional societies like IGBC, ICI, IEI, MEAI, ICE, SESI, ASME, IETE, CSI, APSMS, NCSSS, ISTE, ISNT, SAE, IEEE, IEEE Women in Engineering actively organize

Technical & Cultural Fests, Social activities, and Co-curricular activities. Adequate representation is given for students in all academic/ administrative/cultural committees and students are involved in the decision-making process. In the following committees students are members.

1. Student Association Council(SAC)
2. IQAC
3. Canteen Committee
4. Hostel Committee
5. Women Empowerment Cell
6. SC/ST Cell
7. Cultural Committee
8. Sports Committee
9. NSS Committee
10. Anti-Raging committee
11. Grievance Redressal Committee.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

13

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Malla Reddy Engineering College (MREC) Alumni Association is a registered body with registration number 778 of 2008 under CMR educational Society. All graduated students become members of the alumni association. The members of the alumni association have regular interaction with the management, Principal, faculties and staff members regarding the overall development of the institution. The Alumni association committee is formed every three years and holds two executive committee meetings on an average every year. The college Annual Alumni meet is held in the month of June/July every year. The alumni meet is a formal function which consists of Registration, inauguration, games, formation of alumni association, alumni interaction with students, cultural programs by present batch of students followed by lunch. The institution effectively utilizes the expertise and the service of the alumni and the financial support it receives from the alumni for the overall development of the institution. The institution is gaining immensely from the support of its huge and loyal alumni network. The Alumni chapter also contributes to the development of the Institution through various other support services.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mrec.ac.in/Alumni/Events

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Governing Body (GB) is the highest decision-making body of the

Institute and it constitutes as per the guidelines of the University Grants Commission (UGC). The GB ensures preparation of the Strategic Plan through bottom-up approach involving all the stakeholders and implementation through top down approach. The GB through the principal ensures that all decisions on the matters such as admission, budget, infrastructure, Teaching Learning Process and placements are in line with Institute's Vision, Mission and Quality Policy properly reach the stakeholders implementation of the same. The Vision and mission of the institute is to be a pioneer institute and leader in engineering education to address societal needs through education and practice. Nature of the Governance The Governance and Leadership of Malla Reddy Engineering College ensures the meetings of the Governing Body, Academic Council, Finance Committee, IQAC, and Selection Committees. Perspective Plans The decision-making process and quality planning are articulated keeping the Vision and Mission. The principal and the faculty design activities and the apex management monitor its implementation by providing the necessary support. Participation of Teachers Teachers play a major role in the decision-making, planning, implementation of the academics and Administrative functions through various statutory and non statutory committees.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mrec.ac.in/AboutUs/AboutMRECVisionMission

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The institution has a decentralized and institutionalized transparent mechanism in management, Administration, financial and academic affairs. This mechanism delegates appropriate responsibilities from the top-level management to the down level and liberates the top management to focus on policymaking and major decisions. The Governing Council is the highest decision-making body that formulates/ amends rules and regulations, delegates powers and responsibilities to various committees, principal, Deans, Heads of the Departments (HoDs) and heads of the sections. All the stakeholders of the institution have participative roles in various decision-making committees. External stakeholders like Statutory body Nominees, State government Nominees, University Nominees, Industry experts, Employees, Educationists, Scientists occupy 20% of

all the committee members. Faculty occupies 60% and Students, Alumni occupies 10% of the committee members. The remaining 10% of the committee members include Management. There are 38 active committees in the college which work constantly to uphold all-round development of the students.

The following are the few operational level decentralization of various activities in vogue in the institution:

For the unpredictable expenses to ensure the smooth functioning of the activities, delegation of financial powers as follows.

Principal- 2,00,000/- HOD-60,000/- Committees' coordinators-20,000/-

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	https://mrec.ac.in/AboutUs/InstituteOrganogram

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Malla Reddy Engineering College prepares and deploys the strategic plan effectively to fulfill the

requirements of the industry and society by providing quality education with well-established infrastructure.

The Strategic Plan was drafted for the period 2018 to 2023

Activity successfully implemented based on the strategic plan

To strengthen the Centre of Excellence (CoE) in Engineering and Technology and to setup more Incubation Centers and Startups.

Malla Reddy Engineering College (MREC) submitted proposal towards Business Incubation Centre for MREC to Micro Small, Medium Enterprises (MSME), in September 2021 and submitted all necessary documents as per MSME Champions scheme guidelines.

Sri. Chandra Shekhar, Development Commissioner and Sri K.C. Choudhury, Asst. Director Gr.I, MSME DFO, Hyderabad, visited student's innovative models, facilities and space provided by MREC on 30-12-2022. They were satisfied with the students' innovative models and opportunities to students and staff to become a startup founders and entrepreneurs at MREC.

Office of the Development Commissioner (MSME), Government of India recognized MREC as Host Institute (HI) for implementation of the Incubation component under MSME Innovative Scheme (MSME Champions scheme) with file no.: 17(2) MSME INNOVATIVE/PMAC/2021-22 On March 8th 2022

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mrec.ac.in/About_SRR/MREC%20-%20Institutional%20Strategic%20Plan.pdf
Upload any additional information	View File

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

Malla Reddy Engineering College has a clearly defined organizational hierarchy and structure to support decision making process which is clear and consistent with its purposes and supports effective decision making. Governing Body consists of Academic Council/Director/Principal/Deans/HoDs and Senior Faculty Members. The body meets once in a semester in general and it may meet any time in response to exigencies. Decisions like the introduction to a new course, closure of the existing courses, construction of new blocks, enhancement of physical facilities and other initiatives for improvement of the MREC are taken in the form of society resolutions in the Governing Body meet. The administrative setup of the institution is visible as per the Organogram chart of the organization. Internal Quality Assurance Cell (IQAC) monitors functioning of the statutory and non-statutory committees. Deans, IQAC, Administrative officer, Controller of Examinations and other section heads like Training & Placement, Industry Institute Interaction cell, Entrepreneur Development Cell, etc. shall report to Head of the Institution. Staff report to the respective Section heads. Service rules have been formulated as per the guidelines of authorities like affiliating university JNTUH and approval

body(AICTE/ UGC) .

File Description	Documents
Paste link to Organogram on the institution webpage	https://mrec.ac.in/AboutUs/InstituteOrganogram
Upload any additional information	View File
Paste link for additional Information	https://mrec.ac.in/Policies/Policy.pdf

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institute trusts the contribution of its employees towards its overall development and progress of the institution. The institute formulates and effectively implements welfare measures for teaching and non-teaching staff. Employees are covered under EPF, Insurance and Gratuity. Study, maternity and medical leaves are sanctioned to the required staff. Financial assistance is offered for pursuing higher studies. Personal loans are provided to both teaching and non teaching faculty. Page 56/73 09-01-2023 12:55:23 Annual Quality Assurance Report of MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS) Leaves are provided as per norms. 100% Registration fees, TA, DA for faculty attending Conferences and workshops. Incentives for publications of Papers, Patents, Book, Book chapters and NPTEL Greeting card along with 400 rupees staff on their birthday occasion. Celebrating festivals through Faculty club. All the staff

is provided with two early or late permission facilities. Free transport and medical facilities are provided to all the staff. WI-FI enabled campus is provided to all. Full-time medical facilities, Sports, Gym and yoga, Day care facilities are provided to staff. ICICI bank and ATM facilities are made available in the campus for all the staff. Delicious food is provided to all staff with subsidized rates.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/Policies/welfare-measures/Staff%20Welfare%20Measures%20Policy%20Document.pdf

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

257

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

39

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institute conducts regular financial audits by a certified & recognized CA, through the CMR Educational Society. Internal audits are also performed by the Management/ Principal /IQAC. The institute ensures that financial audits are done on all the aspects of the financial functioning of the institute in a systematic procedure, following the financial policies. Final audit reports are approved and ratified by the institution's Governing Body. The Finance committee headed by the Principal conducts a periodic internal finance audit for the verification and validation of payments, receipts, cash books, and ledgers for compliance. The institute engages a reputed firm/agency for conducting an external audit, usually once in a financial year. The audits are duly approved by authorized officials. This way the audits ensure that all the functions are carried out in the strict interest of the institute and are directed towards the prosperity of the institute.

Finance Committee meets 2 to 4 times a year and reviews the income-expenditure statements and suggests a further action plan. Management through Governing Council looks into income and expenditure patterns and pragmatic recommendations are given. An effective financial management system is in place and helps the institution's in overall development

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/AboutUs/AboutMRECAuditStatements

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

6.42

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Strategies for mobilization of funds The institute prepares a strategy to pool the financial resources to meet the institutional operationsthrough affiliated university fees, transport fees, admission fees, NBA, exam fees, and hostel fees, Telangana Admission and Fee Regulatory Committee (TAFRC). The tuition fee fixed for the college depends on the institution'sstrength. MREC provides continuous efforts to enrich the campus facilities The institute put forth requests to the apex bodies like AICTE,UGC, DST, and other government bodies with the project proposals. After the scrutiny of the expert evaluation, the respective project proposals are sanctioned with financial grants. The institute offers consultancy and training services to external agencies.It pools the financial support from non government agencies, sponsorships, industry, and philanthropists. Optimal utilization of financial resources: Well-established procedures are in placeto achievethe short-term and long-term goals of the institution in line with the strategic plan. Planning for the utilization of funds starts from the section in charges presenting annual requirement proposals in view of the development and upgradinglaboratories, computing facilities, library, teaching-learning-process, training, R&D, etc. The Finance Committee continuously monitors the utilization of the financial resources. In any unforeseen circumstances, a non budgeted amount is considered at approvals from the authorities.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mrec.ac.in/BOGDownloads/20221201-Financial%20Year%202021-22.pdf

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

- Accredited by NAAC with A++ Grade in 2022
- NIRF Ranked in 201-250 band for 2021-22.
- Institution's Innovation Council received 4 - star rating for IIC Calendar 4.0 year for 2021-22
- ATAL Ranking of Institutions On Innovation Achievements (ARIIA) 2020-21 achieved under band performer
- Micro, Small, Medium Enterprises (MSME) registration for business incubation Center at MREC
- NBA accreditation for the five departments (CE, EEE, ME, ECE & CSE) with more than 700 marks in each department.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20230410153800-IQAC%20MOM.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Academic Calendar:

The Institute prepares and dispenses the academic calendar right at the start of the year, allowing space for seminars/ guest lectures/ workshops/ FDPs/ certification programs, and remedial teaching.

Preparation of Lesson Plans:

The lesson plan is prepared and are detailed and encompasses a wide

variety of activities

Display of Timetables:

Timetables are prepared in accordance with the academic calendar and are displayed on the notice boards and digital copies are sent to students and concerned teachers.

Evaluation of Teaching:

The regular evaluation of the teachers by the students, feedback on teaching methodologies, course delivery, strengths and weaknesses, and difficulties faced in the subject are done

Internal Examination and External Examination:

The institute conducts all the exams efficiently through its examination branch. Result analysis: Institute has the provision of analysis of student's performance after the announcement of their semester results.

- Learning Outcomes:
- Class tests during ACT Hours
- Mid-term and continuous evaluation comprising of internal tests, assignments, group discussions, and seminar presentations
- Identification of issues and timely redressal of grievances through CMCs
- Result Analysis

Flow Chart: Teaching-learning Process

The teaching-learning process outcome of MREC is reflected in the placements, higher education of the students

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/Placements/PlacementsStats

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the

A. Any 4 or all of the above

IQAC Feedback collected, analysed and used for improvement of the institution
Collaborative quality initiatives with other institution(s)
Participation in NIRF
Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	https://mrec.ac.in/IQAC/IQACAOAR
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institute has adopted the following different measures to promote gender equity.

Practices to promote Gender equity:

Various occasions like International Women's Day, Bathukamma festival, Kaartheeka vana samaaraadhana etc are celebrated with an objective to empower women with autonomy. Successful women who can inspire the women faculty and the girl students are invited as Guests of honour for International Women's Day celebrations. Bathukamma festival is a traditional floral festival celebrated in the state of Telangana. Management members, staff and girl students together celebrate this festival.

Special facilities provided for women:

Security personnel are deployed at appropriate locations to doubly ensure the safety. The CC Cameras that encompass every corner of the

institute supplement and complement the physical

security. Counselling is an integral part of the routine practices in the institute. Common room facility available in each of all the departments. Day care facility takes care of the toddlers.

Women Protection Cell:

A Women's Protection cell constituted by women faculty members handles the safety and security issues of both girl students and women. The members of the cell regularly interact with both the target groups. Grievance redressal cell also involves in few issues of concern.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://mrec.ac.in/NAACDocument/20230318145552-21-22_7.1.1.1.pdf

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

- Dust bins are provided all across the campus to collect the garbage which is segregated to dry and wet waste, treated properly and dumped at the designated location to get the compost prepared. This compost is fed to the plants in the campus. An MoU with Urban Rebox IT helps in effective solid waste management.

- The campus's liquid waste is discharged into an underground drainage system that is connected to a Sewage Treatment Plant (STP). Sewage water from various buildings is collected and filtered properly to remove any kind of solid waste. Then this water is treated in different stages in the STP to remove odour. Finally, this water is treated with the permitted disinfectants and used for gardening.
- Urban Rebox IT collects and disposes E-Waste in a safe and environmentally friendly manner periodically as a part of the MoU.
- The biomedical waste such as sanitary napkins are collected by the personnel from Malla Reddy Multispecialty Hospital every month for safe disposal.
- The departments in the institute does not use hazardous chemicals and radioactive materials. The Chemicals which are used in the first-year laboratories are of non-hazardous type.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles

A. Any 4 or All of the above

- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

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File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

<p>7.1.6.1 - The institution’s initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ul style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile</p>	<p>A. Any 4 or all of the above</p>
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path lights, display boards and signposts
Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc.
Provision for enquiry and information:
Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

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

MREC has implemented various measures for providing an inclusive environment. The institute provided equal opportunity to all individuals and respected individual opinions on all the fora.

- **The reservation policy is followed strictly as per the government norms so as to provide equal opportunity for the students of every section of society.**
- **Mentor-Mentee system ensured proper guidance and counselling to all the students irrespective of their background.**
- **Various festivals like Sankranthi, Bathukamma, Krishnashtami, Christmas etc are celebrated so that the staff and students get to know the intricacies of various cultures and their social importance.**
- **Also, few youth exchange programmes are organized in the campus by the NSS in association with JNTUH.**
- **Activities related to environmental conservation, judicious usage of water, increasing influence of science and technology, and gender equity are conducted by the NSS to promote the values among the students.**

- The mandatory induction programme implemented at MREC helped the students adopt good lifestyle habits and bring harmony in their life.
- SAC, through its variety of clubs, helped to promote tolerance and harmony among the students.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

MREC conducted various programmes to sensitize the staff and students about the constitutional obligations like values, rights, duties, and responsibilities of the citizens.

- Programmes like Republic Day, Independence Day, RashtriyaEktha Diwas, Constitution Day, National Voters' day, etc are conducted regularly in the institute with an objective to educate the staff and students about the fundamental rights and duties as granted in the constitution of India. These occasions are used to help the students in particular to imbibe democratic values.
- The NSS coordinators organized pledge campaigns in the college to bring awareness about the vote and its importance, unity, and diversity, etc., particularly to the students.
- Responsibility towards the society in terms of educating the ignorant rural background people, striving for environment sustainability, etc are inculcated among the students through various social service programmes implemented by the NSS.
- Special care was taken to ensure that the students are enrolled in the electoral list as and when they attain the eligible age of 18 years.
- The institute believed in the concept of 'Good citizens are made, not born'. Accordingly, the above measures are

contemplated and implemented so as to carve a professional engineer as a responsible citizen of the country.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

The college celebrates various national and international commemorative days and festivals as well with the objective to bring awareness among the student community about the importance of those days and festivals. Also, students gain experience of organizing an event, working in a team, time management etc. The following are the events organized in the college:

- National Youth Day - Swami Vivekananda Birthday
- Sankranthi Samburalu - Local harvest festival
- Parakram Diwas
- Republic Day
- National Science Day
- International Women's Day
- World Water Day
- National Technology Day
- World Environment Day
- International Day of Yoga
- Independence Day
- Teachers' day
- Engineers' day
- World Students Day
- Bathukamma celebrations - Local floral festival
- Christmas

In addition, two more events are conducted in the college -Akshara and Vishesh. Akshara is a two-day national level student techno cultural fest that is aimed to bring out the talent among the students. Sir Mokshagundam Visvesvaraya birth anniversary Sep 15, is celebrated as Engineers' Day. On this occasion the student project expo 'Vishesh' is conducted in the college premises where students exhibit the working models and prototypes developed by them.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

In its journey of about two decades, the institute has encountered numerous challenges. The institute has put the efforts in right direction to convert these challenges into opportunities. Thus a variety of 'Best practices' have evolved from this kind of perception. The following are few of the many such 'Best practices'

implemented successfully by the institute. . 1. Centre of Excellence - Venue for skill development

2. Ecosystem for promoting sportsmanship 3. Assisted Collaborative Teaching (ACT) hour 4. Course Monitoring Committee (CMC) meeting 5. Curriculum Development 6. Deans and Department Heads Meeting (DDH) 7. Effective leadership - Team building 8. Engineers and Society 9. Online Exam Registration

10. IIIC - Industry intervention in the growth of the institute

11 Knowledge Resource Centre - the abode of knowledge 12Research Review Meetings (RRM) 13 Students' Associations Council (SAC) - nurturing the latent talent among the students 14Staff get together 15Value added courses 16Wall magazine 17Proctored online mid exams

18Digital evaluation

File Description	Documents
Best practices in the Institutional website	http://mrec.ac.in/NAACDocument/20230418151104-21-22_7.2.1.1_%20Best%20practices%20in%20the%20institutional%20website.pdf
Any other relevant information	http://mrec.ac.in/NAACDocument/20230414234732-21-22_7.2.1.2_Relevant%20information.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

MREC adopts various unique measures to help and support the students and faculty members. A few of them are discussed below.

Student related activities:

- The institute provides ways and means to the students to explore and expose their innate talent in co-curricular and extra-curricular events.
- Students' Associations Council (SAC) is an agglomeration of various Student clubs like Singing club, Dance club, Fine arts club, Technical club, Literary club, Sports club, Social service club etc. These different clubs plan and conduct various activities in the afternoon session on every working

Saturday.

- Apart from these SAC activities, special care is taken by the institute to offer Skill development training programmes to the students so as to ensure that the students get suitable placement opportunity.

Faculty related activities:

- Our institute adopts a novel way of energizing the staffmembers. All the staff members irrespective of their designation / role are invited along with their familymembers for a 'Get together' in an amicable and accessible location once in a semester.
- Faculty members are encouraged to take up quality research by providing suitable incentives based on their contribution in the form of research papers, patents, books and book chapters etc.

File Description	Documents
Appropriate link in the institutional website	https://mrec.ac.in/NAACDocument/20230418135925-21-22_7.3.1.1_Write%20up_website%20version.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. To improve NIRF ranking from 251-300 band to 201 - 250.
2. To achieve five-star rating in IIC by conducting numerous useful training programmes for students on innovation, entrepreneurship etc.
3. To strengthen the centre of excellence further by collaborating with industries
4. To expand the lab infrastructure for more utilisation by students and staff for research activities and skill development.
5. To establish NCC Army wing and Air wing for students to enhance social responsibility and ethical values
6. To renew NBA accreditation for the eligible PG programmes for research activities and enhance social responsibility
7. To strengthen SAC activities further and encourage Students to participate in National and International events.
8. To establish Business Incubation Centre with the support and approval of MSME, Govt of India.