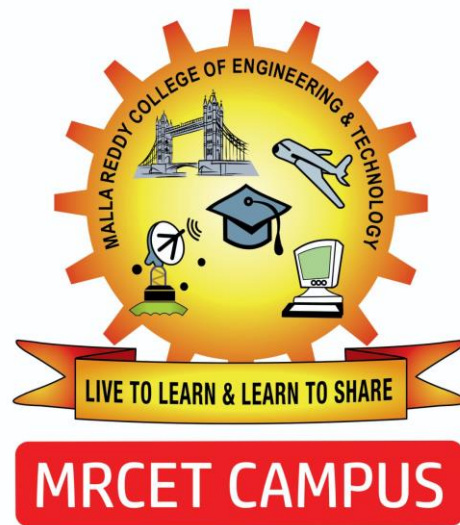


INSTITUTIONAL DEVELOPMENT PLAN (2025-2027)



Malla Reddy College of Engineering and Technology

(Approved by AICTE New Delhi and Affiliated to JNTUH)

(An ISO 9001 : 2015 Certified Institution)

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PREFACE

This Strategic Plan of MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY will serve the purpose of the Institute towards a set of common goals so that the sum total of our efforts and achievements is much more than our individual contributions. Through the strategic road map, the Institute is committed to deliver excellence in educational experience and nurture its dedicated faculty and aspiring students. The plan outlines the institute goals to be achieved in academic, administrative and management field. The strategic plan and deployment is circulated to all the departments. Suggestions, feedbacks and requirements from the management, principal, committees, faculties and staffs are considered while preparing the strategic plan. Utmost care has been taken to spell out clearly the goals and implementation plans to achieve the desired outcomes. This will help in focusing our minds on the years ahead and to develop clarity regarding our objectives.

1. INTRODUCTION

MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY was established in the year 2004 by CMR EDUCATIONAL SOCIETY. The institute is affiliated to Jawaharlal Nehru Technological University, Hyderabad. It was established with the sole objective of providing a perfect platform to the students in the field of Engineering & Technology and Management for their academic and overall personality development. College is Located almost within city limits, MRCET is most accessible to many parts of the Greater Hyderabad. MRCET is offering four year Under Graduate courses in Engineering and Technology, Two year Post Graduate courses in Engineering and Technology, two year Post Graduate courses in Management. The intake details are given in the below table.



DETAILS OF THE ACADEMIC PROGRAMS

S.No	Degree - Specialization	Intake for A.Y: 2026-27 (As per Affiliating University)
1	B.Tech - Aeronautical Engineering	60
2	B.Tech - Civil Engineering	60
3	B.Tech - Computer Science and Engineering	420
4	B.Tech - Computer Science and Engineering (Artificial Intelligence and Machine Learning)	300
5	B.Tech - Computer Science and Engineering (Cyber Security)	60
6	B.Tech - Computer Science and Engineering (Data Science)	240
7	B.Tech - Computer Science and Information Technology	0
8	B.Tech - Electronics and Communication Engineering	120
9	B.Tech - Electrical and Electronics Engineering	30
10	B.Tech - Mechanical Engineering	30
11	M.Tech - Aerospace	18
12	M.Tech - CSE	24
13	M.Tech - VLSI & Embedded Systems	18
14	M.Tech - Machine Design	18
15	MBA - MBA	240

The main asset for this MRCET is infrastructure such as Labs, Library, seminar halls, Cafeteria and so on to achieve academic excellence. Though relatively young, but the vast experience of the management and presence of highly qualified, experienced and committed faculty places the Institute among the best in the state of Telangana. The college envisages and plans the education of young engineers for their holistic development.

This MRCET is an Autonomous Institution, UGC, Govt.of INDIA, Approved by AICTE, Govt. of India, New Delhi, Permanently Affiliated to JNTUH, Hyderabad, Accredited by NBA, New Delhi, India, Accredited by NAAC with A-GRADE, UGC, New Delhi, ISO 9001:2015 Certified Institution, Approved by Govt. of Telangana, India, UGC 2f & 12(B) recognized institution, UGC New Delhi.



2. VISION

- ❖ To establish a pedestal for the integral innovation, team spirit, originality and competence in the students, expose them to face the global challenges and become Pioneers of Indian vision of modern society.

3. MISSION

An institution is aimed:

- ❖ To become a model institution in the fields of Engineering, Technology and Management.
- ❖ To impart holistic education to the students to render them as industry ready Engineers.
- ❖ To ensure synchronization of institute ideologies with challenging demands of International Pioneering Organizations.

4. CORE VALUES

- ✚ Student Focus: Meeting community and student needs by creating an educational environment and culture so that the students can attain a variety of goals.
- ✚ Excellence: Maintain a high standard of integrity and performance leading to the achievement of academic and professional goals.
- ✚ Collaboration: Seeking input from all sectors and the stake holders of the college and the community.
- ✚ Diversity: Fostering a learning community in which the values, goals, and learning styles of all students are recognized and supported.
- ✚ Life-Long Learning: Serving enthusiastic, independent thinkers and learners striving for personal growth.



- ✚ Technological Advancement: Keeping pace with global technology trends and enhancing traditional instruction with technology to prepare students for success at work place.
- ✚ Supportive Atmosphere: We support an atmosphere of trust where communication and teamwork cultivate a rich environment for teaching and learning process.

5. QUALITY POLICY

To implement best practices in Teaching and Learning process for both UG and PG courses meticulously

- ✚ To provide state of art infrastructure and expertise to impart quality education.
- ✚ To groom the students to become intellectually creative and professionally competitive.
- ✚ To channelize the activities and tune them in heights of commitment and sincerity, the requisites to claim the never-ending ladder of SUCCESS year after year.

6. SWOC ANALYSIS

6.1 STRENGTHS

- ❖ Learning oriented ambience with academic discipline and dedicated faculties
- ❖ Visionary Leadership with highly qualified and efficient faculties
- ❖ High success rate in university exams
- ❖ State-of-the-art Infrastructure
- ❖ Advance campus facilities and equipped laboratories in all department
- ❖ Special mentoring through TG- scheme for personal attention and to keep track of students' progress



- ❖ Open spaces, lawns and gardens in campus supplement to elevate the grandeur of the environment and provide calm, peaceful and conducive atmosphere for academic pursuits
- ❖ Festivity campus environment with wide co-curricular and extra-curricular activities
- ❖ The campus is located on outskirts of Nagpur which has high industrial potential with Thermal stations, MIDC areas and metro projects.

6.2 WEAKNESS

- ❖ Student's intake from poor socio-economic background with low entry level scores and poor language competence
- ❖ Quiescent university curriculum inadequate to deliver industrial requirements.
- ❖ Unable to execute innovative plans due to impediment of financial resources due to delay in government procedures for reimbursement of scholarship and tuition fees.
- ❖ Less number of faculties with doctoral degree and industry experiences

6.3 OPPORTUNITIES

- ❖ To develop research centres in every department and get research grants
- ❖ To achieve Autonomous institution status
- ❖ To get national recognition in field of education
- ❖ To develop partnership and sign MoUs with nearby industries and research organizations to facilitate the students and the teachers
- ❖ Networking with other institutes and organizations
- ❖ To start Post Graduation Programs
- ❖ To receive Government funding and Research Grants



6.4 CHALLENGES

- ✦ Impediment in generating funds from tuition fees due to government delayed procedures.
- ✦ Dismal scenario of engineering field due to slow down in global and domestic market and low preference to private institutes.
- ✦ Student's inclination to IITs, NITs, IIMs and other government institutes.
- ✦ To maintain the higher teachers cadre ratio due to due to scarcity of competent Ph.D. holders
- ✦ To provide cent-percent employment and lack of Involvement of competent industry professionals
- ✦ To achieve 100% admission, as limited students are available in home university.
- ✦ Slack in result declaration by university and complexity in admission and examination procedures.
- ✦ Low scholastic factor and grave financial background of admitting students leads to poor performance.

Strategic goals of the institute were formulated after a brain storming session with Management, Principal and Faculties. After analysing the vision, mission, quality policy, core values, future goals, SWOC analysis, internal and external environment, the strategic goals were set up in all possible growth domains.



7. STRATEGIC GOALS OF THE INSTITUTE

- ❖ Enhancing effective teaching and learning process.
- ❖ Ensuring good governance.
- ❖ Ensuring student and faculty development and participation.
- ❖ Getting Accreditations from statutory bodies.
- ❖ Continuous Internal Quality Assurance System.
- ❖ Increasing Industrial and Alumni Interaction.
- ❖ Encouraging Research, Development and Consultancy work.
- ❖ Generating funds and grants from various schemes and policies of government and non-government organization.
- ❖ Ensuring Social engagement and Community service.
- ❖ Encouraging Skill Development.
- ❖ Enhancing Physical infrastructure, laboratories and other facilities.

8. STRATEGIC PLANNING AND DEPLOYMENT

Strategic Plan	Deployment
1. Effective teaching and learning process	<ul style="list-style-type: none"> ➤ Adopting innovative teaching methods ➤ Encouraging e-learning ➤ Developing Interactive learning by using videos, presentations, software and labs ➤ Implementing Project based learning ➤ Regular feedbacks from the students ➤ Increasing students employability factor ➤ Enhancing overall personality and confidence of student ➤ Providing career & personal mentoring & counselling to students ➤ Encouraging research work and assignment ➤ Continuous assessment by the multiple layers of hierarchy ➤ Establishing virtual labs and latest technology trends in departments



2. Good Governance	<ul style="list-style-type: none"> ➤ Developing E- governance ➤ Developing a proper working channel for smooth working ➤ Establishing internal audit committee for various departmental and institutional audits ➤ Leadership development through Decentralization ➤ Establishing various committees and cells for the institute development ➤ Establishing fair and transparent performance and appraisal system ➤ Simplifying the administrative work ➤ Regular performance evaluation of all departments ➤ Reviewing Internal Quality Management System
3. Student and faculty development and participation	<ul style="list-style-type: none"> ➤ Training sessions and Guest lectures on confidence building, motivation and life skills for students and faculties ➤ Establishing incubation and entrepreneurship cell ➤ Formation of department forums and student's committee ➤ Organising various competitions and social events at institute and departmental level for encouraging participation by students and faculties ➤ Rewarding the best performers and achievers in academics and in co-curricular activities. ➤ Developing facilities for recreation ➤ Establishing Research and Innovation cell
4. Accreditation from statutory bodies	<ul style="list-style-type: none"> ➤ Formulation of plans by top management and IQAC committee ➤ Resource and funds planning ➤ Constituting committees ➤ Inspection of the available institute and departmental data ➤ Creating and organizing all the required institutional and departmental data.
5. Internal Quality	<ul style="list-style-type: none"> ➤ Reviewing and updating IQAC plans and policy



Assurance System	<ul style="list-style-type: none"> ➤ Reframing of IQAC members and coordinator ➤ Framing vision and mission department wise for quality working ➤ Regular evaluation IQAC activities by the top management ➤ Developing effective IQAC initiatives for the quality improvement of the institute ➤ Developing E-Working system for the quick and effective working ➤ Initiating quality related suggestions from staff, faculties, students, alumni, employers and management ➤ Identifying the changing trends in the global education sector and implementing the required
6. Industrial and Alumni Interaction	<ul style="list-style-type: none"> ➤ Dedicated faculties and organized activities for alumni interaction building ➤ Establishing dedicated Alumni cell ➤ Generating and maintain the database of all alumni and industrial contacts ➤ Recognition of successful alumni ➤ Engaging faculties and students with alumni and experienced industrial persons by inviting them for guest sessions ➤ Receiving suggestions on latest requirements and technological trends from the industrial persons and alumni. ➤ Focusing on developing professional relations, generating sponsorships and signing MoUs with the industries ➤ Participating in various educational and industrial meets and conferences ➤ Supports for internships, visits, training and guest seminars ➤ Developing and establishing consultancy projects
7. Research and Development Work	<ul style="list-style-type: none"> ➤ Funds raising projects and proposals for the research work ➤ Apply for various governmental schemes for funds and grants ➤ Creating a dedicated Research and Development cell



	<ul style="list-style-type: none"> ➤ Implementing various research development work ➤ Organising research and project related events for the faculties and students ➤ Conducting seminars on recent and upcoming trends and technology ➤ Providing effective and updated Research facilities
8. Funds and grants from various schemes & policies of government and non-government organisation	<ul style="list-style-type: none"> ➤ Identifying and listing various schemes and policies of the government and educational bodies. ➤ Developing plans for promoting and generating sponsorships, funds and MoUs from private and multinational organisations ➤ Dedicated staff or team for the fund generating work ➤ Identifying the domains of the institute that requires funding
9. Social engagement and Community service	<ul style="list-style-type: none"> ➤ Resource and funds analysing for the social and community activity ➤ Analysing the social and community requirements in the surrounding rural areas ➤ Promoting and sponsoring educational awareness ➤ Initiating the UBA and NSS to design and organize community development drives and events ➤ Encouraging students to participate in social and community activities ➤ Organizing various social activities in college ➤ Conducting student's visits to ashrams, old age and orphanage homes
10. Skill Development	<ul style="list-style-type: none"> ➤ Conducting various skill development programs for the 10th and 12th passed outs; also for students and faculties of all colleges ➤ Establishing dedicated skill development center and infrastructure ➤ Applying for various governmental initiatives for skill development in the institute.



	<ul style="list-style-type: none"> ➤ Establishing a dedicated committee for promoting skill development in institute and in society.
11. Physical infrastructure and facility	<ul style="list-style-type: none"> ➤ Enhancing the classrooms and laboratories ➤ Planning and Analysing the requirement of facilities ➤ Establishment of e-learning and virtual labs ➤ Establishing various cells for dedicated purpose ➤ Enhancing basic amenities of the college ➤ Upgradation of departments and library ➤ Improving safety and security management ➤ Adopting efficient and economical sources for power, water and waste management ➤ Dedicated staff for infrastructure maintenance and regular audit of the facilities

9. ACCOMPLISHMENTS OF THE INSTITUTION

- ✚ Autonomous Institution, UGC, Govt. of India.
- ✚ Accredited by NBA Tier-I, AICTE, New Delhi.
- ✚ Accredited by NAAC-A Grade, UGC, Govt. of India.
- ✚ ISO 9001:2015 Certified Institution.
- ✚ 2f & 12(B) recognized institution, UGC, Govt. of India
- ✚ NIRF Ranked Institution (251-300 Band) in Engineering by MHRD, Govt. of India.
- ✚ Band 'A' ranked Institution by ARIIA-ATAL Rankings, Govt. of India.
- ✚ Four Star Ranking by IIC, Govt. of India
- ✚ Recognized as Mentor Institution by Ministry of Education & AICTE, Govt. of India
- ✚ NSS Unit recognized by JNTUH, Hyderabad.
- ✚ NCC Unit recognized by 1(T) ARTY BTY (ARTILLERY)



- ✦ Research Centre approved by JNTUH, Hyderabad
- ✦ MoU with NRDC, Govt. of India.
- ✦ AICTE-MHRD Institution Innovation Council, Ministry of HRD, Govt. of India.
- ✦ Recognition for AICTE LITE Minor Degree Program
- ✦ Industry Institute Partnership Cell (IIPC)
- ✦ Recognition of Scientific & Industrial Research Organization, DST, Govt. of India
- ✦ Life member of NHRD Network
- ✦ CISCO International Certification Authorized Centre.
- ✦ MoU with ESOL Examinations (BEC) University of Cambridge, UK.
- ✦ Approved to admit Foreign Students/PIO's
- ✦ Nodal Center: IIT – Bombay/Kharagpur and NIT Patna for Technology Transfer
- ✦ Microsoft Innovation Center for Certification
- ✦ NASSCOM Nodal Center for NAC-Test Assessment
- ✦ JAVA Certification through Oracle Academy
- ✦ Academic Partner – Wipro Technologies
- ✦ Business Incubation Centre – MSME, Govt. of India
- ✦ Global Education and Career Counseling Centre

10.RANKINGS & RATINGS

- ❖ Ranked 'AAAA' among India's Best Engineering Colleges –Careers360.
- ❖ Ranked Top 100 Best Engineering Institutions in India - Outlook Magazine.
- ❖ Ranked 5th among the Top Engineering Colleges of Excellence in CSR.
- ❖ Ranked Top 30 Best Engineering Institutions in India - India Today.



- ❖ Ranked 74th among the Top Private Engineering Institutions in India - Times of India.
- ❖ Ranked among the Best Engineering Colleges in India – The Week
- ❖ “Technical Institute Education Award” for outstanding performance in Technical Education – 24 MRC Network Private Limited.
- ❖ 13th Statewise Best Engineering Colleges Ranking by EDU Tech RAND.
- ❖ Recognized e.Gov Campus by Engineering Watch, Re-Engineering India.
- ❖ 9th Best B-School (Other than IIMs) in India for Academic Excellence - Silicon India.
- ❖ Certificate of Appreciation at EduTech 100 Summit, New Delhi for Implementation of New Age Tech Solutions by ASSOCAHM National Council on Education, India.
- ❖ Certificate of Appreciation at EduTech 100 Summit, New Delhi for Digital Distinction: Technology Conformance to NEP 2020 by ASSOCAHM National Council on Education, India.

11. ACADEMIC AND PROFESSIONAL TEACHING LEARNING BEST PRACTICES

- ✚ MOU with IBM for Technology Transfer.
- ✚ MOU with Tech Mahindra for Technology Transfer.
- ✚ MoU with Zensar Technologies for the Technology Transfer
- ✚ Microsoft Innovative Center
- ✚ Academic Partner – Wipro Technologies
- ✚ CISCO International Certification Authorized Centre
- ✚ Oracle Academic Partner for JAVA Certification
- ✚ Business English Certification (BEC) Centre, University of Cambridge, U.K.
- ✚ Oxford Achiever’s Certification, Oxford University Press, India.
- ✚ Robotics- Centre of Excellence.
- ✚ IELTS – British Council Authorized Examination Centre



- ✦ Institution Innovation Council under Innovation Cell, MHRD, Govt. of India.
- ✦ Global Education & Career Guidance Cell.
- ✦ Research & Development Cell.
- ✦ Institutional Member of ISTE.
- ✦ Member of IEEE XPLORE DIGITAL LIBRARY, TASK, DELNET, BRITISH LIBRARY
- ✦ IEEE, IETE, ISTE, CSI, SAE, NEN and HMA Professional Student Chapters.
- ✦ TCS ION Centre for GATE and CAT Examination.
- ✦ MOU with ATAL Incubation Centre, Sri Krishna Devaraya University, AP
- ✦ MOU with T-Hub, Govt of Telangana.

12. CONCLUSION

The strategic plan is an effort to sketch down a pathway for the development and accomplishing the goals of the institute. The framework is designed for conveying the goals of the institute for upcoming years. The proper implementation of strategic and regular evaluation will be carried out through team work with good spirit to lead success and sustainability over the time. The detailed deployment plans are not spelled due to planning restrictions. This plans may not be static and possibly be updated according to the requirements.




Dr. VAKA MURALI MOHAN

PRINCIPAL

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