



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

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)	934816112
• 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. The IQAC has maintained consistent communication with various stakeholders of the college to ensure the efficient functioning of administrative and academic activities throughout the year. It has also facilitated the timely disbursement of scholarships and stipends, ensuring students receive their benefits without delays. 2. Online feedback has been taken not only from the students but also from various other stakeholders, viz. alumni, faculty members and employers. 3. IQAC has conducted various quality improvement programmes under AICTE Margdarshan Scheme for the MBIs mapped under Malla Reddy Engineering College. 4. IQAC has made significant contributions to enhancing institutional efficiency and transparency. Notable initiatives include the implementation of an online payment system for examination fees and registration, ensuring a hassle-free and paperless process for students. A barcode system (OMR) has been introduced for answer scripts, enabling seamless tracking and improved security. Digital valuation has been adopted to expedite the evaluation process and maintain accuracy. Additionally, parents are promptly informed of examination results via SMS, fostering better communication and engagement. Students can also conveniently view their results online, reflecting the institution's commitment to leveraging technology for academic excellence. 5. The college consistently strives to enhance its student mentoring system, conduct comprehensive Student Satisfaction Surveys, and make systematic, focused efforts to foster entrepreneurship. It actively promotes environmental awareness through Green Campus initiatives and encourages students to participate in co-curricular and extracurricular activities that</p>		

nurture leadership skills and instill universal values. 6. The IQAC has played a pivotal role in preparing the application and Detailed Project Report (DPR) for the institution's upgrade to Deemed-to-be University status, ensuring that all necessary academic, administrative, and infrastructural criteria are meticulously addressed.

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 conduct Regular IQAC Meetings	Conducted 4 meetings in 2023-24 to plan & implement various academic & administrative activities
To Prepare academic calendar and activity plan for year 2023-24	Academic calendar and activity plan was prepared and presented in advisory committee and all the departments conducted their programmes and other activities as per the Academic Calendar
To collect feedback from various stakeholders	IQAC has been periodically involved in obtaining & analyzing the feedback from various stakeholders like students, guardians, employers and alumni members. IQAC ensures the implementation of the feedback are done with immediate effect.
To Organize workshops and seminars on quality - related themes and promotion of quality circles and institution-wide dissemination of the proceedings of such activities.	<ul style="list-style-type: none"> • Faculty, staff, and students gain deeper insights into quality standards and practices, leading to improved academic and administrative processes across the institution. • The creation of quality circles and dissemination of workshop/seminar proceedings promotes teamwork and innovation, enabling departments to implement creative solutions to challenges while improving overall institutional

	performance.
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 apply for NIRF Innovation-2023	Achieved 201 -300 Band
To motivate the students to join MOOCs in SWAYAM portal.	NPTEL Achievements. • 1185 students got NPTEL Certification • 255 faculty got NPTEL Certification • 17 NPTEL Awards • 39 Subject Toppers • NPTEL Local Chapter rating = A Grade
To achieve OBE Ranking (R World Institutional Ranking)	Achieved the Diamond Band (A+) grade
Mentoring and motivation of the students:	Students were allotted to each Staff member as part of Mentoring and the Academic performance of the Students was monitored by the Mentors.
To create awareness about Gender Equity and Equality	Awareness programmes were organized by the Women Protection cell
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	20/08/2024
14.Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	

Year	Date of Submission
2023	19/03/2024

15. Multidisciplinary / interdisciplinary

Multidisciplinary education is a transformative approach that integrates diverse disciplines, empowering students with a broad spectrum of knowledge and skills. Aligned with the National Education Policy (NEP) 2020, which envisions large multidisciplinary higher education institutions in every district by 2030, MREC has laid a robust foundation to transform into a holistic multidisciplinary institution. The institution's vision includes fostering a culture of integrated learning, creating interdisciplinary programs, and promoting research that addresses real-world challenges. MREC has taken significant steps to integrate humanities, science, and technology with STEM disciplines. The institution offers credit-based interdisciplinary electives and projects, enabling students to explore areas like environmental ethics, sustainable development, and entrepreneurship. Flexible curricula incorporate community engagement projects, environmental education, and value-based learning to ensure holistic development. For instance, students participate in environmental awareness campaigns and social service projects under institutional initiatives. In alignment with the NEP 2020 framework, MREC is planning a multidisciplinary curriculum with flexible entry and exit options for undergraduate education. The institution aims to provide students the opportunity to earn certificates, diplomas, or degrees based on their completion of the 1st, 2nd, or 3rd year, ensuring rigorous academic standards are maintained. This flexibility is supported by skill-building courses, internships, and project-based learning once it is upgraded to Deemed to University status. The Business Incubation Center at MREC embodies a multidisciplinary approach by supporting innovative ideas that blend expertise from diverse fields, transforming them into viable business models. During the academic year 2023-24, key initiatives such as the Project Expo - VISESH and participation in the Smart India Hackathon provided platforms for students to apply interdisciplinary knowledge to solve pressing societal problems. Additionally, the institution secured more research grants, supporting multidisciplinary research projects in areas such as renewable energy, healthcare technologies, and sustainable urban planning. MREC also organizes lectures and workshops on interdisciplinary topics throughout the year, featuring both faculty and invited experts. These sessions emphasize the importance of combining disciplines to address global challenges, such as gender equity, environmental conservation, and leadership

for sustainable development. Students gain valuable insights into how diverse perspectives can lead to innovative solutions. To further foster multidisciplinary research, MREC has initiated collaborations with industry and academia to work on projects addressing societal challenges like clean energy, water management, and digital transformation. These efforts reflect the institution's commitment to making meaningful contributions to society. In keeping with NEP 2020, MREC's good practices include offering interdisciplinary electives, encouraging faculty to pursue cross-disciplinary research, and promoting student engagement in co-curricular activities that develop leadership skills and universal values. Through these initiatives, the institution continues to evolve as a hub for multidisciplinary learning and innovation.

16.Academic bank of credits (ABC):

MREC is fully committed to implementing the Academic Bank of Credits (ABC) system, as envisioned in NEP 2020, to offer students a flexible and multidisciplinary educational experience. The institution has taken significant steps to fulfill ABC requirements, beginning with its successful registration under the National Academic Depository (NAD) and its preparedness to integrate with the ABC system. To ensure seamless adoption, MREC has initiated awareness programs for students and faculty, established an ABC cell, and upgraded its digital infrastructure to enable smooth credit storage, transfer, and retrieval. Under the ABC system, students benefit from increased academic mobility, allowing them to pursue courses across different higher education institutions in India while maintaining a centralized record of their achievements. This aligns with MREC's vision of empowering students to take charge of their education through flexible multiple entry and exit options. For instance, students can earn certificates, diplomas, or degrees depending on the credits accumulated at the end of the 1st, 2nd, or 3rd year, ensuring both flexibility and academic rigor. MREC also fosters collaboration and internationalization of education through its MoU with Aksum University and plans to launch joint degree programs with other global institutions. These initiatives will not only provide international exposure but also facilitate credit transfer mechanisms, enabling students to benefit from a truly global education. Additionally, elective courses across B.Tech., M.Tech., and MBA programs allow students to personalize their learning pathways and develop skills in emerging interdisciplinary fields. The institution encourages faculty to innovate within the approved academic framework. Faculty are given the flexibility to design course syllabi, select textbooks, recommend reading materials, and adopt diverse pedagogical approaches. Workshops and

training sessions are conducted to familiarize faculty with NEP 2020 principles and ABC implementation, ensuring they are well-equipped to deliver a multidisciplinary, student-centric education. As a good practice, MREC has established an Academic Bank of Credits (ABC) cell which will function along with Exam Cell of MREC to coordinate all activities related to ABC implementation. The cell conducts regular orientation sessions for students, guiding them on the benefits of ABC and its role in their academic journey. Moreover, MREC actively promotes research and project-based learning to prepare students for real-world challenges and foster a holistic approach to education. Ultimately, MREC's efforts in implementing the ABC system are a testament to its dedication to student empowerment and academic excellence. By integrating technology, international collaboration, and multidisciplinary education, the institution ensures that students graduate as well-rounded professionals ready to excel in an ever-changing global landscape.

17.Skill development:

MREC recognizes the pivotal role of skill development in bridging the gap between academia and industry, thereby fostering employability and preparing students for successful careers. In alignment with the National Skills Qualifications Framework (NSQF) and the Government of India's Skill India Mission (SIM), MREC has undertaken multiple initiatives to empower students with technical, vocational, and life skills. 1. Vocational Education and Industry Alignment Through the Centre of Excellence (CoE), MREC provides skill development training programs in areas such as advanced computing, robotics, data analytics, and renewable energy. These programs are designed to meet emerging industry needs and enhance placement opportunities. Furthermore, MREC's Industry-Institute Interaction Cell (IIIC) fosters partnerships with leading industries, ensuring that curricula are aligned with industry demands. Students benefit from internships, industrial visits, and live projects, which bridge the gap between theoretical knowledge and practical applications. To integrate vocational education into mainstream education, MREC offers elective vocational courses across engineering, management, and science disciplines. These courses are credit-based, ensuring students graduate with both academic and practical competencies. Additionally, MREC engages industry veterans and master craftspeople to provide hands-on training and mentorship, addressing gaps in faculty expertise. 2. Development of Soft and Life Skills Recognizing the significance of holistic development, MREC emphasizes the cultivation of soft skills such as communication, leadership, teamwork, and problem-solving. Regular workshops, personality development sessions, and mock interviews are

conducted to enhance students' interpersonal and professional skills. The institution also provides training in critical thinking, digital literacy, and entrepreneurship to prepare students for the challenges of a dynamic job market. 3. Value-Based Education MREC is committed to instilling humanistic, ethical, and constitutional values in students, fostering responsible citizenship and societal contribution. Courses and activities are designed to promote universal values such as truth (satya), righteous conduct (dharma), peace (shanti), love (prem), and nonviolence (ahimsa). Environmental consciousness and sustainability are also key focus areas, with activities like tree plantation drives, energy conservation workshops, and awareness campaigns on climate change. These initiatives align with the institution's vision of nurturing socially conscious and morally upright graduates. 4. NEP 2020 Compliance and Good Practices MREC has adopted a credit structure that mandates students to undertake at least one vocational course before graduation. Skilling programs are offered through blended learning models, combining online and on-campus modules to ensure flexibility and accessibility. Collaborations with the National Skill Development Corporation (NSDC) provide a unified platform for skill mapping, learner enrollment, and certification, making MREC a key player in the national skilling ecosystem. In view of NEP 2020, MREC has initiated innovative practices to promote skill development, such as hackathons, project expos, and startup incubation support through its Business Incubation Center. These activities encourage students to apply multidisciplinary knowledge to solve real-world problems, fostering creativity and innovation.

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

MREC is committed to preserving and promoting India's rich cultural heritage, traditional knowledge systems, and linguistic diversity, aligning with the objectives of the National Education Policy (NEP) 2020. The institution integrates the Indian Knowledge System (IKS) into both its academic curriculum and co-curricular activities, ensuring students develop a deep appreciation for Indian traditions, arts, and ethical frameworks. 1. Integration of the Indian Knowledge System (IKS) in the Curriculum MREC offers courses that provide students with a foundation in Indian history, philosophy, and cultural heritage. Courses such as Indian Constitution and Ethics include components on ancient Indian philosophy and values, fostering critical thinking and ethical decision-making. Additionally, online NPTEL courses on IKS topics, such as "Introduction to Indian Philosophy" and "Indian Epistemology," are promoted among students and faculty to deepen their understanding of

India's intellectual and cultural contributions. Efforts are made to integrate Indian cultural studies and traditional knowledge into mainstream education. Examples include workshops on Ayurveda, yoga, and sustainable agricultural practices based on indigenous knowledge systems. MREC also encourages project-based learning on topics such as renewable energy solutions inspired by traditional Indian practices.

2. Training and Bilingual Classroom Delivery MREC plans to train its faculty to deliver content in bilingual modes (English and vernacular languages) to cater to students from diverse linguistic backgrounds. Faculty development programs focus on enhancing bilingual teaching skills, enabling the use of regional languages alongside English for effective communication. This approach aligns with NEP 2020's emphasis on providing inclusive and accessible education.

3. Promotion of Indian Languages and Arts The institution actively works to preserve and promote Indian languages, particularly regional and classical languages such as Sanskrit, Telugu, and Tamil. Initiatives include: Organizing workshops and certificate courses on basic Sanskrit and regional language proficiency. Encouraging participation in inter-collegiate cultural events showcasing Indian classical music, dance, and arts. Supporting student projects and research on tribal and endangered languages, as well as ancient Indian texts.

4. Preservation of Indian Culture and Traditions MREC celebrates Indian festivals like Pongal, Dussehra, Bathukamma, Independence Day, and Republic Day, fostering cultural awareness and community spirit among students and faculty. These events include performances of traditional dance forms, music, and storytelling that highlight India's diverse heritage. Additionally, ethical values rooted in Indian philosophy, such as non-violence, dharma, and seva (selfless service), are woven into extracurricular activities, promoting holistic development.

5. Good Practices and Future Plans MREC is committed to expanding its efforts to integrate IKS into education. Future initiatives include: Introducing degree programs in Indian languages and culture. Collaborating with institutions specializing in Indian heritage and traditional knowledge for joint research and faculty exchange programs. Hosting national and international conferences on the relevance of Indian Knowledge Systems in solving modern societal challenges. Through these efforts, MREC not only celebrates India's cultural diversity but also ensures that students graduate with a strong sense of identity and ethical responsibility. By combining traditional knowledge with modern education, the institution fosters well-rounded individuals capable of contributing to India's socio-economic and cultural progress.

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

MREC has embraced Outcome-Based Education (OBE) as a transformative approach to ensure its curriculum is aligned with the desired learning outcomes of students. This shift focuses on equipping students with the knowledge, skills, and attitudes required to meet global challenges and excel in their careers.

1. Institutional Initiatives for Transforming Curriculum Towards OBE MREC ensures that all programs are designed in line with the Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs). These outcomes are clearly defined, measurable, and mapped to align with industry and societal needs. The institution follows a structured process:

Curriculum Design: The curriculum is periodically revised by the Board of Studies (BoS) with inputs from industry experts, alumni, and academic professionals to meet evolving requirements.

Outcome Mapping: Each course is mapped to specific POs and PSOs, ensuring that students achieve the intended outcomes.

Assessment and Evaluation: A well-defined rubric is used to assess COs through direct methods like exams, assignments, and projects, and indirect methods like student feedback and surveys.

2. Capturing OBE in Teaching and Learning Practices MREC adopts innovative teaching practices to facilitate outcome-driven learning:

Active Learning Strategies: Faculty incorporate techniques such as problem-solving sessions, case studies, and group discussions to enhance critical thinking and collaboration.

Technology-Enhanced Learning: Smart classrooms and Learning Management Systems (LMS) like Moodle are used to provide interactive and self-paced learning opportunities.

Project-Based Learning (PBL): Students work on interdisciplinary projects that address real-world problems, ensuring the practical application of knowledge.

Skill-Oriented Learning: Add-on courses, workshops, and training programs are conducted to bridge the gap between academic learning and industry requirements.

3. Good Practices in OBE Implementation MREC has established several good practices to promote OBE:

Continuous Improvement: OBE outcomes are evaluated through detailed performance analysis, and gaps are addressed through curriculum redesign or faculty development programs.

Industry-Linked Projects: Collaboration with industries through the Industry-Institute Interaction Cell (IIIC) ensures students gain exposure to practical challenges, aligning with the NEP 2020 vision of outcome-based learning.

OBE Training for Faculty: Regular workshops and seminars are organized to train faculty in designing effective COs and assessment strategies.

Graduate Attributes: MREC emphasizes the development of graduate attributes such as leadership, ethical responsibility, environmental awareness, and lifelong learning, ensuring that students are well-rounded professionals.

4. Alignment with NEP 2020 In line with NEP 2020, MREC's OBE approach integrates

multidisciplinary and skill-based learning to foster holistic student development. Flexible credit-based programs and internship opportunities allow students to align their learning paths with personal interests and career goals. Through its rigorous implementation of OBE, MREC ensures that its graduates are not only academically competent but also equipped with the skills and values necessary to excel in a dynamic global environment. By continuously assessing and refining its educational practices, the institution remains committed to creating future-ready professionals.

20.Distance education/online education:

1. Possibilities of Offering Vocational Courses Through ODL Mode
MREC recognizes the growing demand for flexible and accessible learning solutions, especially in the wake of changing educational trends post-COVID-19. The institution envisions offering vocational courses through Open and Distance Learning (ODL) mode in the future. These courses aim to provide students with industry-relevant skills while offering the flexibility to learn at their own pace and convenience. MREC plans to leverage its technological infrastructure to deliver high-quality learning content and assessments through digital platforms, ensuring inclusivity and accessibility for learners from diverse backgrounds.

2. Development and Use of Technological Tools for Teaching-Learning Activities
MREC has made significant advancements in integrating technology into teaching and learning practices. The institution employs a robust Virtual Learning Environment (VLE) using tools such as Moodle, Blackboard, and Collaborate to support online and blended learning. These platforms enable:

- Content Delivery: Sharing multimedia-rich lectures, reading materials, and other resources.
- Interactive Learning: Conducting discussions, quizzes, and assignments to engage students actively.
- Online Assessments: Hosting tests, exams, and evaluations in a secure online environment.

In addition, MREC utilizes an eATL facility, providing students with remote access to technical magazines, journals, e-books, and other resources from anywhere at any time. This facility empowers students to stay updated with the latest advancements in their fields of study.

3. Institutional Efforts Towards Blended Learning
Blended learning is a key focus area for MREC, ensuring a seamless combination of traditional classroom instruction and modern digital tools:

- Lecture Capturing System (LCS): Academic lectures delivered by senior faculty members are recorded and made available for students to revisit complex concepts. These recorded lectures are also uploaded to the MREC YouTube channel, ensuring accessibility for all learners.
- Collaborative Tools: Platforms such as Zoom, Microsoft Teams, and Google Meet are used to host interactive online sessions,

webinars, and workshops. Hands-On Training: Blended learning models integrate virtual lab simulations with on-campus practical sessions to ensure students gain both theoretical knowledge and practical experience. 4. Good Practices in Distance/Online Education in View of NEP 2020 MREC's approach to distance and online education aligns with the New Education Policy 2020, focusing on: Flexibility: Offering modular, credit-based programs that enable students to learn as per their pace and schedule. Inclusivity: Using digital platforms to reach a wider audience, including students in remote or underserved regions. Skill Enhancement: Planning to introduce vocational and skill-oriented courses in ODL mode to bridge the gap between academia and industry. Continuous Improvement: Regular feedback from students and faculty helps refine online and distance learning methodologies to enhance the learning experience. MREC is committed to leveraging technology to revolutionize education delivery and expand its reach through online and distance learning. By embracing cutting-edge tools and blended learning practices, MREC ensures that students receive a high-quality, flexible, and accessible education that prepares them for the dynamic global workforce.

Extended Profile

1.Programme

1.1 18

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 6279

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1120

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

6279

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

758

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

404

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 18

Number of programmes offered during the year:

File Description

Documents

Institutional Data in Prescribed Format

[View File](#)

2. Student

2.1 6279

Total number of students during the year:

File Description

Documents

Institutional data in Prescribed format

[View File](#)

2.2 1120

Number of outgoing / final year students during the year:

File Description

Documents

Institutional Data in Prescribed Format

[View File](#)

2.3 6279

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

3.1 758

Number of courses in all programmes during the year:

File Description

Documents

Institutional Data in Prescribed Format

[View File](#)

3.2	404
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	404
Number of sanctioned posts for the year:	
4.Institution	
4.1	741
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	2946
Total number of computers on campus for academic purposes	
4.4	3495.67
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/20250121151645-Details%20od%20Syllabus.pdf

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

18

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

758

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

163

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

18

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 togender,

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 Antiragging 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 Committee.

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

84

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**6279**

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**5752**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

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/Index
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	No File Uploaded

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

2239

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)

741

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. After the admission of students, MREC organizes an orientation program for all the students by bringing the experts in the area of personality development to motivate them. The Institution has a career guidance cell and also has a 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.

Process for Encouraging 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.

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
01/04/2024	6279	404

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:

The 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 regularly interact with industry, academic and various government organizations.

Following are the teaching methodologies followed by teachers in MREC

Student-centred learning, also known as learner-centred education, broadly encompasses methods of teaching that shift the focus of instruction from the teacher to the student. Teaching and Learning of MREC put 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 lifelong 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 process. 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.

Learning Management System (LMS):

- MREC has its own Learning Management Systems www.mrecacademics.com.
- The Study materials were made available on the website. (<https://mrec.ac.in/Examinations/ExaminationsStudyMaterials>)
- 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.
- The seminar halls are equipped with multimedia facilities using ICT tools. Invited talks and webinars are conducted in

the seminar hall using ICT facilities.

- Information & Communications Technology (ICT) enabled teaching methodologies and advanced technology are being followed by the faculty members in classrooms.
- Use of multimedia teaching aids like LCD projectors, and classrooms with internet-enabled computer/laptops/tablet systems are usually in use in the classroom.

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

358

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 on the institution's 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...

Adherence to the academic calendar is ensured by periodic reviews at different levels like Course Monitoring Committee (CMC) meetings, Departmental meetings, and 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

404

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	No File Uploaded

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

94

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	View File

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

4.31

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

230

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	View File

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 and
- Library

While addressing the students, the HODs create awareness of 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 sites 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, 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.

Direct Assessment Tools

Assessment through attainment of COs The average attainment of all students for every course is calculated and mapped with respective

POs (based on CO and PO mapping) according to the weightage of against each POs. The attainments of the POs are scaled to 80%.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://mrec.ac.in/NAACDocument/20250120145224-OBE_merged.pdf

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

1268

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	No File Uploaded
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/IQAC/IQACSSS>

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. Another big task handled by 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 the areas of Computation, Energy, Environment, Image Processing, Materials, Manufacturing, Nanotechnology, Telecommunication, and Sensor Networks and Simulation studies. MREC conceived its own policy to promote research at all levels - students, junior level and senior level faculty members. The intention of the Research Promotion Policy is to build a lively ambiance of research amid faculty members and instill research ability among the students. This Research Policy forms the basics of the research ethics of the college and is implemented in all the departments and it serves as the guidelines for the functioning of the Research council of the college.

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	No File Uploaded

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)

4961281

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**134**

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)****46,75,282**

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	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides**6**

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
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

2

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://dst.gov.in/
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 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	Nil

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

52

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

A. All of the above

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	No File Uploaded

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

9

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

0.88

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

61

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

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

3177

File Description	Documents
Any additional information	View File
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

16

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)

27126426

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	View File

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

601000

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	No File Uploaded

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

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

GaneshChaturthifestival 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 Center 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.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://mrec.ac.in/NAACDocument/20250119135915-NSS%20-2023-24%20pdf..%20(1).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

6

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)

24

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

2570

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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**

5335

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)

21

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 a well-developed infrastructure and physical facilities to support the teaching-learning process.

Malla Reddy Engineering College (MREC), Main Campus, established in 2002, is among the top 259 colleges in Telangana State. Spanning 10 acres, the campus features a built-up area of 34,151.42 square meters (3,67,602 square feet) and is permanently affiliated with JNTUH. The college offers 13 undergraduate and 5 postgraduate programs.

MREC boasts state-of-the-art infrastructure that fosters an environment of progressive learning and development. Our classrooms and laboratories are fully equipped to meet AICTE standards, ensuring students receive the best academic experience.

Classrooms & Seminar Halls

- 90 classrooms and 6 seminar halls, all equipped with ICT facilities and Smart TVs.

Laboratories & Research Centers

- 115 laboratories, 5 R&D centers, 2 workshops, and 2 data centers, all well-equipped and well-maintained.
- Computer labs are furnished with both licensed and open-source software.
- In addition to regular labs, we have advanced R&D and project labs in collaboration with leading industry partners.

Industry Tie-up Labs & Specialized Software

- IBM, HP, DevOps, CISCO, Google Cloud, Salesforce, Red Hat Linux Campus Connect Lab.
- Specialized software such as LabVIEW, GT Lab, STAAD.Pro, CREO, ANSYS, HFSS Communication Design Suite, CADENCE, OPITBLAST, and STRAYOS.

MREC continues to provide cutting-edge infrastructure and resources to enhance the educational experience and research capabilities of its students and faculty.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://mrec.ac.in/NAACDocument/20250118165356-4.1.1%20pdf.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 and cultural activities play a significant role in the curriculum at Malla Reddy Engineering College.

Cultural Activities

The College Cultural Committee organizes various events to nurture students' talents and leadership skills. Activities include essay writing, debates, group discussions, quizzes, dumb charades, elocution, mimicry, volte-face, extempore, mock shows, singing, skits, and more. These events provide students with a platform to showcase their skills and explore their creative potential. Additionally, MREC hosts the Malla Reddy Cricket Tournament, an inter-collegiate competition held annually. Students with a passion for music and dance are actively encouraged to participate.

Yoga

MREC has a dedicated Yoga Centre, led by qualified instructor DR. K. Srinivasa Rao, offering yoga sessions for both students and faculty. These sessions are conducted in the yoga hall at convenient timings.

Sports & Games

The institution provides excellent sports facilities, including a 1,200 Sq.m. indoor sports area for Table Tennis, Badminton, Chess, and Carrom.

Gymnasium

MREC features a spacious indoor gymnasium, equipped with designated areas for Yoga, Weight Training, Weight Lifting, Power Lifting, and Cardio exercises to promote fitness and well-being.

Auditoriums

The college houses two major auditoriums:

- Chammakura Chadramma Memorial Major Auditorium - Seating capacity of 1,500, used for National and International Conferences, College Days, Fests, and other major events.
- Mini Auditorium - Seating capacity of 500, designed for smaller gatherings and academic events.

MREC remains committed to fostering a vibrant campus life by providing students with top-tier facilities for cultural, sports, and recreational activities.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://mrec.ac.in/NAACDocument/20250118165356-4.1.1%20pdf.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)

919.08

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

The Knowledge Resource Center at Malla Reddy Engineering College, established in 2002, serves as a vital hub of information and one of the institution's key central facilities. It caters to the academic and informational needs of both faculty and students at the undergraduate and postgraduate levels. The library houses a collection of 60,544 volumes and 7,865 titles, along with an e-ATL (Electronic Access to Library) facility available to all students and staff. It also maintains subscriptions to major national resources such as Delnet, Digital Library, IEEE-ASPP, INFLIBNET, J-GATE, and more.

Library Automation: The library is fully automated, utilizing the KOHA software for circulation, procurement, OPAC, and project report management. All library documents are barcoded, and books are issued to users by scanning the barcode. On average, over 1,500 students utilize the library's resources, both online via e-ATL and offline, as most students are engaged in classes during the day. A daily register tracks library usage by visitors.

e-ATL: The MREC Library offers remote access to subscribed e-resources for current students, faculty, and staff through the "Remote Log" service, allowing off-campus access to valuable educational materials.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://15.20.17.156:8080/cgi-bin/koha/members/moremember.pl?borrowernumber=4723

4.2.2 - Institution has access to the following:

A. Any 4 or more of the above

**e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

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)

56.37

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

IT Policy: In 2015, MREC established an Information Technology Policy to maintain, secure, and ensure the legal and appropriate use of information technology across the campus. Currently, the college has approximately 1,620 network connections spanning over

nine buildings, with plans to expand to 2,500 connections soon.

Internet & Wi-Fi Facility: The campus offers full Wi-Fi coverage, including an extension to the canteen. With 500 Mbps internet speed and over 70 Wi-Fi access points with extenders, the entire campus is covered. All computers are connected to the internet, and Wi-Fi is available 24 hours a day. Dedicated internet labs are provided, and the institute has computer centers available for general use and additional learning outside of regular hours.

The campus also uses local area wireless technology, offering 12 Mbps internet connectivity for devices to exchange data or connect to the internet in both the campus and the UG and PG hostels.

Cyber-Security: To ensure the security of the campus network, a new firewall, the 'Cyber room-300NG,' was installed with advanced filtering capabilities. In 2017, the Cyber room firewall was upgraded to handle increased network and application loads, supporting both academic and administrative processes and maintaining a secure campus network.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6ImV3cmNFZmlaU01gazl2WHI0aGRja3c9PSIsInZ hbHVlIjoicGYxVjFDKzZWZ3Y1RTgrakpaZ2pSMDIwZ 01xYjc3OHkzMGs0dXRsdExTa1VHYWVODZOSUNCa01 BekxPNHZ3biIsIm1hYyI6ImJlMzhmY2RlNmJmY2Q4Y zE5OWQwZjU1YjdiMWE3OTBjNmNlM2M4NDU0NjNmMGZ lYTk0YTVkODYzYWFjZTI1ZTYiLCJ0YWciOiIifQ==

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
6279	2946

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)

1592.60

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.

The institution has a well-organized system for maintaining and utilizing the facilities at MREC Campus. The facility management

team is responsible for the upkeep of physical, academic, and support facilities.

Building Maintenance Committee: This committee, led by designated in-charges, reports to the Principal through the Administrator and oversees the following tasks:

- **Civil Engineering Works:** Maintenance and repairs of buildings, painting, furniture, and related tasks.
- **Campus Hygiene and Cleanliness:** Regular maintenance of the campus cleanliness, drainage systems, and waste disposal.
- Each department has designated staff responsible for maintaining departmental hygiene, supervised by the respective Heads of Departments (HODs).

Equipment Maintenance Committee: All laboratories are spacious and well-lit, with safety precautions and guidelines displayed in each. Every piece of equipment in the labs is barcoded, and records of maintenance are meticulously kept.

Sports Maintenance Committee: The Physical Education Department is in charge of maintaining the sports facilities. A stock register and issue register are kept to ensure the proper handling and management of sports equipment.

Computers/IT Maintenance Committee: The campus is equipped with an optical fiber backbone for seamless interconnectivity between buildings, and each building has its own local area network (LAN) for efficient IT infrastructure management.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/NAACDocument/20250121143956-4.4.2%20SOP%20_%20MAINTENANCE%20%20reopen.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

3391

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

166

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/20250124170849-5.1.3.pdf
Details of capability development and schemes	View File
Any additional information	No File Uploaded

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

6342

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

947

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

188

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

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

173

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

19

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 student Student Chapters of various professional societies like IGBC, ICI, IEI, SESI, ASME, IETE, CSI, APSMS, NCSSS, ISTE, ISNT, SAE, IEEE, IEEE Women actively organize Technical & Cultural Fests, Social activities, and Co activities. Adequate

representation is given for students in all academic administrative/cultural committees and students are involved in the decision 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

7

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	No File Uploaded

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	http://mrec.ac.in/NAACDocument/20250118163153-ALUMNI%20DAY%202024%20COMPLETE%20DATA%20FOR%20NAAC.pdf

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 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 University Grants Commission (UGC).

The GB through the director/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 and ensure proper implementation of the same.

Nature of the Governance

The governing body provides guidelines through the academic council to maintain high standards in imparting education by setting the objectives relevant to the policy, hiring quality professionals, rewarding the achievers, designing curriculum, providing infrastructure facilities and encouraging the best

utilization of the resources.

Perspective Plans

Malla Reddy Engineering College focuses on its Perspective Plans for the upcoming academic years based on decision-making process and quality planning.

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 of MREC.

IQAC collects faculty insights from these committees. The teacher also holds responsibility for examining and assessing the students in a transparent way and in time adhering to regulation time adhering to regulation.

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

Malla Reddy Engineering College (MREC) has a decentralized and institutionalized transparent mechanism in management, administration, financial and academic affairs. It delegates appropriate responsibilities to focus on policymaking and major decisions.

All the stakeholders of MREC have participative roles in 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 to uphold all-round development of the students. The following are the few operational level decentralization of various activities in vogue in the institution:

High Level Committees: The Governing Body and Statutory committees partake in the overall development and growth, policy decisions, financial and disciplinary issues.

Middle Level Committees: Principal, Deans, COE, Associate Deans, and HODs partake in rules and regulations, academic development, curricular and co-curricular activities etc.

Lower-Level Committees: Various committees constituted for purpose of monitoring the policies and rule and regulations of the institutes.

For the unpredictable expenses for 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	View File
Paste link for additional Information	https://mrec.ac.in/AboutUs/InstituteOrganization

6.2 - Strategy Development and Deployment

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

Malla Reddy Engineering College (MREC) Strategic and Perspective Plan has been thoughtfully developed and effectively implemented. It aligns with the Vision and Mission of MREC, focusing on achieving academic excellence, fostering research, and addressing societal needs. The plan is prepared in collaboration with all

stakeholders, ensuring it reflects the collective goals and priorities of the institution.

The Governing Body plays a pivotal role in guiding the plan's formulation and monitoring its implementation. Key areas addressed include curriculum design, infrastructure development, faculty capacity building, student-centric learning approaches, and strengthening industry-institution collaboration. These efforts aim to enhance the professional and entrepreneurial skills of students while promoting innovation and sustainability.

Regular reviews and feedback mechanisms ensure the plan remains relevant and adaptive to changing educational and societal needs. Teachers actively participate in the planning and implementation processes through various statutory and non-statutory committees, ensuring inclusivity and shared responsibility.

The outcomes of the Strategic Plan are periodically assessed, and necessary modifications are made to align with emerging global standards and industry trends. This comprehensive approach ensures that the MREC not only achieves its immediate objectives but also sustains long-term growth and excellence in education, research, and community engagement.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://mrec.ac.in/NAACDocument/20250118115513-DST-SEED-PVTG-2023-239%20Sanction%20Order.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.

The effectiveness and efficiency of Malla Reddy Engineering (MREC) depend on the interplay between policies, administrative setup, and procedural adherence ensuring compliance with policies, streamlined administration, and clear procedures.

MREC policies serve as the framework that guides decision-making, ensures compliance, and promotes organizational objectives.

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 anytime 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 MREC is visible as per the Organogram chart of the MREC. 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	Nil

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) Documen	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

Malla Reddy Engineering College (MREC) prioritizes the welfare and career development of its teaching and non-teaching staff by implementing comprehensive measures. Various welfare programs focus on ensuring the physical, mental, and professional well-being of employees.

For teaching staff, the institution provides opportunities for professional growth through funding for research projects, support for attending conferences and seminars, and access to workshops and training programs that enhance their teaching and research capabilities. Career progression is encouraged through internal promotions, recognition for academic and research contributions, and initiatives to pursue higher qualifications.

Non-teaching staff benefit from skill enhancement programs, technical training, and workshops aimed at improving their professional competencies. MREC also ensures access to various welfare measures, including medical facilities, health insurance schemes, provident fund contributions, and financial aid for personal exigencies.

Additional support structures include leave benefits, housing assistance, childcare facilities, and recreational programs to promote work-life balance. Regular performance evaluations and feedback systems are in place to identify areas of improvement and growth potential for all staff.

These welfare measures and development opportunities create a nurturing and motivating atmosphere, enabling MREC staff to excel in their roles while contributing meaningfully to the institution's goals and objectives.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://mrec.ac.in/NAACDocument/20250124164233-6.3.1%20Staff%20Welfare%20Expenditure%20with%20audit%20statement%20scanned.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

226

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

27

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.)

255

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

Malla Reddy Engineering College (MREC) conducts regular financial

audits by a certified & recognized CA, through the CMR Educational Society. Internal audits are also performed by the Management/ Principal /IQAC. MREC 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, he 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 in overall development

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mrec.ac.in/Images/NonStatutoryCommittees/4-FINANCE%20COMMITTEE.pdf

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)

9.9

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

CMR Educational Society continues to remain as the lifeline of Malla Reddy Engineering College (MREC) for providing the required funds, mechanisms to tap other sources of resources as well other than Tuition fee, Transport Fee, Exam Fee etc. Management encouraging staff to apply for Government funds, consultancy services. Resources can also be mobilized from noted philanthropists, alumni and other NGO's. Such resources shall be utilized for the specific purpose for which they have been sponsored

Optimal Utilization of Resources:

The Governing Council and Finance Committee of MREC meets twice a year. The major decisions about growth and development of the institute are taken by the members of these committees. These committees review proposals, approve them and allocate budgets according to the vision of the institute.

The institution involves all the departments in institutional planning. Every department submits its short term, intermediate term and long-term plans for departmental improvement.

The infrastructural, equipment, ICT, academic and financial needs are presented and discussed with the administration. A budget and plan document are created and a time frame is agreed upon Equipment Purchase, Library Books and Journals Purchase, IT Infrastructure, Students Council Activities, Faculty Development

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

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)

Institutionalized Practices as a Result of IQAC Initiatives

The Internal Quality Assurance Cell (IQAC) plays a pivotal role in enhancing the academic and administrative quality of an institution by introducing institutionalized practices that ensure systematic planning, execution, and evaluation. Two key practices, Course File Preparation and Submission and Academic Auditing, have been instrumental in fostering accountability, consistency, and continuous improvement.

Course File Preparation and Submission This practice requires faculty to prepare comprehensive course files before the academic session begins. The file includes the syllabus, lesson plans, teaching strategies, assessment schedules, and reference materials. By mandating this, the IQAC ensures that faculty members are well-prepared, and course delivery remains consistent and aligned with institutional goals. Faculty must submit their course files to the IQAC or designated authorities before classes commence, setting a structured foundation for a seamless academic session.

Academic Auditing Academic auditing involves a systematic evaluation of departmental activities, including curriculum delivery, research contributions, student outcomes, and co-curricular initiatives. Departments document their work, which is assessed against predefined benchmarks. The audit provides constructive feedback, fostering alignment with institutional objectives and encouraging best practices.

These initiatives reflect IQAC's commitment to sustaining excellence, ensuring transparency, and driving continuous institutional progress.

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

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

Periodic Review of Teaching-Learning Process by IQAC

The Internal Quality Assurance Cell (IQAC) plays a vital role in maintaining and enhancing the quality of the teaching-learning process. Through periodic reviews, it ensures continuous

improvement and alignment with institutional goals by adopting systematic practices. At the beginning of each academic year, a comprehensive academic calendar is prepared and shared, outlining the schedule for curricular and co-curricular activities such as seminars, workshops, faculty development programs, and remedial sessions. This calendar acts as a roadmap for efficient planning and execution. Faculty members create detailed lesson plans for their subjects, incorporating objectives, teaching strategies, and additional resources. These plans ensure diverse learning activities that align with desired learning outcomes. Timetables, designed in sync with the academic calendar, are displayed prominently and shared digitally to ensure clarity and accessibility for students and faculty. To evaluate teaching effectiveness, a robust feedback mechanism is employed, allowing students to provide insights into teaching methodologies, course delivery, and areas for improvement. By implementing these measures, the IQAC fosters a dynamic and efficient teaching-learning process, ensuring high academic standards and creating a student-centered learning environment.

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

<p>6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the 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)</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Paste the web link of annual reports of the Institution	https://mrec.ac.in/IOAC/IOACAOAR
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/20250117142414-23-24_7.1.1.1_Additional%20information.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 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
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

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> <ol 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 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,</p>	<p>A. Any 4 or all of the above</p>
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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 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 Sankranti, 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:	
<p>MREC conducted various programmes to sensitize the staff and students about the constitutional obligations like values, rights, duties, and responsibilities of the citizens.</p> <ul style="list-style-type: none"> • 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 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

<p>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</p>	<p>A. All of the above</p>
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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
- Sankranti 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
12. Research Review Meetings (RRM)
13. Students' Associations Council (SAC) nurturing the latent talent among the students
14. Staff get together
15. Value added courses
16. Wall magazine
17. Proctored online mid exams
18. Digital evaluation

File Description	Documents
Best practices in the Institutional website	http://mrec.ac.in/NAACDocument/20250121152807-23-24_7.2.1_Best%20practices.pdf
Any other relevant information	http://mrec.ac.in/NAACDocument/20250121153054-23-24_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 to ensure that the students get suitable placement opportunity.

Faculty related activities:

- Our institute adopts a novel way of energizing the staff members. All the staff members irrespective of their designation / role are invited along with their family members 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	http://mrec.ac.in/NAACDocument/20250121143006-23-24_7.3.1.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. To improve the NIRF Ranking further.
2. To become a Deemed-to-be University
3. To achieve 4-star rating in IIC.
4. To expand the lab infrastructure for better utilization by students and faculty members for research activities and skill development.
5. To encourage students for enrolment in NCC army wing and to give NCC training at the first-year level.
6. To strengthen SAC activities further and encourage students to participate in National and International events.
7. To extend necessary guidance and support to the enthusiastic entrepreneurs through Business Incubation Centre.