Message

Malla Reddy Engineering College and Management Sciences is a non-profit making institution which has been set up to promote technological and professional education of high standards. With the help of dedicated and experienced faculty members and state- of-the-art campus with modern teaching, learning and research facilities, the institution offers innovative, career-oriented under graduate and post graduate programs matching the requirements of the industry and society at large.

The institute was established in 2008 by enthusiastic promoters with an aim to bring technical education to the door steps of students from rural background This is the right time that the institute should embark its journey of success in the coming years. The preparation of 'Strategic Plan Document' is the first step towards this direction. The enthusiastic faculty members under the leadership of HoDs, Principal, and Director, have brought out the best possible detailed strategies and its deployment plan. I am confident that this team will implement the strategic plan in its total spirit.

I congratulate the HoDs, Faculty members, staffs and students, Principal, and extend my best wishes for their future journey towards taking the institute to a new height.

CHAIRMAN

Preface

For an organization, strategic planning is very essential to accomplish the Vision and Mission, which it dreams of. Strategic planning is a continuous process with a specific focus on accomplishing institutional goals in this competitive world. Strategic Planning and deployment document is based on analysis of current obstacles and future opportunities and envisages the direction towards which the organization should move to achieve its set goals and objectives.

The first part of it addresses the Vision and Mission which the institute dreams along with core values, institutional long term & short term goals. These are defined and guided by the stake holders (management, leadership, HODs, faculty, staff, industry, students, alumni and parents) through SWOC analysis. After analyzing the internal and external environment, the institutional goals were set up in all possible growth domains through continuous thought process and discussion with HODs and faculty members. The strategies with action plans were decided to achieve institutional strategic goals.

While formulating the strategic plan and deployment document, care has been taken to involve all stakeholders to help contribute their part which is vital for the success of every organization. Effort has been made to identify clearly the implementation processes and monitoring by identifying measurable targets in line with the desired outcomes. This will emerge to be the guiding force for MREM to achieve its goal to become an institution of Academic Excellence and providing best skilled young Engineers and Managers to serve the society.

VISION:

The aspiration is to emerge as a premier institution in technical education to produce competent engineers and management professionals contributing to industry and society.

MISSION:

By Providing the Student Supporting Systems: To impart updated pedagogical techniques with supportive learning environment and state-of-the-art facilities.

By Training the Students as per the Industry Needs: To cultivate a culture of interdisciplinary approach, problem solving, innovative ecosystem and entrepreneurship by facilitating critical thinking, teamwork and research driven activities with hands-on-learning.

By Educating the Students about the Society Needs: To instil ethical, social and environmental values through community engagement, resulting in sustainable development of society.

Core Values

- > Give due respect to all students and staff members and nature human values
- > Prohibit gender bias competition and promote team spirit and healthy comfort.
- > Create healthy atmosphere for effective teachinglearning process.
- > Promote equality, integrity, patriotism and brotherhood.
- > Promote communal harmony and religious tolerance.
- > Sharing of experience, knowledge and skills.

SWOC Analysis

Strengths

- Good reputation for high quality teaching & laboratory based practicals kills
 & knowledge development
- 2. Equal emphasis on co-curricular and value added programs on Emerging Technologies
- 3. Eco-friendly and amicable ambience for working
- 4. Beyond the syllabus curriculum to make the students ready for the present global scenario
- 5. Constant encouragement of faculty for pursuing Ph.D., research, advancement of qualification etc.
- 6. Constant mentoring, monitoring, and a strong feedback system of students
- 7. Training and grooming of students to make them industry ready and enhancing their employability skills by imparting Technical Training, Soft Skills, GD & Aptitude classes etc.
- 8. Focus on building Entrepreneurship Development Cell
- 9. Good faculty retention due to peaceful work environment
- 10. Various activity clubs viz. Tech club, Cultural club, Sports club etc., for Innovation & all rounddevelopment and extracurricular activities
- 11. Academic achievements of students in examinations and other platforms
- 12. Achievements in placement by students in various reputed organizations and reputed companies
- 13. NPTEL courses for faculty and students
- 14. Strong Alumni base that helps for the job generation and referral drive of junior students. They also appraise the college about any known students still jobless, who are given opportunity for new jobs through job fairs.

Weaknesses

- 1. There is scarcity of well qualified i.e. Ph.D. and senior professors mainly in core engineering fields. However, there is continuous effort made by the management to recruit senior level faculty members from reputed institutions.
- 2. There is a dearth of faculty members with Ph.D. qualification even after continuous search and advertisement.
- 3. Shortage of ample opportunity for Research Activities due to funding problem by Govt., Non Govt. & External agencies
- 4. International and National Collaboration activities to be done
- 5. Domicile Issue in the admission process

Opportunities

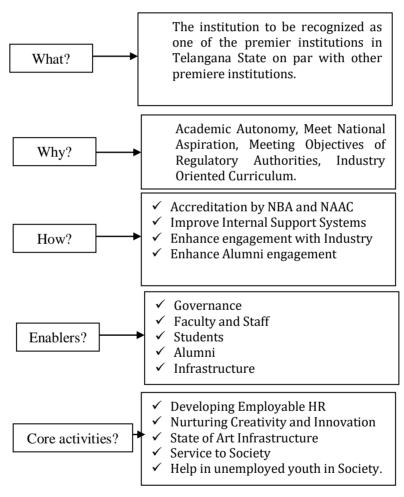
- 1. Collaboration with International and National Institutes of repute and other recognitions
- 2. Faculty student exchange program with reputed National & Foreign Universities
- 3. Focus on Research activities & collaboration with institutes and industries
- **4.** Involving more faculty members in research oriented programs
- 5. External funding for research, project and innovative programs
- **6.** Preparing students in Soft Skill, Aptitude, GD, GATE, etc. examinations
- **7.** Enrollment of Students in Internship programs in different renowned corporate houses &industries
- **8.** Developing Skill Centre for vocational / Advanced Skill / Research Centre / Incubation centre etc.

Challenges

- 1. Students come with various vernacular and ethnic backgrounds and training these students in English language and developing their communication skills is really a challenging job
- 2. Major Gap in course curriculum with respect to Industry standards and our inability to modify it as per present market scenario due to guidelines by affiliating university
- 3. Keeping pace with continuous modification of technological advancement
- 4. To motivate faculty for New Product Development/Research/ R&D/ Innovation etc.
- 5. To attract eminent Professors, Ph.D. Holders and Researchers in Campus to share theirknowledge and experience with students
- 6. Present lack of interest among students for engineering education
- 7. Stiff competition towards bringing core companies to campus for bulk hiring

STRATEGIC PLAN FOR 2023-28

The Strategic Plan seeks to leverage the strengths that MREM has developed over the decade and build upon them and acquire or develop new strengths. In particular, the strategic plan proposes to nurture the large groups of faculties working on transformational technologies that have the potential to address the social challenges being faced in the country. The perspective/strategic plan ensures that the Vision, Mission and Objectives of the college are achieved by the process of review, evaluation, reporting and replanning. MREM strives to foster an excellent environment to achieve academic development.



Vision of the Institution (2023-2028)

"The aspiration is to emerge as a premier institution in technical education to produce competent engineers and management professionals contributing to Industry and Society.

Expectations of Our Stake holders

Management

- Branding
- Leadership Development and Sustainability
- Good Governance
- Financial Resources Management
- Autonomous Status
- Social Responsibility

Academic Council/Committee

- Competent and Passionate Faculty
- Internal Revenue Growth for Sustainability
- Industry Oriented, Quality Education Programs
- Benchmarking through International Accreditation of Programs and Institution
- Creation of Centers of excellence

Faculty and Staff

- Good academic and working ambience.
- Opportunities for Career growth, Research facilities and incentives
- Academic freedom with accountability
- Transparency in administration, uniform rules and procedures

Students

- Good academic and research ambience
- Support for co-curricular and Extra- curricular activities

State of the art infrastructure

- Experiential Learning and Opportunities for Show casing Talent
- International Quality Learning Experience at affordable cost
- Quality Placements, Career Guidance and Entrepreneurial Opportunities

Parents

- Branding
- Quality Teaching- Learning
- Motivated and Disciplined Students
- Good Placements with Higher Pay Packages

Industry

- Industry ready professionals with positive attitude
- Graduates with strong fundamentals who are self-learners.
- Strong Industry-Institution Interaction
- Collaborative Research and Consultancy
- Brand Name and Accreditations

Community and Others

- Graduates with Moral, Ethical and Responsible Citizenship
- Social Service Activities by the Institution
- Skill Development for Needy
- Resource Center for Other Institutions
- Consultancy and Continuing Education Programs

Based on the stakeholders' expectations, after carrying out SWOC analysis of the departments and the college, we have arrived at the following Strategic Planning, Implementation and Monitoring Process document. Our focused goals areas wender.

Strategic Goals

The team of MREM after several discussions and planning and guided by the Mission and Vision, of the Institute's Quality Policy, Core Values, Stake holder's expectations and SWOC analysis framed the Institutions Strategic Goals.

Institution Strategic Goals:

- 1. Following effective teaching learning process
- 2. Developing and following leadership and participative management
- 3. Establishing a continuous Internal Quality Assurance System
- 4. Ensuring good governance
- 5. Ensuring student's development and participation
- 6. Ensuring staff development & welfare
- 7. Developing financial management
- 8. Put emphasize on Institute Industry interaction and partnership
- 9. Development of entrepreneurship
- 10. Encouraging research and development work
- 11. Increasing internal revenue generation
- 12. Increasing Alumni Interaction & participation, and Outreach activities
- 13. Engagement in Community Service Activities
- 14. Developing physical infrastructure
- 15. Getting memberships of professional bodies, Local chapters, student'schapter etc.

Short-term Goals(02)years

- ✓ Achieve NIR frank in 150-200 band
- \checkmark ≥85% campus placements with a median salary of Rs5lakhs
- ✓ NAACA⁺⁺grade
- ✓ Adoption of NEP2020 from 2022-23academic year
- ✓ To start new UG programs in emerging areas
- ✓ Offer atleast three vocational courses/certification courses per year each 30 hours duration.

Medium-term Goals(03-05)years

- ✓ 100% placements for students.
- ✓ Initiating PG programs, one in each Engineering department
- ✓ Collaboration with more Foreign Universities for twinning and dual degree programs.
- ✓ Secure more projects from DST,DRDO,UGC, etc. in collaboration with reputed institutes.
- ✓ Establishment of Multidisciplinary Engineering Research and Design Centre.
- ✓ Improve R&D, Consultancy, and Corporate Training.
- ✓ To have at least 50% offaculty with Ph. D qualification.
- ✓ To have NBA Accreditation for all eligible UG programs for six years
- ✓ At least five startups to be floated for technology transfer from the prototypes developed.

Long-term Goals(06-08)years

- ✓ Establishment of Centers of Excellence in each department, with Industry Participation
- ✓ Establishment of a Faculty Development Center
- ✓ Secure ABET Accreditation for all Undergraduate Programs

To facilitate better planning and implementation, an IQAC is formulated. The conclusions arrived at IQAC meeting is carefully reviewed and policies are further formulated for corrective actions.

Strategic Planning (2023-2028)

 Academic planning and preparation of
AcademicCalendar
 Development of teaching plan as per OBE
 Preparation of Lesson Plan based on CO &
POmapping
 Use of more teaching aids and adopt more ICT
 Development of e- learning resources
Promote research culture & facilities
Provide mentoring and personal support
Follow a transparent and fair feedback system
 Conduct training based on need analysis
 Evaluation parameters and benchmarking
 Continuous assessment to measure outcomes
 Performance development through credit system
 Implementation of best practices
•
To follow reporting structure
Decentralize the academic, administration
andstudent related authorities &
responsibilities
Prescribe duties, responsibilities and accountability
Portfolio assignments
Establishment of functional committees
Establishment of IQAC done
Framing of Quality Policy & publishing regularly Frammation of Quality Magitaging Committees
Formation of Quality Monitoring Committee Standard Committee
&functioning
Educating & Training of all employees
 Periodic check & guidance for quality improvement
 Establishment of audit team and process
 Audit for remedial measures
 Promoting best practices
 Annual report preparation & submission

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Good governance	Vision, Mission development & their articulation in
	every
	key position
	Inclusion of industrialists & academicians in the GB
	Evaluation of Institute's performance and
	benchmarking
	Institutional strategic goals setting
	Institutional Strategic development plan
	Monitoring and Implementing the Quality
	ManagementSystems
	Following organization structure
	Smooth Working of statutory committees
	Establishing E governance
	Leadership development through decentralization
	Establishing internal audit committee
	Code of conduct and policy formulation, approval
	andimplementation
	Establishing fair and transparent performance
	appraisalsystem
Student's	Budget allocation for student development
developmentand	programs and activities
participation	Students Trainings & Placement Activities
	Formation of student council
	Student's representation in various committee and cell
	Participation in competitions
	Organizing competitions
	Credit transfer & compensation
	Rewards & recognitions of achievers
	Participation in extracurricular activities
	 Participating in social and welfare activities
Staff development	Recruitment Policy formation & implementation
&welfare	Staff performance evaluation system
	Staff Training for quality improvement
	Best possible work facilities & infrastructure facilities
	Code of conduct, service rules & leave rules
	Staff welfare policy implementation
	Career advancement schemes
	Rewards, recognitions and incentives
	Deputation for seminars, conferences and workshops
	etc.
	Sponsorship/ Motivation for
	qualificationimprovement

 Support for research, consultancy, innovations
support for resourcin, compartainey, inflorations

Financial management	 Framing & implementation of Purchase and Financial policies Department wise Budget planning and allocation Forecasting income & expenditure Effective functioning of purchase committee Plans for Emergency Fund Budget formulation & approval through FinanceCommittee Periodic Audit
Institute -	Formation of industry institute interaction cell Mollowith industries
Industry	MoUs with industriesSupport for internships, visits, trainings,
Interaction	guestlectures
	 Identifications of industry needs and advice on
	Curriculum for extra courses apart from
	curriculum.
	 Providing opportunities for Industrybased/sponsored
	projects
	Providing career guidance
	Strengthen training & placement
Entropyonourobin	Establishing innovation centres Establish as an affinity of Entrangency and the second
Entrepreneurship	 Establishment of Entrepreneurship DevelopmentCell
	Effective functioning of
	entrepreneurshipdevelopment Cell
	MoUs with organizations for
	entrepreneurship development Providing
	training & guidance forentrepreneurship
	development
	 Bringing more experts of the field for seminar, lecture, workshop for entrepreneurship development
	Establishing incubation centers
	 Promoting ,sponsoring and
	facilitatingentrepreneurship
	development

Research and innovation

- Dedicated R &D facilitation centre
- Establish and develop Laboratories with more research facility
- Fund generation through Project proposals
- Apply for Government/Non-Government industry, sponsored funds Collaborations with Government & Private Institutes, Universities and Research Organizations
- Applying for patent

 Identification and Strengthening of IRG activities
 Policy for Incentives for Revenue generation plans
Successful implementation of Internal
revenuegeneration plans
Advertising & marketing
Formation of Alumni association, participation
andregistration
 Data base creation, Regular interactions with
alumniand networking
Recognition of successful alumni
 Leverage for guest
lecturers/internships/placements/train
ing/entrepreneurship
 Exploring Contributions
 Brand ambassadors
 Sponsorships/scholarships/fund generation
 Budget from institution
resources/Faculty/students/other
donors
 Identify community and social development work
 Identify challenges of society for development work
 Provide vocational training /job oriented training
as perlocal needs at the institute
Educational support to village people
Conducting awareness camps I for the latest and the latest area are a latest area. The latest area are a latest area are a latest area. The latest area are a latest area area. The latest area area area area area. The latest area area area area area.
Infrastructure building development & modification The state of
Smart Class rooms, Tutorials, Seminar halls
Modernization of Laboratory & equipment Many ICT analysis also are a many and a second
More ICT enabled classrooms Library infrastructure up gradation
Library infrastructure up gradation System up gradation
System up gradationFunctional facilities for e-learning
 Safety & Security management
 Water facility
Medical facility
 Developing sports (indoor/outdoor) facilities
 Plantations
 Rain water harvesting
Renewable Energy usage
Hygiene, zero plastic & green campus
 Recycling of water

Strategy Implementation and Monitoring

After approval of Strategic development plan the next step is its implementation. During implementation the progress of strategy shall be measured from time to time. Hence the measurable success indicators are clearly spelt out in the implementation document. The Principal along with Academic Council and other team member will be the custodian for strategic plan and its deployment.

Implementation at Institute Level

Governance &	Chairman & Members of GB,
Administration	AdministrationOffice
Branding /Expansion	GB members, Local Management Committee, PRO
Students Admissions	Principal, HODs, Admission Team, Students section
Statutory Compliance	Principal, HODs, Coordinators
Infrastructure (physical)	GB, Chairman, Secretary
Infrastructure (Academics)	Principal, HODs
Teaching- Learning	Principal, HODs, Faculty and Staff
Research& Development	Principal, HODs
Students Development	Principal, HODs
Departmental Activities	HODs and Faculty
Training &Placement	Principal, TPO & HODs
Quality Assurance	IQAC team

Measurable during Implementation

Effective	✓ No. of teaching aids
teaching	✓ Syllabus completion
learning process	✓ Mini projects, Major projects, Seminars
	✓ No. of learning resources
	✓ No. of student
	counseling/mentoring/trainingsessions
	conducted
	✓ Result of examinations (Pass, First
	classes,Distinctions)
	✓ Graduate attribute attainment levels
	✓ Student feedback
Leadership	✓ Reporting structure in place
and	✓ Decentralization in various domains
participative	- academic, administration, staff
management	welfare,student development,
	infrastructure management –
	appointments
	✓ code of conduct - duties, responsibilities
	andaccountability
	 ✓ Functional of statutory committees – no.
	ofmeetings/ semester, minutes of
	meetings,
	✓ planning & implementation

Internal Quality	✓ Number of IQAS initiatives/ semester
Assurance	✓ Audits Reports
System	✓ AQAR submission

Good governance	✓ GB selection (Inclusion of Academicians
	&Industrialist)
	✓ No. of GB meetings
	✓ Vision Mission , Dissemination & Review
	✓ Organization structure in place
	✓ Degree of decentralization
	✓ Degree of E governance
	✓ Resource mobilization
	✓ Staff appraisal & career
	advancementscheme in place
	✓ Service rules & benefits
Student's	✓ Number of student participation
developmentand	✓ Number of sports, technical, cultural
participation	eventsorganized
	✓ Regional, National &
	Internationalcompetitions
	participated
	✓ Regional, National &
	Internationalrecognitions received
	✓ Sports infrastructure provided
	✓ Funding for sports
Staff development	✓ Number of Staff attending training
&welfare	programs
	✓ Staff training programs organized✓ Sponsorships for higher education
	✓ Number of staff welfare programs
	✓ Staff awards/ recognitions/ incentives

Financial management	✓ Annual Budget forecasting income &
	expenditure
	✓ Utilization / Allocation of funds
	✓ Internal & External Audit
Institute -	✓ No. of active MOUs
Industry	✓ No. of Initiatives/activities
Interaction	throughMOUs
	 ✓ No. of Industry Advisory Board (IAB)meetings/ year ✓ No. of Initiatives/contributions byIAB
Students	✓ Number of career guidance trainings
Development	✓ Number of skill
	developmentprogrammes
	✓ Number of vocational trainings
	✓ Number of placement
	drivesorganized
	✓ Number of placement
	drivesparticipated
	✓ Number of placements
Entrepreneurship	✓ No. of entrepreneurship
	trainings
	organized/participated
	✓ No. of graduates
	becomingentrepreneurs
	✓ No. of incubation center

Internal	✓ Industry Sponsorships
revenue	
generation	✓ Funding raised through sponsored Projects
	✓ Consultancy /Testing Services,
	✓ Alumni Contribution
	✓ Philanthropy- Donations
Alumni Interaction	✓ Alumni data base
	✓ Number of interactions
	✓ Support for internships/placements/
	projects/consultancy
	✓ Contribution towards students development
Community Services and Extension	✓ Number of trainings/ awareness
Activities	campsprovided
retivities	✓ Number of social projects undertaken
	✓ Number of Skill development programs forweaker sections
	✓ Number of social welfare or outreach
	programmes done
	✓ Number of people benefited in each
	program
Infrastructure - physical	✓ Number of buildings, class rooms added
	✓ Removal of obstacles
	✓ New Laboratories added
	✓ New equipment added
	✓ Annual budget allocated & utilized
	✓ Harvesting & Recycling of water
	✓ Renewable energy source development
	✓ Green initiatives

Infrastructure	✓ Number. of Volumes & Titles in library
-Academic	✓ Number of National& International journalslectures etc.)
	✓ Digital Library
	✓ Smart Classroom
	✓ ICT enabled classrooms

Monitoring of strategic plan

The implementation of strategic plan will be monitored time to time by Principal, Academic Council and other committees through periodic review. The section heads will prepare the detailed progress report and present it in the review meetings. The benchmarking of quality standards and its monitoring, evaluation of attainment will be carried out by the IQAC independently. The IQAC will report the findings to the Academic Council and GB. With thorough analysis of outcomes and based on IQAC report, the above will recommend the corrective actions, need of further processes and deployment of resources. All these reports will be forwarded for further discussions and implementation by the Board of Trustees.

Conclusion

The Strategic Plan Document is an effort for paving a pathway towards accomplishment of goals MREM dreams to achieve. Just formulating the strategic plan doesn't ensure success, but it provides a guiding framework which is a collective effort delivered by the process of participative brainstorming of stakeholders. The proper implementation of strategies through teamwork with good spirit leads to success and sustainability over a longer time through a dynamic process. It needs continuous evolution to incorporate the lessons learnt during the implementation and emphasizes the role of IQAC in ensuring the quality of implementation.