YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	MALLA REDDY ENGINEERING COLLEGE FOR WOMEN
• Name of the Head of the institution	Dr.Y.Madhavee Latha
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	8106714901
• Alternate phone No.	9346118803
• Mobile No. (Principal)	8106714901
• Registered e-mail ID (Principal)	adminmrecw@gmail.com
• Address	MALLA REDDY ENGINEERING COLLEGE FOR WOMEN, Maisammaguda, Dhulapally,Hyderabad
• City/Town	Hyderabad
• State/UT	Telangana
• Pin Code	500100
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	11/10/2018
• Type of Institution	Women
• Location	Rural

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Dr.C.V.P.R.Prasad**
• Phone No.	**9346118803**
• Mobile No:	**7386200587**
• IQAC e-mail ID	**adminmrecw@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.mallareddyecw.com/assets/documents/AQAR/19-20.pdf
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.mallareddyecw.com/Home/Academics

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.05**	**2014**	**24/09/2014**	**23/09/2019**
Cycle 1	**A**	**3.05**	**2019**	**13/02/2019**	**31/12/2023**

6.Date of Establishment of IQAC	**09/07/2012**

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
MRECW/ECE/Dr.satheesh sundrajan	MODROBS	AICTE	17/03/2020	10,17,726
MRECW/ECE/Dr.Perianna Samy	AICTE Sponsored Conference	AICTE	25/02/2021	2,61,700
MRECW/ECE/Dr.satheesh sundrajan	STTP	AICTE	21/02/2020	3,36,333
MRECW/ECE/Dr.N.Sreekanth	STTP	AICTE	21/02/2020	3,89,666
MRECW/EEE/Dr.P.Balakrishnan	FDP	AICTE	30/07/2020	4,97,167

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
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes
• 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?	Yes
• If yes, mention the amount	2502592

11.Significant contributions made by IQAC during the current year (maximum five bullets)

NIRF Indian Ranking 2020, MHRD, Govt. of India. Band A(6th -25th)-National Ranking in Atal Ranking of Institutions on Innovation Achievements (ARIIA), MHRD, Govt. of India. Platinum Rated by AICTE-CII Survey of Industry Linked Technical Institutes Ranked 2nd among the Outstanding Engineering Colleges of Excellence - CSR. Received seven (7) University Academic Gold Medals from JNTU, Hyderabad for student academic excellence during the Academic year 2019-20.

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
Applied for AICTE MODROBS	One AICTE MODROB is sanctioned
AICTE-Short Term Training Programmes	AICTE Sponsored One Week Short Term Training Programme On Emerging Trends in Advanced SIGNAL & IMAGE PROCESSING(SLOT-4) on 3rd to 7th May, 2021 • AICTE Sponsored One Week Short Term Training Programme On Emerging Trends In Advanced Signal & Image Processing(SLOT-3) on 19th to 24th April, 2021 •AICTE Sponsored One Week Short Term Training Programme On Emerging Trends In VLSI Technology(SLOT-2) on22nd to 27th March, 2021 • AICTE Sponsored One Week Short Term Training Programme On Deep Learning Techniques For Electronic Health Record Analysis (SLOT-4) on 15th to 20thMarch, 2021 •AICTE Sponsored One Week Short Term Training Programme On Emerging Trends In Advanced Signal & Image Processing(SLOT-2) on 8th to 13th March, 2021 •AICTE Sponsored One Week Short Term Training Programme On Emerging Trends In VLSI Technology(SLOT-1) on 1st to 6th March, 2021 •AICTE Sponsored One Week STTP Programme On Deep Learning Techniques For Electronic Health Record Analysis(SLOT-1) on 16th to 21st November,2020 •AICTE Sponsored One Week STTP Programme On Emerging Trends In Wireless Sensor Networks And Applications on 14th to 19th September, 2020 •AICTE Sponsored One Week STTP

	Programme On Recent Trends In Wireless Sensor Networks And Applications(NS-2) on 31st August to 5th September, 2020 • AICTE Sponsored One Week STTP Programme On Recent Trends In Wireless Sensor Networks And Applications on 3rd to 8th August, 2020. • AICTE Sponsored One Week STTP Programme On Predictive Analytics Using Machine Learning With Python on 10th to 16th August, 2020 • AICTE Sponsored One Week STTP Programme On Emerging Trends In Wireless Sensor Networks And Applications on 17th to 22nd August, 2020 •AICTE Sponsored One Week STTP Programme On Optimization Techniques In Machine Learning For Wireless & Iot Applications on 24th to 29th August, 2020 • AICTE Sponsored One Week STTP Programme On Optimization Techniques Through Machine Learning For Wireless and IOT on 13th to 18th July, 2020 • AICTE Sponsored One Week STTP Programme On Optimization Techniques Through Machine Learning For IOT on 27th July to 1st August, 2020
Faculty Development Programmes	Webinar on E-Resources on 21st July, 2021. • Two Week Faculty Development Programme On Advanced Data Science & Applications on 23rd to 28th August, 2020 • Webinar On Introduction To Data Science on 11th July, 2020 • Faculty Development Programme On Research Methodology on 27th to 31st July, 2020 • Faculty Development Program On Cyber Security on10th to 14th June,

	2020 • Faculty Development Programme On Industrial IOT & Intelligent Connectivity Using Rasberry Pi on 25th to 27th June, 2020.
Value Added Certification Courses	Cisco CCNA RS introduction to networks Certification,Cisco Programming essentials in C certification,Cisco CCNA routing and switching Certification ,Cisco Linux Certification,Cisco Programming essentials in C++ Certification-through Cisco Networking Academy,Robotic Process Automation Certification Training ,Java SE programmer profession(JCP) certification through Oracle Academy,MTA Certification through Microsoft Innovative Centre through Microsoft Innvation Centre completed. Coursera Certifications, TCS ION Certifications
Pearson,Oxford,Business English Certification Courses	Pearson Certification Traning(LSWR Skills) for III Year Studets,Oxford Achievers Certification for II Year Students and Business English Certification by Cambride University completed under Centre for Development of Communication Skills Cell
Hackathons	Idea/Product Exhibition -Theme:App Development to Assist in COVID-19 Pandamic, Women Safety, Agriculture & Rural Development,Telematics-Smart Communications & Smart Vehicles, Health Care & Biomedical Devices •Hackathon Product Exhibition under Robotics & IOT club for II & III year B.Tech Students on 9th January 2021 •Online

	Software hackathon under AI&ML, python, Robotics &IOT club on 4th TO 6th January 2021 • AI&ML Technical Club Hackathon on 14 to 15 th February, 2020, 24 to 25 th February, 2020,3 & 4th March, 2020 • Hackathon on Raspberrypi for iii year b.tech students by precise in on 17th& 18th january,2020. •Idea Hackathon under Robotics & IOT Clubfor II & III year B.Tech students on 4th January,2020. • Idea Hackathon under Robotics & IOT club for I year B.Tech Students on 3rd January,2020 • Idea Hackathon under Robotics & IOT club for I year B.Tech Students on 3rd January,2020 •Idea Hackathon under Robotics & IOT club for III year B.Tech Students on 21st December 2020 •Hardware Hackathon under AI&ML, Python, Robotics & IOT club for II year B.Tech Students on 28th and 29th December 2020.
Technology Business Incubation Centre	The institution established MRECW Technology Business Incubation (TBI) Centre to encourage the student community to develop new innovation in the technology in various specializations. • MOU with MSME, MHRD, Govt. of India as Host Institution for Business Incubation. As a Host Institution for Business Incubation, the institution has applied innovative startup projects in the following areas which are under the approval process by MSME, New Delhi. 1. Waste Management 2. Media & Entertainment 3. Health Care & Life Sciences 4. Agriculture 5.

	Safety 6. Internet of Things • Activity : Elite2020-National Challenge for Business Ideas on 15th Feb 2020 (evnets organized 1.Innovative Idea presentation for new India ,2.Business Plan Competition)
MHRD Innovation Cell	The following events are attended by faculty and studets. • India's First Leadership Talk Series Session by Shri Shashi Shekhar CEO Prasar Bharati on 6th July, 2020 • Leadership Talk by Shri Dipendra Manocha, Motivational Speaker on 27th June, 2020 •Leadership Talk with by MHRD's Innovation Cell by Mr. Shridhar Venkat, CEO Akshay Patra Foundation held on 20th June, 2020. •Leadership Talk by Shri R Subrahmanyam, IAS Secretary Ministry of Social Justice & Empowerment on 13th June, 2020 • Leadership talk by MHRD's Innovation Cell by Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design on 6th June, 2020
Events under Entrepreneurship Development Cell	Entrepreneurship Development Cell presents Guest Lecture on "How to become Successful Women Entrepreneur by Ms. Anuradha Thota, CEO, Black Bucks IT Solutions on 14th July, 2021 ? Webinar on Stock Markets by Mr. B. Amarnath Reddy on 14th July, 2021 ?
Events under Carrier Guidance and Counselling Cell	Awareness Programme for CIVIL Services Preparation by Dr. Mohan Kanda IAS Retd. Chief Secretary, Govt. of AP,Dr. A. Ashok IAS Retd. Secretary, Govt. of Telangana,Dr. Manmohan Singh IAS Retd. Spl.Chief Secretary,

	Govt. of AP,Dr. K V Satyanarana IAS Retd. Secretary, Govt. of AP,Dr. P V Lakshmaiah Mastered Anthropology and Author of 14 Text Books Retd. Spl.Chief Secretary, Govt. of AP,Dr. K V Satyanarana IAS Retd. Secretary, Govt. of AP,Dr. P V Lakshmaiah Mastered Anthropology and Author of 14 Text Books on 16th July, 2021. • Live Webinar on
Events under Training and Placement Cell	584 students are placed in MNCs and Core companies •Pre ? Soft Skills training by Mr. Raghu, Expert Trainer on 30th January 2021 for II & III year students • BEC training on 25th, 27th, 28th of January 2021. 2019) • ICT-DXC Women Empowerment Program for III Year Students during 9th May to till date. •Cisco Internship in association with AICTE for III year Students during • Hack with InfyTQ Programme organized by Infosys • Epam Internship Training Programme for III year students 20th January 2020 to till date. • Soft Skills Training by Face on 6th to 9th April, 2021 • Quantitative ability training by Face on 3rd to 7th April 2021. for II & III year students • DS & Algorithms - Hacker Ranker Training by during 26th March to 2nd April, 2021. •Packet Tracer Training by Zoom Technologies on 29th & 30th March , 2021. • Aptitude Training by Talentio on 22nd and 23rd March, 2021 • Aptitude Training by Talentio 19th to 20th March, 2021 • Packet Tracer training by Zoom Technologies 29th & 30th March , 2021. •Technical Training(C& DS

	– Hacker Ranker training) by Talentio 18th to 20th March, 2021 •Technical Training(C& DS – Hacker Ranker training) by Talentio 15th to 17th March, 2021 • CRT Training by FACE 15th to 17th March 2021 •C& DS – Hacker Ranker training by INSTACKS 18th to 20th March, 2021. • Technical Training on Python Programming during 27th to 29th May, 2021 for III year Students. •Pearson Certification Training during 24th to 26th May, 2021 for III year students. • C& DS – Hacker Ranker training on every Sunday for II & III year students during April 18th to May 30th 18th to 20th March, 2021. •Pearson Certification Training during 27th to 29th May, 2021 for II year Students. • Technical Training on Data Structures during 24th to 26th May, 2021 for II year students. •Finishing School Training on various Technologies like IOT AI/ML and Linux Programming for IV year students (13th to 25th April 2021)
Events under industry Institiute Partnership Cell	265 students completed Internships at various government and private organizations
IEEE,CSI,ISTE,IETE and HMA Student Chapters events	FUTURE SASTRA 2K20 National Level Technical Symposium on 20th May & 21st May 2021 Events Organized under IEEE Students Chapter • Paper Presentation on Emerging Trends in CSE&IT• Paper Presentation on Emerging Trends in ECE• Paper Presentation on Emerging Trends in EEE • Paper Presentation - I Year• Paper

Presentation on Emerging Trends in MBA• Best Leader Award • Idea/Product Exhibition -Theme:App Development to Assist in COVID-19 Pandamic, Women Safety, Agriculture & Rural Development,Telematics-Smart Communications & Smart Vehicles, Health Care & Biomedical Devices • Design Contest ECE & EEE• Project Expo-CSE&IT Events Organized under ISTE Student Chapter • Art Show-Covid -19 Handling The Pandamic • Mock Interview• General Quiz• Science Buzz• Product Launch and Ad Making• Business Plan Competition Events Organized under IETE Student Chapter • MAT Queen- MATLAB • Robotmania • Image Interpretation • Logic Mantra Events Organized under CSI Student Chapter • Master of C • Cryptomania • Empiric of Data • Python Humor • Brainy of Java • Code Cracker • Proquest MEDHA - 2K19: State Level Technical Symposium on 10th & 11th October, 2020. Events Organized under IEEE Students Chapter • Best Leader Award • Code2duo • Design Contest ECE & EEE • Idea Presentation • National Educational Policy 2020 - Power Point Presentation Events Organized under ISTE Student Chapter • General Quiz • Mock Interview • Business Quiz • Electro Buzz Events Organized under CSI Student Chapter • Brainy of Java • Empiric of Data • Master of C • Proquest • Python Humor Events Organized under IETE Student Chapter • Image Interpretation • Logic Mantra • MAT Queen- MATLAB •

	Robotics-IOT Quiz • Robotmania• Best Speaker Award
NSS Activities	Awareness •Awareness Programme on COVID 19 Safety measures on 31st July,2021. •Awareness Programme on COVID 19 Vaccination on 24th July,2021. •Awareness Programme on COVID 19 Vaccination By Dr.M.Rambabu from MRIMS on 22nd June ,2021. •SAHAJA YOGA MEDITATION programme by Ms. Hansa Gaur on 21st June 2021. •Power Point Presentation on
Personality Development Programs	•Personality Development Programme "Goal Setting & Time Management" by Mr. Amarnath Reddy, Associate Professor, MRECW on 10th December, 2020 •Personality Development Programmeon"Leadership Qualities" by Prof. Ch. V. L.L. KusumaKumari, HOD, I Year on on 9th December, 2020 •Personality Development Training Programme on "Positive Thinking" by Dr. N. Sreekanth, HOD, ECE on 8th December, 2020 •Personality Development Programme on "Verbal and Non-Verbal Communication by Mr. B. Sandeep, Assistant Professor, MRECW on 7th December, 2020 •Personality Development Programme by Dr.B.V. Pattabhiram,World renowned Motivational Speaker& Psychologist on 26th November, 2020 •Personality Development Programme on "Expectations from Budding Engineers" by Prof. M.L. Sai Kumar, Former Dean, IPE on 23rd November, 2020 •Personality Development Programme on "Positive Attitude a Gateway to

	Success" by Prof. M.L.Sai Kumar Garu, Former Dean IPE, Hyderabad, Eminent Motivational Speaker on 12th September, 2020 •Personality Development Programme on "Sky is the Limit" by Dr. B.V.Pattabi Ram, World Renowned Motivational Speaker & Psychologist on 26th August, 2020.
Extra Curricular Activities	Musical Show by Famous Singer "Satya Yamini" on February 11th 2021. •Singing and Dance competition under MRECW Cultural Club on 11th February 2021 • Musical Show by Famous Singer "Satya Yamini" on February 11th 2021. •Mehandi Competition on 17th February 2021. •Art Show – Digital Poster Presentation on "Eminent Women Personalities" on 28th November, 2020. • Art Show- Digital Poster Presentation on 3rd October 2020 •Science Quiz Competition on 26th November, 2020. • X-Talent – The Talent Show on 27th November, 2020. • Bathukamma Celebrations (Virtual) on 7th October 2020.
International Conferences	AICTE Sponsored International Conference Applied & Sanctioned
Patents	patents filed and Published and received grant from IPindia.gov.in
Publications&Books	Faculty published and presented 389 research Papers in SCI,Scocus,UGC and reputed International/National Journals/Coferences and books published by faculty
13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body	08/04/2021

14.Was the institutional data submitted to AISHE ? | **Yes**

- Year

Year	Date of Submission
03/02/2021	16/03/2022

15.Multidisciplinary / interdisciplinary

The Institution has the policy in general to stick to the instructions of statutory bodies like AICTE, UGC etc., in designing the curriculum, giving due weightage from the total credits to Humanities & social Science (HSS), including management, regulatory courses and Basic Sciences Courses (BSC).

At the same time, certain flexibility and innovation is incorporated in the curriculum by introducing open electives, Professional electives, Provision for engineering degree and credit transfer facility from MOOCS & Internships.
Besides these, a scope is also created to make the students work in multidisciplinary areas such as community engagement & service, environmental education and rural internships.

Presently, lateral entry is permitted for all the Programs at the 2nd year level for diploma students. Bridge courses are conducted as Prerequisites for them to facilitate smooth transition and completion of the programme.

In addition to this, institute has already established Robotics lab to promote innovation and incubation for the benefit of the society.

16.Academic bank of credits (ABC):

One of the provisions of the National Education Policy 2020 (NEP 2020) is the introduction of the Academic Bank of Credits (ABC). ABC will allow students in undergraduate and postgraduate degree courses

to exit the course and enter within a stipulated period. The Academic Bank of Credits shall deposit credits awarded by registered Higher Education Institutions, for Courses pursued therein, in the Academic Bank Account of the student and the validity of such credits shall be as per norms and guidelines issued by the Commission from time to time.

The college has applied for Academic Bank Credit provision through AICTE.

17.Skill development:

MRECW focusses on skill development to enable the students for acquiring desired competency levels.
Being as an autonomous institution, MRECW gives highest priority to skill development. In R-20, apart from the from regular lab courses, seminars, mini-projects, and project courses, internships are introduced to promote skill development apart
Institute has a dedicated center name "Training and Placement Cell" for providing the required training, skill development and placement support.
Also signed on MoUs with various organizations and institutes for creating awareness on emerging courses, industry technologies, projects, practices.
Students are offered with xx value-added courses based on skills for the skill development. These value-added courses include Communication Skills, Foreign Languages, TOEFL, GRE and GATE coaching, Emerging Technologies like IoT, Cyber Security, Data Science, Machine Learning, Robotics, Blockchain, Python, and R Programming, etc.
Courses in all programs are organized in such a way that students get opportunities for experimental learning and skill development through internships, field works, industrial visits, project works and hands-on learning methods

In order to provide value-based education, institute provides courses and events on professional ethics, research ethics, Indian Constitution, life-skills and code of conduct.

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

Relevance with NEP Policy the rich heritage and eternal knowledge created and acquired by Indians over several millennia in the Indian subcontinent. The rich heritage of ancient and eternal Indian Knowledge and thought has been a guiding light for this policy.

- Towards more holistic and multi-disciplinary education
- Catalysing quality academic research in all fields through a National Research Foundation:
- Professional education
- Promotion of Indian Languages, arts and culture

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

MRECW is established with affiliation to JNTU Hyderabad. The institute offers eight undergraduate and two post graduate programs in Engineering in addition to one PG program each in Business Management. The Institute has conferred UGC Autonomous status from the academic year 2018 and designed the curriculum and syllabus, referred as R-18 Regulation. The subsequent revision of the syllabus (R-20 Regulation), was done in line with AICTE Model Curriculum from academic year 2018-19 onwards. The R-20 curriculum is enriched with courses like Engineering Exploration, Community Engagement, Internships. The Program curricula for UG and PG programs at MRECW mainly focuses on the Outcome Based Education and it is structured in such a way that it suits the current technology, industrial needs, requirements for continuing higher education, research and also helps the students in securing employment in different organizations. In the process of designing and developing the curriculum the departments have exercised in collecting the feedback from all the internal stakeholders (faculty, students) and external stakeholders (alumni, parents, employers/recruiters and experts from industry and R & D organizations). Curricular gaps are identified by Course Expert Groups (CEGs) through the feedback received from alumni/ outgoing students/ industry and the same is discussed in the department meetings to fill the gaps and accordingly revision has been made in sub-sequent curricula.

In all the regulations, Vision, Mssion, POs and PSOs are also taken into account while drafting the curriculum., it will be presented to BoS meeting for thorough discussion. The BoS includes the experts from Industry, Academia, R&D organizations and also Alumni. Later it will be presented to Academic Council to seek the approval, where Academic Council includes the members from user industry, academia from reputed institutions Universities.

The Teaching and Learning process is given the foremost importance in the Institute. Quality improvement in teaching and learning is achieved through well-defined processes. Institution is more focussed on implementing OBE to nurture students' skills, knowledge and attitude. Learner centric pedagogical approaches are adopted by all the faculty members. They are

1.   Experiential Learning Methodologies
2.   Participative Learning Methodologies

3. Problem Solving methodologies

The Information Communication Technology (ICT) tools used in CBIT includes LCD projector, CBIT ERP system, GOOGLE MEET, WEBX platforms.

20.Distance education/online education:

The Institute has excellent infrastructural facilities along with ICT enabled tools to have and offer an online/blended education to its students. It has been a practice in the Institute in offering and using these facilities for an effective and outcome oriented education. Few of such significant practices are mentioned as follows:

Institute promotes the usage of ICT enabled classrooms which are equipped with smart boards, and internet/Wi- Fi facility. Each department has a dedicated e-classroom with an additional smart board facility. Every computer laboratory has a 1:1 Student to Computer Ratio while they are in use, and all of the machines have latest configuration and LAN connectivity.

The Central Library of the Institute has adequate number of LAN connected computers, where students can access digital materials including IEEE, Springer, Elsevier, Journals, NPTEL Courses, etc.

The institute has a customized Learning Management System (LMS) with an access to all the faculty and students. This platform is used to upload lecture videos, course material, assignments and to conduct online proctored examinations.

The Institute has established a fully furnished, air-conditioned space with an adequate seating capacity and a room for digital recording and editing of the content.

The Institute further plans to offer online pre-placement training programs.

Online executive programs for working professionals for professional development.

Institute has established facilities to conduct online courses and training programs for faculty and students.

Extended Profile

1.Programme

1.1

3

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1   **3184**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2   **657**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3   **3176**

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   **320**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.2   **178**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**3**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1 Total number of students during the year:	**3184**

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2 Number of outgoing / final year students during the year:	**657**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	**3176**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.Academic

3.1 Number of courses in all programmes during the year:	**320**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.2	**178**

Number of full-time teachers during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	**178**
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**748**
4.2 Total number of Classrooms and Seminar halls	**58**
4.3 Total number of computers on campus for academic purposes	**1197**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**591.73**

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.

The Primary objective of the institution is to nurture High Quality Engineering Professionals to meet the global needs.

Process for Curriculum Design:

- **Initial inputs are obtained from the Course Coordinators for each course, on discussion with the faculty handling the**

same course for betterment.

- The Department Academic Committee, mainly focusing to the local, national, regional and global developmental needs as introduction of new courses with the suggestions from various stakeholders to meet.
- The Draft curriculum submitted to the Board of Studies (BOS), for review, refinement and approval.
- The BOS approved curriculum is then put forth for approval/ratification by the Academic Council, the Curriculum is displayed in the college website and Bees ERP Software.

Implementation of COs with POs and PSOs in Curriculum:

- All Course Outcomes (COs) of every course are mapped with the Program Outcomes (POs) and Program Specific Outcomes (PSOs) of UG/PG programme .
- Attainment of PEOs, specific to each Programme is measured directly through the success rate of the graduating engineers, indirectly through stakeholders feedback survey.
- The Institution regularly monitors the attainments of COs, POs and PSOs of all the programs and suitable actions are taken to meet target level.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	https://www.mallareddyecw.com/Home/Curriculum

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

3

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	[View File](#)
Details of syllabus revision during the year	[View File](#)
Any additional information	[View File](#)

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development

offered by the Institution during the year

147

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

147

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

3

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

1. Curriculum Design

MRECW reviews and revise their existing curriculum to identify gaps and opportunities for integrating cross-cutting issues and value frameworks.

a. Human Values and Professional Ethics

A mandatory course to all the UG students to follow values and ethics.

b. Gender Sensitivity

A mandatory course is inducted into the curriculum for all the engineering programs. The course aims to develop students' sensibility regarding issues of gender in contemporary society and provide a significant perspective on the socialization of men and women.

c. Environment and Sustainability

A mandatory course on Environmental Science is included in all UG programmes to enable the students to learn about the concept of ecosystem and biodiversity.

2. National Education Policy – 2020 into the Curriculum

a. Interdisciplinary Approach: As per NEP 2020,MRECW encourages an interdisciplinary approach to learning by facilitating collaboration between different subject departments.

b. Practical Projects and Innovative Product Development: MRECW allow students to explore and apply their learning to real-time scenarios.

3. Sustainable Development of Goals

a. Collaborations and Partnerships: MRECW participate actively in collaborating with various agencies and corporate organizations

b. Monitoring and Feedback:MRECW continuously monitor the effectiveness of the integration and seek feedback from stakeholders.

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	View File

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

22

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

12254

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

1579

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

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is   **A. All 4 of the above**

**obtained from 1) Students 2) Teachers 3)
Employers and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.mallareddyecw.com/Home/Feedbac k
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://www.mallareddyecw.com/Home/Feedbac k
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

1024

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)

725

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.

MRECW students learning levels are identified by their respective Faculty Counsellors based on their performance in the qualifying examination, earlier academic performance to assess their learning abilities, and further communicated to the concerned subject faculty; the students are actually divided into slow, average and advanced learners.

Special Programmes for slow learners:

- Remedial classes are conducted with proper schedules to improve their performance.
- The Faculty members revise the topics as requested by the students, provide question bank, train in answering the questions to score good marks.
- Students with poor soft skills and communication skills are identified by the English faculty and are given special emphasis.
- Assistance for weak students:
    - Faculty regularly follow their progress and counsel them to attend the classes.
    - Periodical tests are conducted and special assignments and tutorials are given.
    - Help them to solve previous years question papers.

Special Programmes for advanced learners:

- Coding abilities are enhanced by extra practice especially through the coding tool- Code Tantra.
- Advanced learners are participated in Idea Presentations and Hackathons, workshops, seminars, paper presentation and international conferences, co-curricular activities also take up additional courses like NPTEL, MOOCs, Coursera, TCS ION, NASSCOM, participates in etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	mallareddyecw.com

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2020	3184	178

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 institution has well adopted centric methods for all round development of students.

Centric methods - Experiential Learning- Participative Learning

1. Innovative Product development for creative Idea implementation.

2. Industrial/Field visits, practical Training/Internship at Industry.

3. Laboratory courses in the curriculum.

4. Project based Learning methods.

5. Mini projects and Major projects.

6. Hackathon participations.

7. Project Exhibitions.

8. Mock Interviews.

9. Value Added Certification Courses.

10. Participation in professional Bodies activities of IEEE, ISTE,CSI and IETE.

Problem Solving Methodologies

- **Giving Assignments and Tutorials with innovative Questions after each unit.**
- **Case study Analysis and Discussions.**
- **Coding practice through Code Tantra.**

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	https://www.mallareddyecw.com/Home/InfrastructureFacilities

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

Projectors: Used in different classrooms and labs for dynamic presentations and multimedia content delivery.

Desktops and Laptops: Available in computer labs and faculty cabins for various academic and administrative tasks.

Printers and Photocopier Machines: Distributed across labs, HOD cabins, and prominent places for document printing and copying.

Seminar Rooms: Equipped with digital facilities to facilitate interactive sessions, lectures, and competitions.

Smart Board: Utilized for interactive teaching, providing a more engaging learning experience.

Auditorium: Digitally equipped with microphones, projectors, cameras, and computer systems for events and presentations.

Online Classes: Conducted through platforms like Zoom, Google Meet, Microsoft Teams etc

Digital Library Resources: Access to resources from platforms like IEEE XPlorer, DEL NET, NLIST etc.

Use of ICT by Faculty:

PowerPoint Presentations: Encouraged to enhance teaching with multimedia content using LCDs and projectors.

Industry Connect: Seminar and conference rooms digitally equipped for guest lectures, expert talks, and competitions.

Video Conferencing: Zoom and Google Meet applications are used for counseling students.

Video Lectures: Recorded video lectures are made available for long-term learning and future reference.

Workshops: ICT tools are used for conducting workshops on the latest methods, including SPSS, programming languages, simulations, etc.

This comprehensive integration of ICT tools not only facilitates traditional teaching methods but also opens avenues for innovative and interactive learning experiences, preparing students for the technology-driven demands of the corporate world.

· The BEES ERP software provides a good platform to share all this information to the students like attendance and examination marks.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://mrecwexamcell.com/BEESERP/Login.aspx
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

178

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

The academic calendar and Teaching plan ensures the smooth functioning of the institution.

1. Academic Calendar:

- The academic calendar ensures of provision for 16 weeks of Instruction duration, in 2 spells with 8 weeks each per semester for U.G Programmes and 17 weeks of Instruction duration in 2 spells with 9 weeks in 1st spell and 8 weeks in 2nd spell for P.G Programmes, 1 week allocated for the Mid-1 & Mid-2 Internal examinations, Preparation holidays and practical examination days before the External End Semester examinations.

- The Academic Calendar is printed and displayed in the Notice Boards and College Website.

2. Teaching Plan

- The Heads of the Departments collect the subject of interest for teaching from the faculty well in advance before commencement of the semester coursework and subject allocation is done accordingly.

- Unit-wise lesson plan of the course content with specified lecture hours is prepared by the faculty and submitted to the HOD.
- The Academic plan is structured in accordance with the specifications to meet the needs of Outcome Based Education.
- Course file inclusive of the Academic Plan is prepared by each individual subject faculty before commencement of the semester.

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

178

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

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

74

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)

667

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

12

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

29

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

Examination procedures

- **The examination procedure is systematically organized with a specific set of activities, viz., issuing notifications and time-tables; student registrations for examinations; conducting examinations; evaluation, announcement of results; revaluation and issue of marks cards.**
- **Based on the recommendations of the Boards of Studies, The Principal appoints external examiners to set the question papers in the concerned subjects.**
- **Answer books of the students are encoded and sent for external valuation to process the student marks; publish results and prepare necessary marks cards.**

Processes integrating IT

- **The institution has used BEES EXAMINATION TOOL (BET) for the Examination Management System for course registration, attendance recording, entry of marks and calculation of internal marks, CO wise attainment calculations, collection and reporting of faculty feedback, publication of end examination results and the archiving of marks and grades.**

Continuous Internal Assessment system

- **Continuous Internal Assessment (CIA) includes Mid Term Examinations, Assignments, and PPT/Case Study/Poster Presentation etc for each theory course and**
- **Practical courses are done depending on their student's performance.**
- **Project work is done by final year students as team and internal evaluation also done.**

The internal assessment Grades/Marks are assigned depending on their student's performance

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	https://mallareddyecw.com/Home/Examreforms

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

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and the stakeholders.

While addressing the students, the HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors, course coordinators, program coordinators also inform the students and create awareness and emphasize the need to attain the outcomes.

The POs/PSOs of the programme are published through electronic media at individual Department site located on the college website

http://www.mallareddyecw.com/ The COs of the courses are also published through electronic media at the Department site located on the college website: http://www.mallareddyecw.com/. In all the interactions with the students, awareness on POs, PSOs and COs is consciously promoted.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://www.mallareddyecw.com/Home/Curriculum

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

Each course has a defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping ofCOs to POs and PSOs. CO-PO & PSO mapping for all the courses in the program is prepared by the program coordinator in consultation with other faculty members.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.mallareddyecw.com/assets/documents/ECE-ASSESSMENT-MANUAL.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

657

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://mallareddyecw.com/Home/Exambranchautonomous

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://www.mallareddyecw.com/Home/IQAC

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

Malla Reddy Engineering College for Women (MRECW) is committed to research and innovation through its ongoing efforts to maintain and update research facilities and a transparent policy for research promotion. By frequently updating research facilities, MRECW ensures that students and faculty have access to the latest tools and equipment. The institution's active implementation of its research policy demonstrates its dedication to ensuring that the stated principles are put into practice. Faculty members are strongly encouraged to actively engage in research and consultancy endeavors in order to generate societal effects and foster interdisciplinary collaborations. This is facilitated through the provision of seed funding and incentives. MRECW yearly conducting International conferences, is aimed to explore ongoing research in the field of current trends in Management, Engineering & Technology. A well-defined and transparent research policy encourages a research culture within the institution, promotes accountability and ethical conduct, enhances collaboration, and improves resource allocation. By actively implementing this policy and making it accessible to all stakeholders through the institution's website, the institution ensures that research is not only encouraged but also conducted with integrity. The benefits of transparent research policies include promoting

knowledge dissemination and contributing to the broader academic and scientific community.

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://www.mallareddyecw.com/Home/RandD
Any additional information	View File

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

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

696000

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

8

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	View File

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)

4090144

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

8

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.mallareddyecw.com/Home/RandD
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

3

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

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.mallareddyecw.com/Home/RandD
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.

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN has established a robust ecosystem for innovations and the promotion of the Indian Knowledge System. This includes awareness about intellectual property rights, establishment of an IPR cell, incubation center, technology transfer initiatives, research and innovation, and industry collaboration. The outcomes of these initiatives include a growing portfolio of intellectual property assets, successful projects incubated within the institution, and valuable industry linkages. MRECW is always forefront to drive innovation, protect intellectual property and transform ideas into tangible solutions for the benefit of society.

MRECW's commitment to IPR by establishment of a dedicated Intellectual Property Rights (IPR) cell. This cell serves as a centralized hub for managing and protecting intellectual property assets generated within the institution. It provides guidance on patenting, copyright, trademarks, and other aspects of IPR.

To bridge the gap between academia and industry,the institution has implemented effective technology transfer initiatives. This includes collaborating with industry partners to license or commercialize intellectual property developed by the institution.These initiatives have led to the creation of innovative products,services,and solutions that address real-world challenges.The institution encourages a culture of inquiry,curiosity,and experimentation,leading to the development of innovative solutions and technologies.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/Edcell

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

24

File Description	Documents
Report of the events	[View File](#)
List of workshops/seminars conducted during the year	[View File](#)
Any additional information	[View File](#)

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	View File

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

3.4.2.1 - Number of PhD students registered during the year

3

File Description	Documents
URL to the research page on HEI website	https://www.mallareddyecw.com/Home/RandD
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

53

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

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

314

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/RandD

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

141

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

5

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View File](#)
Any additional information	[View File](#)

3.5 - Consultancy

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

37,40,000

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

45000

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

3.6 - Extension Activities

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

MRECW innovatively designed NSS programs provides opportunities to the students to compassionately recognize and realize the problems of the neighborhood communities which assist in developing interpersonal relationships, leadership traits, organizing skills, understanding the life of underprivileged community and inculcate moral and human values among the students.

Extension activities, conducted by the National Service Scheme (NSS), are instrumental in sensitizing students to social issues and promoting holistic development. The impact of these activities using the four case studies as :

COVID-19 Measures - Masks & Sanitizers Distribution:

Case Study: In response to the COVID-19 pandemic, MRECW students distributed masks and sanitizers to vulnerable communities.

Impact: This initiative was critical during the pandemic, as it helped protect the health of many vulnerable individuals. Students gained a sense of purpose and responsibility while learning about the importance of community service in times of crisis. : Through this comprehensive initiative, students not only gained a deeper understanding of these issues but also helped the community. They sensitized people about COVID-19 precautions, hygiene, and the importance of vaccinations. Child education and awareness of government schemes improved the lives of many, while the cleanliness and plantation drives enhanced the environment.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/Events

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

12

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	[View File](#)

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)

12

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

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

2235

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

3.7 - Collaboration

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

18

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

20

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	View File

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.

Institution has the required physical infrastructure and resources for the teaching-learning process. One of the top women colleges in Telangana State is Malla Reddy Engineering College for Women (MRECW) & which is established in year 2008. The college is permanently affiliated with JNTUH and within the area 10-acre of campus,with 8 undergraduate and 3postgraduate programs are being offered by the college. Modern infrastructure at MRECW fosters a culture of advancement in education and professional growth.

Classrooms:

There are 66 Classrooms which are equipped with ICT facilities. LCD Projectors or Smart boards are available with Wi-Fi and LAN in every class room to facilitate effective Teaching-Learning. The classrooms are architecturally designed with optimal room for natural light and air.

Laboratories:

- **The College believes in imparting strong practical exposure to the students.**
- **Modern laboratories contain LCD projectors with air conditioners**
- **Software that is both licensed and open-source are installed in computer labs.**
- **The College keeps upgrading the facilities and equipment in the laboratories.**

Computing Equipment:

The institute is maintaining 2:1 student computer ratio with 1970 computers for students. Every computer lab has a full-fledged UPS and also backed up with six generators.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/Home/InfrastructureFacilities

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor

and outdoor) including gymnasium, yoga centre, auditorium etc.)

The college has Cultural committee comprising of faculty and students as members. The student members are formed into a group named Student Cultural Club (SCC). SCC is having different clubs such as DANCE CLUB, SINGING CLUB, COMEDY CLUB and PHOTOGRAPHY CLUB.

YOGA classes are arranged every day at Open yoga center for the students by yoga teacher. And also BHRAMMA KUMARI's team visits the college to conduct stress free training.

Institute has Meditation centre within the campus itself, Meditation can give a sense of calm, peace and balance that can benefit both emotional well-being and your overall health.

Students are encouraged to participate in Sports Competitions based on their interests and abilities.

Outdoor Games:

- Cricket Stadium
- Basket Ball Court
- Volley Ball Court
- Throw Ball Court
- Tennis Court
- Tennicoit
- Kho - Kho
- Kabaddi
- Short Put Court

Indoor Games:

- Table Tennis
- Chess
- Caroms

A huge indoor and outdoor gym facility with spaces designated for training with weights, power lifting, and cardiovascular exercises is also available.

The College has huge, well-furnished Auditorium with 2000 seating capacities and a Mini Auditorium with 200 seating capacities, Multimedia facilities & centralized air condition.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/Home/Sports

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

60

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)

266.08

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

4.2 - Library as a Learning Resource

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

ILMS software: New Gen Lib Helium Library Software (NGL)

Nature of automation (full or partial): Fully

Version: 3.2

Year of automation: 2016

The Central Library of MRECW was established in the year 2008 along with the College and operated manually till the year 2016. The Library was automated in second semester of 2016 by using world famous Software New Gen Lib Helium Library (NGL). The latest version of New Gen Lib is 3.2 released in 2020.

Digital Library:

- ○ Digital library is functioning with 45 computers.
- ○ All the subscribed e-resources like e-journals, DELNET, Digital Library, IEEE-ASPP, INFLIBNET, J-GATE, e-books, e-database, etc. are available which can be accessed through IP based and from remote location.

Details of Library:

S .No

Resources

Quantity

1

Total Number of Volumes

32252

2

Total Number of Titles

6423

3

Total Print -National Journals

66

4

International Journals

18

5

E-Journals (IEEE Xplore Digital Library(ASPP) ,Springer
Collection, J-Gate-Engineering & Management Collection)

29402

7

NPTEL Video Lectures

773

8

Back Volumes

29552

9

Project Reports

150

10

Total No. of DVD's &CD's

1861

11

Daily News papers

5

12

Reading room seating capacity

200

13

Total number of References

3640

14

Reprographic Facility

Available

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	[https://www.mallareddyecw.com/Home/Library infra](#)

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources   **A. Any 4 or more of the above**

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)

19.47

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

300

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 Statement

MRECW (UGC Autonomous) institute offers a wide range of IT amenities and services, including a state-of-the-art networking environment, to support students and staff in learning, research, teaching, and administration. The institute provides services such as powerful central servers, web-based email applications, internet security systems, anti-virus software, and network services. The IT policy covers IT administration, hardware, software, networking, IoT, AI, database management, electronic communication systems, IT usage, cyber security, and maintenance guidelines. Sufficient annual budget allocation is made for the creation and maintenance of IT infrastructure. The IT policy is implemented to develop facilities and update them periodically to keep up with changing times.

LAN and Wi-Fi:

The campus is networked through 1000 mbps (LAN) and 10 Gbps fiber, while computer labs are connected with 1 Gbps network switches with fiber optics as backbone connectivity. Video surveillance

systems are utilized to maintain privacy and reduce crime threats.

Cyber Security

Firewall security is ensured through Sophos firewall XG450, and application level bandwidth and quota management are scheduled. IPS, content filter, and AV scanning are used in gateway mode. Authentication-based user access is provided, and group-based security policies are assigned to different user groups to prevent threats.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3184	1071

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. ?50 Mbps

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

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/Home/EContent
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)

99.33

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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.

Laboratory

The equipment in the laboratories are maintained under three schemes.The College offers annual maintenance contracts for sensitive equipment, calibration, and practical exposure to students. Modern laboratories feature LCD projectors, licensed and open-source software, and continuous upgrades.

Library

The computerized central library houses 32252 books, 84 journals, 29402 e-journals, 6423 titles, and 29552 BACK Volumes.It's open for an hour per week, remote access, and includes a weekly class timetable.

Sports

The institution sponsors sports uniforms and allowances for students, encouraging them to participate in competitions based on their interests and abilities, every day until 6 PM.

Outdoor Games:

- Cricket Stadium
- Basket Ball Court
- Volley Ball Court
- Throw Ball Court
- Tennis Court
- Tennicoit
- Kho - Kho
- Kabaddi

Indoor Games:

- Table Tennis
- Chess
- Caroms

Computers

The institution provides adequate computers for students, faculty, and departments, with internet-enabled computers in all rooms and departments. A Computer Maintenance Cell, led by faculty and System Administrators, maintains IT infrastructure, and Wi-Fi facilities are available for all.

Classrooms

Classrooms follow master timetables, feature LCD projectors with Wi-Fi and LAN, and are architecturally designed for optimal natural light and air, with annual service by approved vendors.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/assets/documents/SERVICE%20RULES.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

1673

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

79

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	https://www.mallareddyecw.com/assets/documents/20-21Events.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

606

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

584

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

22

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

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

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

22

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

7

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

MRECW encourages student participation in decision-making to improve the academic environment. This is achieved through various academic and administrative bodies, including the Internal Quality Assurance Cell, Executive Bodies of Professional Student Chapters, Co-curricular Activities Coordinators, Class Review Committee,

Library Committee, EDC Innovation Cell Club, Cultural Clubs, Literary Club, Sports Committee, NSS Club, Women Protection Cell Committee, Antiragging Committee, Grievance Redressal Cell Committee, SC/ST Committee, Alumni Association, Hostel Committee, Canteen Committee.

The Internal Quality Assurance Cell promotes quality initiatives, while the Executive Bodies of Professional Student Chapters coordinate technical events, paper presentations, code design contests, idea presentations, hackathons, robotics exhibitions, project exhibitions, poster presentations, business quiz competitions, and elocution competitions. The Class Review Committee reviews academic activities, progress, and improvement plans, while the Library Committee procures new titles and resources.

Cultural Clubs, such as Dance, Singing, Visualgraphics Club, Literary Club, Sports Committee, NSS Club, Women Protection Cell Committee, Antiragging Committee, Grievance Redressal Cell Committee, SC/ST Committee, Alumni Association, Hostel Committee, and Canteen Committee, provide suggestions for sports activities, address infrastructure issues,address student grievances.

In conclusion, the college values student participation in decision-making to create a better academic environment. By involving students in various committees, the college fosters inclusive learning environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/Home/StudentsChapters

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

15

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

5.4 - Alumni Engagement

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

The MRECW Alumni Association aims to foster a strong connection between students, faculty, and the institute for mutual benefit and synergy. Its objectives include maintaining a register of alumni, promoting lifelong relationships, and facilitating professional knowledge exchange. The association also organizes technical conferences, seminars, workshops, and training courses, providing career development and guidance.

The MRECW Alumni Association serves as a platform for building a professional network driven by ideals and values, improving current and future professional integration and motivational capital for MRECW and its students. Its mission is to connect existing alumni with the college, promote exchange of academic and corporate experience, mentor students seeking better opportunities, and promote goodwill and pride.

The association has 6000+ members and aims to connect alumni with the institution, build synergistic plans, and add value to all stakeholders. It conducts an annual Alumni Meet, where alumni from all branches can express their thoughts and suggestions on their course scope and professional world. This allows alumni to reconnect and share their experiences and memories.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.mallareddyecw.com/Home/Alumni

5.4.2 - Alumni's financial contribution during the year

E. <2 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

VISION:

- **Visualizing a great future for the intelligentsia by imparting state-of the art Technologies in the field of Engineering and Technology for the bright future and prosperity of the students.**
- **To offer world class training to the promising Engineers.**

MISSION:

- **To nurture high level of Decency, Dignity and Discipline in women to attain high intellectual abilities.**
- **To produce employable students at National and International levels by effective training programmes.**
- **To create pleasant academic environment for generating high level learning attitudes.**

The Institute adopts a transformative approach, aiming for "Education for total transformation" while prioritizing excellence. Emphasizing "Knowledge and Skills," "Honourable living," and "Societal and Economic Growth," it integrates these core aspects into its teaching methodology.

Faculty engagement in governance is pivotal for success, supported by qualified administrators implementing NEP-2020 in line with the institution's Vision, Mission, and Goals.

Leadership adheres to AICTE, UGC, and JNT University guidelines, forming committees as per UGC and AICTE directives. The administration involves academics and staff in system development, assigning faculty to statutory bodies. Inputs from alumni and stakeholders drive innovation in academics, industry interactions, and placements.

Regular audits and a Quality Assurance Framework ensure continuous

enhancement in academic and administrative policies, fulfilling the objectives.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.mallareddyecw.com/

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

The institution assigns tasks from top to bottom for management, administration, finances, and academics.

Regulatory organizations require the Governing Body, Academic Council, Finance Committee, and Board of Studies to perform specified duties.

Principals manage learning and academics. Principals ensure balanced, high-quality education. Principal oversees Institute growth and strategy. HODs and deans help colleges run.

Case Study: CODER-21

Under CSI Student chapter of Malla Reddy Engineering College for Women (Autonomous) organized the CODER-21 challenge on 13th March-2021.

- The main aim is to fostering their coding skills. Participants typically tackle a series of coding problems within a set time frame, showcasing their problem-solving abilities and creativity.
- The challenge often provides a platform for learning, collaboration, and recognition within the coding community. It's a wonderful opportunity for young minds to shine and further their expertise in the world of programming.

- The Academic Committee finalized faculty and student committees for coder-21 challenge.

- Faculty Committees:
    - Brochure Preparation
    - Registration
    - Transportation

- ○ **Report, Media, and Photographs**
- ○ **Finance**
- ○ **Venues Arrangement**
- ○ **Student Committees:**
  - ○ **Hospitality**
  - ○ **Registration**

More than 500 Students participated in coding contest.

Faculty and student committees' decentralized and participatory management made the e-summit successful.

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://www.mallareddyecw.com/Home/MRECW_Committees

6.2 - Strategy Development and Deployment

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

The institute follows a well-defined Organisation with a hierarchical structure, which makes participatory administrator easier.

The principal carries out academic administration and management through well-established statutory/non-statutory agencies. Various administrative entities control the institution.

The institutional perspective plan is effectively deployed

- **Institution has a strong Strategic plan aiming at clearly formulated objectives.**
- **Achieving Academic excellence by curriculum design.**
- **Innovative research and knowledge exploration for social needs.**
- **Improving all round Personality of the students with Global Vision & Social responsibility.**

- **Establishing Centre of Excellence.**
- **Excellence in Research, Innovation and Creativity for high impact.**
- **Enhancing relations with industry, alumni, and society.**
- **Enhancing employability and promoting entrepreneurial initiatives.**
- **Committed to social, economic, and environmental sustainability.**
- **Ensuring excellence in Organisational Leadership and governance.**

The plan is implemented through daily activities, resource allocation, and stakeholder engagement. Periodic performance and quality indexes help achieves strategic goals. To achieve long-term goals, the Institute's IQAC examines Strategic Plan and Policy implementation and makes corrections. The perspective plan evaluates the institution's mission, vision, and goals. The Strategic Plan ensures aims are met through assessment, evaluation, reporting, and re-planning.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/MRECW_Committees
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 institution is governed by a multifaceted administrative structure comprising several key bodies.

Governing Body:

The Governing Body oversees organizational management, approving crucial documents like the annual budget and long-term plans. Renowned for its efficient administrative practices and positive work culture, it ensures the institute's smooth functioning.

Academic Council:

The Academic Council, responsible for maintaining educational standards, coordinates teaching, research, evaluations, student admissions, training, alumni engagement, and curriculum enhancements. It focuses on innovation, R&D, industry collaborations, internships, and skill development.

Board of Studies:

The Board of Studies designs course syllabi aligning with the college objectives, stakeholder interests, and national requirements, subject to approval by the Academic Council.

Finance Committee:

The Finance Committee advises the Governing Body on budget estimates, grants, fees, and audits related to autonomous activities.

This well-structured setup is further detailed on the website, delineating the functions of these governing bodies. Additionally, the institute adheres to established service rules, recruitment, promotional policies, and regulations within the frameworks of AICTE, UGC, State Government, and the affiliating university, which are approved by the Governing Body of the Institute.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.mallareddyecw.com/assets/ORGANIZATION_CHART%20%20MRECW%20FINAL.pdf
Upload any additional information	View File
Paste link for additional Information	https://www.mallareddyecw.com/assets/documents/SERVICE%20RULES.pdf

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) 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

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression.

The Institution provides effective welfare measures to both teaching and non-teaching staff. Statutory welfare measures are implemented. Various monetary, non-monetary measures towards personal and professional growth are being followed to the satisfaction of the employees.

The various welfare schemes are as follows:

- **Maternity benefits as per norms**
- **Child Care**
- **Management rewards the faculty members to improve their research output through excellent publications during the academic year with research incentives.**
- **Subsidized medical facilities**
- **Non-teaching staff are provided with ESI facilities.**
- **Concessional on Transport and Medical facilities for all the staff.**
- **Sports, gym and yoga facilities are provided for staff.**
- **Group Life Insurance.**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/

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

19

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

11

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.)

36

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institute prioritizes meticulous financial planning through

engagement with academic departments and administrative sections, strictly following a "No-Cash" transaction policy. It upholds financial rules and government regulations, operating under the guidelines laid down by the Government of India (GOI) and subject to annual external audits by chartered accountants. Additionally, funds from the government undergo separate audits by government-appointed auditors.

Internal audits occur semi-annually, executed by an internal financial audit committee comprising the Principal, Dean of Administration, Accounts Officer, and Assistants. This committee verifies income sources, expenses, due bills, and deductions like Income Tax, TDS, PF, PT, and GST, scrutinizing invoices and financial records.

External audits, mandated by government regulations, ensure compliance with financial norms. Chartered accountants conduct these audits, authorizing payments and submitting reports to management for review. Any audit-related queries are promptly addressed with supporting documentation within specified time frames. These stringent mechanisms aim to maintain transparency, financial integrity, and discipline across all levels of the institution, preventing misappropriation of funds or assets. Audited statements bear the signature of the chartered accountant, affirming the institution's financial credibility.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/

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)

10.98334

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

MRECW (Autonomous) annually strategizes fund allocation sourced primarily from student fees, government grants, and non-government bodies, adhering to Telangana State fee guidelines.

The finance team, comprising management, principal, and the budget committee, oversees resource utilization and manages funds.

Department heads, administrative officers, and librarians must submit budget requests to management annually. Finance and Budget committee analyses submitted materials and submits best summary to Governing Body for approval. Following approval, the Budget plan takes effect. The money are used to buy equipment, computers, software, chemicals, consumables, non-consumables, machines, etc.

The finance committee reviews resource use, quotations, and purchase orders. It audits budgets, usage, spending, accounts, etc. They suggest better resource management and fund mobilization. It maintains fund consumption within limits. Management supports skill enhancement programs, allowing funds to exceed budgets based on need and recommendations.

Funds cater to diverse needs like staff incentives, emergency situations, workshops, conferences, and maintenance across departments, including library, office, and computer upkeep. Additionally, the college secures extra funds from research agencies (AICTE, UGC, SERB) for departmental projects and gains support from industries for consultancy services, empowering advanced lab upgrades and research initiatives. Utilization certificates are provided upon project completion to respective agencies.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.aceec.ac.in/wp-content/uploads/2020/07/COURSE-FEE.pdf

6.5 - Internal Quality Assurance System

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

improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Malla Reddy Engineering College for Women (Autonomous) is committed in its endeavour to improve the quality of the teaching-learning, continuous education, research and life-long learning. The institute has a strategic plan to promote and develop measure for constituting quality enhancement practices to improve the overall performance of the college.

The Institute established a quality monitoring cell to foster the activities that are necessary to increase the quality standard in the teaching learning process. A formal Internal Quality Assurance Cell was setup as per the guidelines. The IQAC has been instrumental in planning, reviewing, following up and setting up quality indicators and reviewing the procedures periodically for achieving and maintain quality.

Some of the strategies adopted by the IQAC for institutionally quality include:

- New Courses CSE-AIML, CSE-DS, CSE-CS, and CSE-IOT are added.
- Attendance monitoring and feedback through SMS;
- Examination reforms-Blooms Taxonomy;
- Alignment with NBA & NAAC quality initiative;
- Project Based Learning;
- Conduct of co-curricular & extra-curricular activities through committees/cells;
- Usage of ICT Tools;
- Online Training Programs with industry experts;
- Research & Development committee encourages the faculty and students to participate in Conferences, Seminars, and Technical competitions etc.,
- Industry Interaction;
- Induction Program for newly appointed faculty;

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/Home/IQAC

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

The IQAC conducts annual academic audits to oversee teaching and

learning approaches. This includes:

- Regular academic audits ensuring effective teaching methods and proper course file maintenance.
- Orientation Programme for new students- covering education system specifics, continuous evaluation, core courses, co-curriculars, facilities, discipline, and institute culture.
- Providing semester course schedules and syllabi to students before each semester.
- Preparing lesson plans before semesters start and periodic monitoring by HOD with corrective suggestions.
- Verification of internal test analysis and question papers.
- Arranging special evening classes for weaker students.
- Identifying new delivery methods for quality enhancement.
- Encouraging faculty participation in online certification courses.
- Taking student feedback at course end for teaching improvement.
- Collecting stakeholder feedback (students, alumni, industry experts, parents).

Teaching-learning reforms reviewed and implemented through IQAC include:

- Guest lectures by academic and industry experts on advanced topics.
- Practice of emerging technologies through mini projects and term projects.
- Faculty development via workshops, orientations, seminars, and conferences.
- Establishing MoUs with prestigious institutes, universities, and government agencies.
- Conducting department-wise academic audits.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/

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

A. Any 4 or all of the above

institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.mallareddyecw.com/Home/IQAC
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

MRECW, a college with 100% women students and 60% women faculty, prioritizes the safety of its female students through various initiatives. The curriculum includes a mandatory Gender Sensitization course, lectures on education importance, women's rights, and domestic violence, along with cultural activities and an annual celebration of International Women's Day.

In terms of safety and security, the institution provides secure parking and hostels, comfortable classrooms, and operates a Women's Protection Cell, Grievances Redressal Cell, Internal Complaints Committee, Anti-Ragging committee, and Disciplinary committee. Faculty members have rotational duty for discipline and security, and there's a dedicated security wing with CCTV surveillance and strict safety measures.

Counselling services are offered through a Mentoring and Counselling Cell, including psychological counselling and programs focusing on women's safety and empowerment. The institution also prioritizes health, with sick rooms in every block, faculty providing immediate medical assistance, and a 24x7 ambulance service.

This holistic approach, emphasizing safety, education, and well-

being, creates a nurturing environment for female students to thrive academically and personally.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.mallareddyecw.com/

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)

Malla Reddy Engineering College for Women has designed methods for the management of waste generated in the campus using the basic waste management strategy of 3R's: Reduce, Reuse and Recycle i.e., Reduce the amount of waste generated, Reuse everything to its maximum after proper segregation and cleaning and keeping things which can be Recycled aside and handed over to appropriate agencies.

- Liquid waste that is generated in the institute falls into three following categories.

1. Septic tank effluents from various sanitary blocks, water used for washing and cleaning of utensils etc. from canteen
2. Wastewater from RO plant

As the college is located in rural un-sewered area, waste water generated from the sanitary facilities is disposed off into septic tanks located at different places in the campus and their effluents combined with canteen waste water is used for gardening, watering trees etc.

- ○ **Biomedical waste management: No bio medical waste produced**

- ○ **E-Waste Management:**

The College has taken MOU with EARTH BOX for proper disposal of all kinds of electronic waste, such as batteries, cells, obsolete electronic devices, computers, monitors and printers, UPS etc. E-waste management and disposal committee members take initiatives to manage the waste in the campus.

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: **A. Any 4 or All of the above**

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions/awards**
5. **Beyond the campus environmental promotional activities**

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	No File Uploaded
Any other relevant information	View File

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,

A. Any 4 or all of the above

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).

Malla Reddy Engineering College for Women, Autonomous, embraces "unity in diversity" at its city-based campus. Actively fostering inclusivity, the institution encourages students from diverse states, religions, and cultures to participate in events, creating a 'home away from home' atmosphere. Initiatives promoting tolerance include cultural festivals, technical fests, and sports events. The campus celebrates regional festivals and provides separate prayer rooms for diverse religious practices. National holidays and tributes honour prominent figures, fostering a sense of enthusiasm. Linguistic diversity is addressed through competitions and mentorship programs. Food, an integral aspect of culture, is prioritized, with a food fest catering to varied palates. Inclusive spaces, lift and ramp facilities, and gender sensitization programs contribute to a welcoming environment. The college emphasizes inclusion by supporting students from rural and underprivileged backgrounds in alignment with its vision. Faculty recruitment considers linguistic diversity. The NSS unit engages in social responsibility through field trips, camps, and awareness programs, promoting harmonious living. The college offers skill and personality development courses, reinforcing its commitment to holistic student development.

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:

Malla Reddy Engineering College for Women (MRECW) prioritizes constitutional education for staff and students through both academic and extracurricular avenues. The curriculum incorporates classes dedicated to constitutional duties, supplemented by motivational speeches and flag hoisting ceremonies during national festivals. Distinguished speakers are invited to discuss freedom fighters and citizen responsibilities. MRECW's Institute Innovation Council (IIC) conducts regular programs, seminars, and workshops to educate women on their rights and national obligations. Mandatory subjects such as Indian Constitution, Human Values, Professional Ethics, Intellectual Property Rights, Traditional Knowledge, and Environmental Studies sensitize students to constitutional duties. Republic Day and Independence Day celebrations include activities highlighting the significance of the Indian Constitution and the struggles for freedom. Seminars on crucial topics like Right to Information, Sexual Harassment, and Gender Equity are conducted periodically, contributing to a well-rounded awareness of constitutional responsibilities among the MRECW community.

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

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

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

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

Malla Reddy Engineering College for Women's college that prioritizes women's empowerment(https://www.mallareddyecw.com/). The college has a long history of fostering women's empowerment, in which women are nurtured to realize their full potential and develop leadership skills. The College encourages students to question gender-biased attitudes, change behaviors impeding academic performance. The sprawling campus spread with lot of greenery and open space for garden and sports facilities provides spaces for intellectual stimulation very central to women students who are able to go out of the confined spaces of their home and develop their potential. (https://www.mallareddyecw.com/Home/InfrastructureFacilities/).

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

Malla Reddy Engineering College for Women has adopted two villages through the National Service Scheme (NSS) Units to focus on healthcare, environmental, and social factors. The college aims to

create awareness about health, sanitation, hygiene, and government schemes, identify potential for village growth, and develop leadership qualities among students. Students visit the villages, conduct surveys, and organize social, environmental, and health awareness drives. As a result of this practice the students of the institution have acquired the quality of being associated with society and social issues. Malla Reddy Engineering College for Women, aims to provide value-added certifications in technology and communication to enhance students' employability. The college focuses on building the bridge between industry and academia, providing training in high-demand trades with good job prospects, and offering tutorials and programming lab practice. It also provides timed programming tests to serve as mock tests for the actual placement process. The college offers seminars to enhance students' soft skills before entering the industry, and provides practical knowledge in Computer Networking and Operating systems. Additional training sessions are provided for full-stack, machine learning, and deep learning. Additionally, the college develops LSWR skills through value-added English communication certifications such as Cambridge, Oxford, and Pearson.

File Description	Documents
Best practices in the Institutional website	https://www.mallareddyecw.com/assets/documents/bestpractices.pdf
Any other relevant information	https://www.mallareddyecw.com/

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)

Skill Development and Placement:

Malla Reddy Engineering College for Women's Training & Placement Cell is dedicated to preparing students for successful recruitment processes. Emphasizing engagement with the business community, the cell ensures a fruitful journey for MRECW students by focusing on pre-placement instruction, both technical and non-technical. The cell offers various skill development programs for personality enhancement, aiming to maximize students' potential and boost self-confidence.

The college's objectives include providing training in high-demand

trades, conducting timed programming tests for mock placement experiences, and ensuring overall development through appropriate skilling mechanisms. Practical application of classroom concepts is facilitated through virtual and physical experiences in real-time industry situations. The cell also enhances students' IQ levels through aptitude practice-related training and emphasizes seminars for intensive exposure to topics, fostering soft skills essential for industry entry. Additionally, practical knowledge in Computer Networking and Operating Systems is promoted through CISCO Certifications, further enriching the students' skill set.

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.

The Primary objective of the institution is to nurture High Quality Engineering Professionals to meet the global needs.

Process for Curriculum Design:

- **Initial inputs are obtained from the Course Coordinators for each course, on discussion with the faculty handling the same course for betterment.**
- **The Department Academic Committee, mainly focusing to the local, national, regional and global developmental needs as introduction of new courses with the suggestions from various stakeholders to meet.**
- **The Draft curriculum submitted to the Board of Studies (BOS), for review, refinement and approval.**
- **The BOS approved curriculum is then put forth for approval/ratification by the Academic Council, the Curriculum is displayed in the college website and Bees ERP Software.**

Implementation of COs with POs and PSOs in Curriculum:

- **All Course Outcomes (COs) of every course are mapped with the Program Outcomes (POs) and Program Specific Outcomes (PSOs) of UG/PG programme .**
- **Attainment of PEOs, specific to each Programme is measured directly through the success rate of the graduating engineers, indirectly through stakeholders feedback survey.**
- **The Institution regularly monitors the attainments of COs, POs and PSOs of all the programs and suitable actions are taken to meet target level.**

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	https://www.mallareddyecw.com/Home/Curriculum

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

3

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	[View File](#)
Details of syllabus revision during the year	[View File](#)
Any additional information	[View File](#)

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

147

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

147

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

3

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

1. Curriculum Design

MRECW reviews and revise their existing curriculum to identify gaps and opportunities for integrating cross-cutting issues and value frameworks.

a. Human Values and Professional Ethics

A mandatory course to all the UG students to follow values and ethics.

b. Gender Sensitivity

A mandatory course is inducted into the curriculum for all the engineering programs. The course aims to develop students' sensibility regarding issues of gender in contemporary society and provide a significant perspective on the socialization of men and women.

c. Environment and Sustainability

A mandatory course on Environmental Science is included in all UG programmes to enable the students to learn about the concept of ecosystem and biodiversity.

2. National Education Policy – 2020 into the Curriculum

a. Interdisciplinary Approach: As per NEP 2020,MRECW encourages an interdisciplinary approach to learning by facilitating collaboration between different subject departments.

b. Practical Projects and Innovative Product Development: MRECW allow students to explore and apply their learning to real-time scenarios.

3. Sustainable Development of Goals

a. Collaborations and Partnerships: MRECW participate actively in collaborating with various agencies and corporate organizations

b. Monitoring and Feedback:MRECW continuously monitor the effectiveness of the integration and seek feedback from stakeholders.

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	View File

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

22

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

12254

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

1579

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

1.4 - Feedback System

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.mallareddyecw.com/Home/Feedback
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://www.mallareddyecw.com/Home/Feedback
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

1024

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)

725

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.

MRECW students learning levels are identified by their respective Faculty Counsellors based on their performance in the qualifying examination, earlier academic performance to assess their learning abilities, and further communicated to the concerned subject faculty; the students are actually divided into slow, average and advanced learners.

Special Programmes for slow learners:

- Remedial classes are conducted with proper schedules to improve their performance.
- The Faculty members revise the topics as requested by the students, provide question bank, train in answering the questions to score good marks.
- Students with poor soft skills and communication skills are identified by the English faculty and are given special emphasis.
- Assistance for weak students:
    - Faculty regularly follow their progress and counsel them to attend the classes.
    - Periodical tests are conducted and special assignments and tutorials are given.
    - Help them to solve previous years question papers.

Special Programmes for advanced learners:

- Coding abilities are enhanced by extra practice especially through the coding tool- Code Tantra.
- Advanced learners are participated in Idea Presentations and Hackathons, workshops, seminars, paper presentation and international conferences, co-curricular activities also take up additional courses like NPTEL, MOOCs, Coursera, TCS ION, NASSCOM, participates in etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	mallareddyecw.com

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2020	3184	178

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 institution has well adopted centric methods for all round development of students.

Centric methods - Experiential Learning- Participative Learning

1. Innovative Product development for creative Idea implementation.

2. Industrial/Field visits, practical Training/Internship at Industry.

3. Laboratory courses in the curriculum.

4. Project based Learning methods.

5. Mini projects and Major projects.

6. Hackathon participations.

7. Project Exhibitions.

8. Mock Interviews.

9. Value Added Certification Courses.

10. Participation in professional Bodies activities of IEEE, ISTE,CSI and IETE.

Problem Solving Methodologies

- Giving Assignments and Tutorials with innovative Questions after each unit.
- Case study Analysis and Discussions.
- Coding practice through Code Tantra.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.mallareddyecw.com/Home/InfrastructureFacilities

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

Projectors: Used in different classrooms and labs for dynamic presentations and multimedia content delivery.

Desktops and Laptops: Available in computer labs and faculty cabins for various academic and administrative tasks.

Printers and Photocopier Machines: Distributed across labs, HOD cabins, and prominent places for document printing and copying.

Seminar Rooms: Equipped with digital facilities to facilitate interactive sessions, lectures, and competitions.

Smart Board: Utilized for interactive teaching, providing a more engaging learning experience.

Auditorium: Digitally equipped with microphones, projectors, cameras, and computer systems for events and presentations.

Online Classes: Conducted through platforms like Zoom, Google Meet, Microsoft Teams etc

Digital Library Resources: Access to resources from platforms like IEEE XPlorer, DEL NET, NLIST etc.

Use of ICT by Faculty:

PowerPoint Presentations: Encouraged to enhance teaching with multimedia content using LCDs and projectors.

Industry Connect: Seminar and conference rooms digitally equipped for guest lectures, expert talks, and competitions.

Video Conferencing: Zoom and Google Meet applications are used for counseling students.

Video Lectures: Recorded video lectures are made available for long-term learning and future reference.

Workshops: ICT tools are used for conducting workshops on the latest methods, including SPSS, programming languages, simulations, etc.

This comprehensive integration of ICT tools not only facilitates traditional teaching methods but also opens avenues for innovative and interactive learning experiences, preparing students for the technology-driven demands of the corporate world.

· The BEES ERP software provides a good platform to share all this information to the students like attendance and examination marks.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://mrecwexamcell.com/BEESERP/Login.aspx
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

178

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

The academic calendar and Teaching plan ensures the smooth functioning of the institution.

1. Academic Calendar:

- **The academic calendar ensures of provision for 16 weeks of Instruction duration, in 2 spells with 8 weeks each per semester for U.G Programmes and 17 weeks of Instruction duration in 2 spells with 9 weeks in 1st spell and 8 weeks in 2nd spell for P.G Programmes, 1 week allocated for the Mid-1 & Mid-2 Internal examinations, Preparation holidays and practical examination days before the External End Semester examinations.**

- **The Academic Calendar is printed and displayed in the Notice Boards and College Website.**

2. Teaching Plan

- **The Heads of the Departments collect the subject of interest for teaching from the faculty well in advance before commencement of the semester coursework and subject allocation is done accordingly.**

- **Unit-wise lesson plan of the course content with specified lecture hours is prepared by the faculty and submitted to the HOD.**
- **The Academic plan is structured in accordance with the specifications to meet the needs of Outcome Based Education.**
- **Course file inclusive of the Academic Plan is prepared by each individual subject faculty before commencement of the semester.**

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

178

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

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

74

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)

667

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

12

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

29

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

Examination procedures

- The examination procedure is systematically organized with a specific set of activities, viz., issuing notifications and time-tables; student registrations for examinations; conducting examinations; evaluation, announcement of results; revaluation and issue of marks cards.
- Based on the recommendations of the Boards of Studies, The Principal appoints external examiners to set the question papers in the concerned subjects.
- Answer books of the students are encoded and sent for external valuation to process the student marks; publish results and prepare necessary marks cards.

Processes integrating IT

- o **The institution has used BEES EXAMINATION TOOL (BET) for the Examination Management System for course registration, attendance recording, entry of marks and calculation of internal marks, CO wise attainment calculations, collection and reporting of faculty feedback, publication of end examination results and the archiving of marks and grades.**

Continuous Internal Assessment system

- o **Continuous Internal Assessment (CIA) includes Mid Term Examinations, Assignments, and PPT/Case Study/Poster Presentation etc for each theory course and**
- o **Practical courses are done depending on their student's performance.**
- o **Project work is done by final year students as team and internal evaluation also done.**

The internal assessment Grades/Marks are assigned depending on their student's performance

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://mallareddyecw.com/Home/Examreforms

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

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and the stakeholders.

While addressing the students, the HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors, course coordinators, program coordinators also inform

the students and create awareness and emphasize the need to attain the outcomes.

The POs/PSOs of the programme are published through electronic media at individual Department site located on the college website http://www.mallareddyecw.com/ The COs of the courses are also published through electronic media at the Department site located on the college website: http://www.mallareddyecw.com/. In all the interactions with the students, awareness on POs, PSOs and COs is consciously promoted.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	[View File](#)
Link for additional Information	https://www.mallareddyecw.com/Home/Curriculum

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

Each course has a defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping ofCOs to POs and PSOs. CO-PO & PSO mapping for all the courses in the program is prepared by the program coordinator in consultation with other faculty members.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.mallareddyecw.com/assets/documents/ECE-ASSESSMENT-MANUAL.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

657

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://mallareddyecw.com/Home/Exambranch autonomous

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://www.mallareddyecw.com/Home/IQAC

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

Malla Reddy Engineering College for Women (MRECW) is committed to research and innovation through its ongoing efforts to maintain and update research facilities and a transparent policy for research promotion. By frequently updating research facilities, MRECW ensures that students and faculty have access to the latest tools and equipment. The institution's active implementation of its research policy demonstrates its dedication to ensuring that the stated principles are put into practice. Faculty members are strongly encouraged to actively engage in research and consultancy endeavors in order to generate societal effects and foster interdisciplinary collaborations. This is facilitated through the provision of seed funding and incentives. MRECW yearly conducting International conferences, is aimed to explore ongoing research in the field of current trends in Management, Engineering & Technology. A well-defined and transparent research policy

encourages a research culture within the institution, promotes accountability and ethical conduct, enhances collaboration, and improves resource allocation. By actively implementing this policy and making it accessible to all stakeholders through the institution's website, the institution ensures that research is not only encouraged but also conducted with integrity. The benefits of transparent research policies include promoting knowledge dissemination and contributing to the broader academic and scientific community.

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://www.mallareddyecw.com/Home/RandD
Any additional information	View File

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

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

696000

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

8

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	View File

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)

4090144

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

8

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.mallareddyecw.com/Home/RandD
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

3

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

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.mallareddyecw.com/Home/RandD
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.

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN has established a robust ecosystem for innovations and the promotion of the Indian Knowledge System. This includes awareness about intellectual property rights, establishment of an IPR cell, incubation center, technology transfer initiatives, research and innovation, and industry collaboration. The outcomes of these initiatives include a growing portfolio of intellectual property assets, successful projects incubated within the institution, and valuable industry linkages. MRECW is always forefront to drive innovation, protect intellectual property and transform ideas into tangible solutions for the benefit of society.

MRECW's commitment to IPR by establishment of a dedicated Intellectual Property Rights (IPR) cell. This cell serves as a centralized hub for managing and protecting intellectual property assets generated within the institution. It provides guidance on patenting, copyright, trademarks, and other aspects of IPR.

To bridge the gap between academia and industry,the institution has implemented effective technology transfer initiatives. This includes collaborating with industry partners to license or commercialize intellectual property developed by the institution.These initiatives have led to the creation of innovative products,services,and solutions that address real-world challenges.The institution encourages a culture of inquiry,curiosity,and experimentation,leading to the development of innovative solutions and technologies.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/Edcell

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

24

File Description	Documents
Report of the events	[View File](#)
List of workshops/seminars conducted during the year	[View File](#)
Any additional information	[View File](#)

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	View File

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

3.4.2.1 - Number of PhD students registered during the year

3

File Description	Documents
URL to the research page on HEI website	https://www.mallareddyecw.com/Home/RandD
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

53

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

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

314

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/RandD

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

141

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

5

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View File](#)
Any additional information	[View File](#)

3.5 - Consultancy

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

37,40,000

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

45000

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

3.6 - Extension Activities

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

MRECW innovatively designed NSS programs provides opportunities to the students to compassionately recognize and realize the problems of the neighborhood communities which assist in developing interpersonal relationships, leadership traits, organizing skills, understanding the life of underprivileged community and inculcate moral and human values among the students.

Extension activities, conducted by the National Service Scheme (NSS), are instrumental in sensitizing students to social

issues and promoting holistic development. The impact of these activities using the four case studies as :

COVID-19 Measures - Masks & Sanitizers Distribution:

Case Study: In response to the COVID-19 pandemic, MRECW students distributed masks and sanitizers to vulnerable communities.

Impact: This initiative was critical during the pandemic, as it helped protect the health of many vulnerable individuals. Students gained a sense of purpose and responsibility while learning about the importance of community service in times of crisis. : Through this comprehensive initiative, students not only gained a deeper understanding of these issues but also helped the community. They sensitized people about COVID-19 precautions, hygiene, and the importance of vaccinations. Child education and awareness of government schemes improved the lives of many, while the cleanliness and plantation drives enhanced the environment.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/Events

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

12

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	[View File](#)

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)

12

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

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

2235

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

3.7 - Collaboration

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

18

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

20

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	View File

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.

Institution has the required physical infrastructure and resources for the teaching-learning process. One of the top women colleges in Telangana State is Malla Reddy Engineering College for Women (MRECW) & which is established in year 2008. The college is permanently affiliated with JNTUH and within the area 10-acre of campus,with 8 undergraduate and 3postgraduate programs are being offered by the college. Modern infrastructure at MRECW fosters a culture of advancement in education and professional growth.

Classrooms:

There are 66 Classrooms which are equipped with ICT facilities. LCD Projectors or Smart boards are available with Wi-Fi and LAN in every class room to facilitate effective Teaching-Learning. The classrooms are architecturally designed with optimal room for natural light and air.

Laboratories:

- The College believes in imparting strong practical exposure to the students.
- Modern laboratories contain LCD projectors with air conditioners
- Software that is both licensed and open-source are installed in computer labs.
- The College keeps upgrading the facilities and equipment in the laboratories.

Computing Equipment:

The institute is maintaining 2:1 student computer ratio with 1970 computers for students. Every computer lab has a full-fledged UPS and also backed up with six generators.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/InfrastructureFacilities

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

The college has Cultural committee comprising of faculty and students as members. The student members are formed into a group named Student Cultural Club (SCC). SCC is having different clubs such as DANCE CLUB, SINGING CLUB, COMEDY CLUB and PHOTOGRAPHY CLUB.

YOGA classes are arranged every day at Open yoga center for the students by yoga teacher. And also BHRAMMA KUMARI's team visits the college to conduct stress free training.

Institute has Meditation centre within the campus itself, Meditation can give a sense of calm, peace and balance that can benefit both emotional well-being and your overall health.

Students are encouraged to participate in Sports Competitions based on their interests and abilities.

Outdoor Games:

- **Cricket Stadium**
- **Basket Ball Court**
- **Volley Ball Court**
- **Throw Ball Court**
- **Tennis Court**
- **Tennicoit**
- **Kho - Kho**
- **Kabaddi**
- **Short Put Court**

Indoor Games:

- ○ **Table Tennis**
- ○ **Chess**
- ○ **Caroms**

A huge indoor and outdoor gym facility with spaces designated for training with weights, power lifting, and cardiovascular exercises is also available.

The College has huge, well-furnished Auditorium with 2000 seating capacities and a Mini Auditorium with 200 seating capacities, Multimedia facilities & centralized air condition.

File Description	Documents
Geotagged pictures	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/Sports

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

60

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)

266.08

File Description	Documents
Upload audited utilization statements	[View File](#)
Details of Expenditure, excluding salary, during the years	[View File](#)
Any additional information	**No File Uploaded**

4.2 - Library as a Learning Resource

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

ILMS software: New Gen Lib Helium Library Software (NGL)

Nature of automation (full or partial): Fully

Version: 3.2

Year of automation: 2016

The Central Library of MRECW was established in the year 2008 along with the College and operated manually till the year 2016. The Library was automated in second semester of 2016 by using world famous Software New Gen Lib Helium Library (NGL). The latest version of New Gen Lib is 3.2 released in 2020.

Digital Library:

- **Digital library is functioning with 45 computers.**
- **All the subscribed e-resources like e-journals, DELNET, Digital Library, IEEE-ASPP, INFLIBNET, J-GATE, e-books, e-database, etc. are available which can be accessed through IP based and from remote location.**

Details of Library:

S .No

Resources

Quantity

1

Total Number of Volumes

32252

2

Total Number of Titles

6423

3

Total Print -National Journals

66

4

International Journals

18

5

E-Journals (IEEE Xplore Digital Library(ASPP) ,Springer Collection, J-Gate-Engineering & Management Collection)

29402

7

NPTEL Video Lectures

773

8

Back Volumes

29552

9

Project Reports

150

10

Total No. of DVD's &CD's

1861

11

Daily News papers

5

12

Reading room seating capacity

200

13

Total number of References

3640

14

Reprographic Facility

Available

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/Home/Libraryinfra

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	A. Any 4 or more of the above

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)

19.47

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

300

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 Statement

MRECW (UGC Autonomous) institute offers a wide range of IT amenities and services, including a state-of-the-art networking environment, to support students and staff in learning, research, teaching, and administration. The institute provides services such as powerful central servers, web-based email

applications, internet security systems, anti-virus software, and network services. The IT policy covers IT administration, hardware, software, networking, IoT, AI, database management, electronic communication systems, IT usage, cyber security, and maintenance guidelines. Sufficient annual budget allocation is made for the creation and maintenance of IT infrastructure. The IT policy is implemented to develop facilities and update them periodically to keep up with changing times.

LAN and Wi-Fi:

The campus is networked through 1000 mbps (LAN) and 10 Gbps fiber, while computer labs are connected with 1 Gbps network switches with fiber optics as backbone connectivity. Video surveillance systems are utilized to maintain privacy and reduce crime threats.

Cyber Security

Firewall security is ensured through Sophos firewall XG450, and application level bandwidth and quota management are scheduled. IPS, content filter, and AV scanning are used in gateway mode. Authentication-based user access is provided, and group-based security policies are assigned to different user groups to prevent threats.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3184	1071

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. ?50 Mbps

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

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/Home/EContent
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)

99.33

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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.

Laboratory

The equipment in the laboratories are maintained under three schemes.The College offers annual maintenance contracts for sensitive equipment, calibration, and practical exposure to

students. Modern laboratories feature LCD projectors, licensed and open-source software, and continuous upgrades.

Library

The computerized central library houses 32252 books, 84 journals, 29402 e-journals, 6423 titles, and 29552 BACK Volumes.It's open for an hour per week, remote access, and includes a weekly class timetable.

Sports

The institution sponsors sports uniforms and allowances for students, encouraging them to participate in competitions based on their interests and abilities, every day until 6 PM.

Outdoor Games:

- Cricket Stadium
- Basket Ball Court
- Volley Ball Court
- Throw Ball Court
- Tennis Court
- Tennicoit
- Kho - Kho
- Kabaddi

Indoor Games:

- Table Tennis
- Chess
- Caroms

Computers

The institution provides adequate computers for students, faculty, and departments, with internet-enabled computers in all rooms and departments. A Computer Maintenance Cell, led by faculty and System Administrators, maintains IT infrastructure, and Wi-Fi facilities are available for all.

Classrooms

Classrooms follow master timetables, feature LCD projectors with Wi-Fi and LAN, and are architecturally designed for optimal natural light and air, with annual service by approved

vendors.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/assets/documents/SERVICE%20RULES.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

1673

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

79

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	https://www.mallareddyecw.com/assets/documents/20-21Events.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

606

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

584

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

22

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

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

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

22

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

7

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

MRECW encourages student participation in decision-making to improve the academic environment. This is achieved through various academic and administrative bodies, including the Internal Quality Assurance Cell, Executive Bodies of Professional Student Chapters, Co-curricular Activities Coordinators, Class Review Committee, Library Committee, EDC Innovation Cell Club, Cultural Clubs, Literary Club, Sports Committee, NSS Club, Women Protection Cell Committee, Antiragging Committee, Grievance Redressal Cell Committee, SC/ST Committee, Alumni Association, Hostel Committee, Canteen Committee.

The Internal Quality Assurance Cell promotes quality initiatives, while the Executive Bodies of Professional Student Chapters coordinate technical events, paper presentations, code design contests, idea presentations, hackathons, robotics exhibitions, project exhibitions, poster presentations, business quiz competitions, and elocution competitions. The Class Review Committee reviews academic activities, progress, and improvement plans, while the Library Committee procures new titles and resources.

Cultural Clubs, such as Dance, Singing, Visualgraphics Club, Literary Club, Sports Committee, NSS Club, Women Protection Cell Committee, Antiragging Committee, Grievance Redressal Cell Committee, SC/ST Committee, Alumni Association, Hostel Committee, and Canteen Committee, provide suggestions for sports activities, address infrastructure issues, address student grievances.

In conclusion, the college values student participation in decision-making to create a better academic environment. By involving students in various committees, the college fosters inclusive learning environment.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/Home/StudentsChapters

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

15

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

5.4 - Alumni Engagement

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

The MRECW Alumni Association aims to foster a strong connection between students, faculty, and the institute for mutual benefit and synergy. Its objectives include maintaining a register of alumni, promoting lifelong relationships, and facilitating professional knowledge exchange. The association also organizes technical conferences, seminars, workshops, and training courses, providing career development and guidance.

The MRECW Alumni Association serves as a platform for building a professional network driven by ideals and values, improving current and future professional integration and motivational capital for MRECW and its students. Its mission is to connect existing alumni with the college, promote exchange of academic and corporate experience, mentor students seeking better opportunities, and promote goodwill and pride.

The association has 6000+ members and aims to connect alumni with the institution, build synergistic plans, and add value to all stakeholders. It conducts an annual Alumni Meet, where alumni from all branches can express their thoughts and

suggestions on their course scope and professional world. This allows alumni to reconnect and share their experiences and memories.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.mallareddyecw.com/Home/Alumni

5.4.2 - Alumni's financial contribution during the year	**E. <2 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

VISION:

- Visualizing a great future for the intelligentsia by imparting state-of the art Technologies in the field of Engineering and Technology for the bright future and prosperity of the students.
- To offer world class training to the promising Engineers.

MISSION:

- To nurture high level of Decency, Dignity and Discipline in women to attain high intellectual abilities.
- To produce employable students at National and International levels by effective training programmes.
- To create pleasant academic environment for generating high level learning attitudes.

The Institute adopts a transformative approach, aiming for "Education for total transformation" while prioritizing excellence. Emphasizing "Knowledge and Skills," "Honourable living," and "Societal and Economic Growth," it integrates these core aspects into its teaching methodology.

Faculty engagement in governance is pivotal for success, supported by qualified administrators implementing NEP-2020 in line with the institution's Vision, Mission, and Goals.

Leadership adheres to AICTE, UGC, and JNT University guidelines, forming committees as per UGC and AICTE directives. The administration involves academics and staff in system development, assigning faculty to statutory bodies. Inputs from alumni and stakeholders drive innovation in academics, industry interactions, and placements.

Regular audits and a Quality Assurance Framework ensure continuous enhancement in academic and administrative policies, fulfilling the objectives.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.mallareddyecw.com/

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

The institution assigns tasks from top to bottom for management, administration, finances, and academics.

Regulatory organizations require the Governing Body, Academic Council, Finance Committee, and Board of Studies to perform specified duties.

Principals manage learning and academics. Principals ensure balanced, high-quality education. Principal oversees Institute growth and strategy. HODs and deans help colleges run.

Case Study: CODER-21

Under CSI Student chapter of Malla Reddy Engineering College for Women (Autonomous) organized the CODER-21 challenge on 13th March-2021.

  - The main aim is to fostering their coding skills. Participants typically tackle a series of coding problems within a set time frame, showcasing their problem-solving abilities and creativity.

- The challenge often provides a platform for learning, collaboration, and recognition within the coding community. It's a wonderful opportunity for young minds to shine and further their expertise in the world of programming.

- The Academic Committee finalized faculty and student committees for coder-21 challenge.

- Faculty Committees:
    - Brochure Preparation
    - Registration
    - Transportation
    - Report, Media, and Photographs
    - Finance
    - Venues Arrangement
- Student Committees:
    - Hospitality
    - Registration

More than 500 Students participated in coding contest.

Faculty and student committees' decentralized and participatory management made the e-summit successful.

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://www.mallareddyecw.com/Home/MRECW_ Committees

6.2 - Strategy Development and Deployment

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

The institute follows a well-defined Organisation with a hierarchical structure, which makes participatory administrator easier.

The principal carries out academic administration and management through well-established statutory/non-statutory agencies. Various administrative entities control the institution.

The institutional perspective plan is effectively deployed

- Institution has a strong Strategic plan aiming at clearly formulated objectives.
- Achieving Academic excellence by curriculum design.
- Innovative research and knowledge exploration for social needs.
- Improving all round Personality of the students with Global Vision & Social responsibility.
- Establishing Centre of Excellence.
- Excellence in Research, Innovation and Creativity for high impact.
- Enhancing relations with industry, alumni, and society.
- Enhancing employability and promoting entrepreneurial initiatives.
- Committed to social, economic, and environmental sustainability.
- Ensuring excellence in Organisational Leadership and governance.

The plan is implemented through daily activities, resource allocation, and stakeholder engagement. Periodic performance and quality indexes help achieves strategic goals. To achieve long-term goals, the Institute's IQAC examines Strategic Plan and Policy implementation and makes corrections. The perspective plan evaluates the institution's mission, vision, and goals. The Strategic Plan ensures aims are met through assessment, evaluation, reporting, and re-planning.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.mallareddyecw.com/Home/MRECW_Committees
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 institution is governed by a multifaceted administrative structure comprising several key bodies.

Governing Body:

The Governing Body oversees organizational management, approving crucial documents like the annual budget and long-term plans. Renowned for its efficient administrative practices and positive work culture, it ensures the institute's smooth functioning.

Academic Council:

The Academic Council, responsible for maintaining educational standards, coordinates teaching, research, evaluations, student admissions, training, alumni engagement, and curriculum enhancements. It focuses on innovation, R&D, industry collaborations, internships, and skill development.

Board of Studies:

The Board of Studies designs course syllabi aligning with the college objectives, stakeholder interests, and national requirements, subject to approval by the Academic Council.

Finance Committee:

The Finance Committee advises the Governing Body on budget estimates, grants, fees, and audits related to autonomous activities.

This well-structured setup is further detailed on the website, delineating the functions of these governing bodies. Additionally, the institute adheres to established service rules, recruitment, promotional policies, and regulations within the frameworks of AICTE, UGC, State Government, and the affiliating university, which are approved by the Governing Body of the Institute.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.mallareddyecw.com/assets/ORGA NIZATION_CHART%20%20MRECW%20FINAL.pdf
Upload any additional information	View File
Paste link for additional Information	https://www.mallareddyecw.com/assets/docu ments/SERVICE%20RULES.pdf

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) 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

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression.

The Institution provides effective welfare measures to both teaching and non-teaching staff. Statutory welfare measures are implemented. Various monetary, non-monetary measures towards personal and professional growth are being followed to the satisfaction of the employees.

The various welfare schemes are as follows:

- Maternity benefits as per norms
- Child Care

- **Management rewards the faculty members to improve their research output through excellent publications during the academic year with research incentives.**
- **Subsidized medical facilities**
- **Non-teaching staff are provided with ESI facilities.**
- **Concessional on Transport and Medical facilities for all the staff.**
- **Sports, gym and yoga facilities are provided for staff.**
- **Group Life Insurance.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.mallareddyecw.com/

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

19

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

11

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.)

36

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The institute prioritizes meticulous financial planning through engagement with academic departments and administrative sections, strictly following a "No-Cash" transaction policy. It upholds financial rules and government regulations, operating under the guidelines laid down by the Government of India (GOI) and subject to annual external audits by chartered accountants. Additionally, funds from the government undergo separate audits by government-appointed auditors.

Internal audits occur semi-annually, executed by an internal financial audit committee comprising the Principal, Dean of Administration, Accounts Officer, and Assistants. This committee verifies income sources, expenses, due bills, and deductions like Income Tax, TDS, PF, PT, and GST, scrutinizing invoices and financial records.

External audits, mandated by government regulations, ensure compliance with financial norms. Chartered accountants conduct these audits, authorizing payments and submitting reports to management for review. Any audit-related queries are promptly addressed with supporting documentation within specified time frames. These stringent mechanisms aim to maintain transparency, financial integrity, and discipline across all levels of the institution, preventing misappropriation of funds or assets. Audited statements bear the signature of the chartered accountant, affirming the institution's financial credibility.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.mallareddyecw.com/

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)

10.98334

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

MRECW (Autonomous) annually strategizes fund allocation sourced primarily from student fees, government grants, and non-government bodies, adhering to Telangana State fee guidelines.

The finance team, comprising management, principal, and the budget committee, oversees resource utilization and manages funds.

Department heads, administrative officers, and librarians must submit budget requests to management annually. Finance and Budget committee analyses submitted materials and submits best summary to Governing Body for approval. Following approval, the Budget plan takes effect. The money are used to buy equipment, computers, software, chemicals, consumables, non-consumables, machines, etc.

The finance committee reviews resource use, quotations, and purchase orders. It audits budgets, usage, spending, accounts, etc. They suggest better resource management and fund mobilization. It maintains fund consumption within limits. Management supports skill enhancement programs, allowing funds to exceed budgets based on need and recommendations.

Funds cater to diverse needs like staff incentives, emergency situations, workshops, conferences, and maintenance across departments, including library, office, and computer upkeep. Additionally, the college secures extra funds from research agencies (AICTE, UGC, SERB) for departmental projects and gains support from industries for consultancy services, empowering advanced lab upgrades and research initiatives. Utilization certificates are provided upon project completion to respective agencies.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.aceec.ac.in/wp-content/uploads/2020/07/COURSE-FEE.pdf

6.5 - Internal Quality Assurance System

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

Malla Reddy Engineering College for Women (Autonomous) is committed in its endeavour to improve the quality of the teaching-learning, continuous education, research and life-long learning. The institute has a strategic plan to promote and develop measure for constituting quality enhancement practices to improve the overall performance of the college.

The Institute established a quality monitoring cell to foster the activities that are necessary to increase the quality standard in the teaching learning process. A formal Internal Quality Assurance Cell was setup as per the guidelines. The IQAC has been instrumental in planning, reviewing, following up and setting up quality indicators and reviewing the procedures periodically for achieving and maintain quality.

Some of the strategies adopted by the IQAC for institutionally quality include:

- New Courses CSE-AIML, CSE-DS, CSE-CS, and CSE-IOT are added.
- Attendance monitoring and feedback through SMS;

- Examination reforms-Blooms Taxonomy;
- Alignment with NBA & NAAC quality initiative;
- Project Based Learning;
- Conduct of co-curricular & extra-curricular activities through committees/cells;
- Usage of ICT Tools;
- Online Training Programs with industry experts;
- Research & Development committee encourages the faculty and students to participate in Conferences, Seminars, and Technical competitions etc.,
- Industry Interaction;
- Induction Program for newly appointed faculty;

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://www.mallareddyecw.com/Home/IQAC

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

The IQAC conducts annual academic audits to oversee teaching and learning approaches. This includes:

- Regular academic audits ensuring effective teaching methods and proper course file maintenance.
- Orientation Programme for new students- covering education system specifics, continuous evaluation, core courses, co-curriculars, facilities, discipline, and institute culture.
- Providing semester course schedules and syllabi to students before each semester.
- Preparing lesson plans before semesters start and periodic monitoring by HOD with corrective suggestions.
- Verification of internal test analysis and question papers.
- Arranging special evening classes for weaker students.
- Identifying new delivery methods for quality enhancement.
- Encouraging faculty participation in online certification courses.
- Taking student feedback at course end for teaching improvement.
- Collecting stakeholder feedback (students, alumni, industry experts, parents).

Teaching-learning reforms reviewed and implemented through IQAC include:

- o **Guest lectures by academic and industry experts on advanced topics.**
- o **Practice of emerging technologies through mini projects and term projects.**
- o **Faculty development via workshops, orientations, seminars, and conferences.**
- o **Establishing MoUs with prestigious institutes, universities, and government agencies.**
- o **Conducting department-wise academic audits.**

File Description	Documents
Upload any additional information	[View File](View%20File)
Paste link for additional information	https://www.mallareddyecw.com/

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)	**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.mallareddyecw.com/Home/IQAC
Upload e-copies of accreditations and certification	[View File](View%20File)
Upload details of quality assurance initiatives of the institution	[View File](View%20File)
Upload any additional information	[View File](View%20File)

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

MRECW, a college with 100% women students and 60% women faculty, prioritizes the safety of its female students through various initiatives. The curriculum includes a mandatory Gender Sensitization course, lectures on education importance, women's rights, and domestic violence, along with cultural activities and an annual celebration of International Women's Day.

In terms of safety and security, the institution provides secure parking and hostels, comfortable classrooms, and operates a Women's Protection Cell, Grievances Redressal Cell, Internal Complaints Committee, Anti-Ragging committee, and Disciplinary committee. Faculty members have rotational duty for discipline and security, and there's a dedicated security wing with CCTV surveillance and strict safety measures.

Counselling services are offered through a Mentoring and Counselling Cell, including psychological counselling and programs focusing on women's safety and empowerment. The institution also prioritizes health, with sick rooms in every block, faculty providing immediate medical assistance, and a 24x7 ambulance service.

This holistic approach, emphasizing safety, education, and well-being, creates a nurturing environment for female students to thrive academically and personally.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.mallareddyecw.com/

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)

Malla Reddy Engineering College for Women has designed methods for the management of waste generated in the campus using the basic waste management strategy of 3R's: Reduce, Reuse and Recycle i.e., Reduce the amount of waste generated, Reuse everything to its maximum after proper segregation and cleaning and keeping things which can be Recycled aside and handed over to appropriate agencies.

- Liquid waste that is generated in the institute falls into three following categories.

1. Septic tank effluents from various sanitary blocks, water used for washing and cleaning of utensils etc. from canteen
2. Wastewater from RO plant

As the college is located in rural un-sewered area, waste water generated from the sanitary facilities is disposed off into septic tanks located at different places in the campus and their effluents combined with canteen waste water is used for gardening, watering trees etc.

- Biomedical waste management: No bio medical waste produced

- E-Waste Management:

The College has taken MOU with EARTH BOX for proper disposal of all kinds of electronic waste, such as batteries, cells, obsolete electronic devices, computers, monitors and printers, UPS etc. E-waste management and disposal committee members take initiatives to manage the waste in the campus.

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus	A. Any 4 or all of the above

recognitions/awards
5. **Beyond the campus environmental promotional activities**

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	**No File Uploaded**
Any other relevant information	View File

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, reader, scribe, soft copies of reading materials, screen reading, etc.	**A. Any 4 or all of the above**

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).

Malla Reddy Engineering College for Women, Autonomous, embraces "unity in diversity" at its city-based campus. Actively fostering inclusivity, the institution encourages students from diverse states, religions, and cultures to participate in events, creating a 'home away from home' atmosphere. Initiatives promoting tolerance include cultural festivals, technical fests, and sports events. The campus celebrates regional festivals and provides separate prayer rooms for diverse religious practices. National holidays and tributes honour prominent figures, fostering a sense of enthusiasm. Linguistic diversity is addressed through competitions and mentorship programs. Food, an integral aspect of culture, is prioritized, with a food fest catering to varied palates. Inclusive spaces, lift and ramp facilities, and gender sensitization programs contribute to a welcoming environment. The college emphasizes inclusion by supporting students from rural and underprivileged backgrounds in alignment with its vision. Faculty recruitment considers linguistic diversity. The NSS unit engages in social responsibility through field trips, camps, and awareness programs, promoting harmonious living. The college offers skill and personality development courses, reinforcing its commitment to holistic student development.

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:

Malla Reddy Engineering College for Women (MRECW) prioritizes constitutional education for staff and students through both academic and extracurricular avenues. The curriculum incorporates classes dedicated to constitutional duties, supplemented by motivational speeches and flag hoisting ceremonies during national festivals. Distinguished speakers are invited to discuss freedom fighters and citizen responsibilities. MRECW's Institute Innovation Council (IIC) conducts regular programs, seminars, and workshops to educate women on their rights and national obligations. Mandatory subjects such as Indian Constitution, Human Values, Professional Ethics, Intellectual Property Rights, Traditional Knowledge, and Environmental Studies sensitize students to

constitutional duties. Republic Day and Independence Day celebrations include activities highlighting the significance of the Indian Constitution and the struggles for freedom. Seminars on crucial topics like Right to Information, Sexual Harassment, and Gender Equity are conducted periodically, contributing to a well-rounded awareness of constitutional responsibilities among the MRECW community.

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

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

A. All of the above

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

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

Malla Reddy Engineering College for Women's college that prioritizes women's

empowerment(https://www.mallareddyecw.com/). The college has a long history of fostering women's empowerment, in which women are nurtured to realize their full potential and develop leadership skills. The College encourages students to question gender-biased attitudes, change behaviors impeding academic performance. The sprawling campus spread with lot of greenery and open space for garden and sports facilities provides spaces for intellectual stimulation very central to women students who are able to go out of the confined spaces of their home and develop their potential.
(https://www.mallareddyecw.com/Home/InfrastructureFacilities/).

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

Malla Reddy Engineering College for Women has adopted two villages through the National Service Scheme (NSS) Units to focus on healthcare, environmental, and social factors. The college aims to create awareness about health, sanitation, hygiene, and government schemes, identify potential for village growth, and develop leadership qualities among students. Students visit the villages, conduct surveys, and organize social, environmental, and health awareness drives. As a result of this practice the students of the institution have acquired the quality of being associated with society and social issues. Malla Reddy Engineering College for Women, aims to provide value-added certifications in technology and communication to enhance students' employability. The college focuses on building the bridge between industry and academia, providing training in high-demand trades with good job prospects, and offering tutorials and programming lab practice. It also provides timed programming tests to serve as mock tests for the actual placement process. The college offers seminars to enhance students' soft skills before entering the industry, and

provides practical knowledge in Computer Networking and Operating systems. Additional training sessions are provided for full-stack, machine learning, and deep learning. Additionally, the college develops LSWR skills through value-added English communication certifications such as Cambridge, Oxford, and Pearson.

File Description	Documents
Best practices in the Institutional website	https://www.mallareddyecw.com/assets/documents/bestpractices.pdf
Any other relevant information	https://www.mallareddyecw.com/

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)

Skill Development and Placement:

Malla Reddy Engineering College for Women's Training & Placement Cell is dedicated to preparing students for successful recruitment processes. Emphasizing engagement with the business community, the cell ensures a fruitful journey for MRECW students by focusing on pre-placement instruction, both technical and non-technical. The cell offers various skill development programs for personality enhancement, aiming to maximize students' potential and boost self-confidence.

The college's objectives include providing training in high-demand trades, conducting timed programming tests for mock placement experiences, and ensuring overall development through appropriate skilling mechanisms. Practical application of classroom concepts is facilitated through virtual and physical experiences in real-time industry situations. The cell also enhances students' IQ levels through aptitude practice-related training and emphasizes seminars for intensive exposure to topics, fostering soft skills essential for industry entry. Additionally, practical knowledge in Computer Networking and Operating Systems is promoted through CISCO Certifications, further enriching the students' skill set.

File Description	Documents
Appropriate link in the institutional website	https://www.mallareddyecw.com/Home/Placements
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. The Institution provides congenial learning environment for holistic development of Students & Faculty
2. The Institution to inculcate online learning through value added courses
3. The Institution provides holistic value based education
4. The Institution provides Incubation Centre for Social sciences projects
5. The Institution shows implant Lecture captivating system.
6. The Institution initiates inculcate entrepreneurial abilities in students to face upcoming challenges of corporate world.
7. The Institution stimulate the academic environment for promotion of quality in teaching-learning process
8. The Institution undertakes quality-related research studies, consultancy and training programmes
9. The Institution initiates activities for cultural, communal, values, social –economic responsibilities, rights and other diversities.
10. The Institution plans for more Eco friendly Go Green programs and Planation's
11. The Institution organize more workshops, seminars and conferences
12. The Institutionplans to focus more on research and Development in the next Academic year by increasing the publications of faculty and also motivating student's community to write research papers.
13. The Institutefacilitate faculty and student Exchange Programmes with Other Academic Institutions and Linkages
14. The Institution foster and strengthen relationship through Faculty and Student Exchange Programmes
15. The Institution looks for increase and promote digital Content in the form of Video Lectures
16. The Institution provides value added certificates for student communication.