

“Techno-Social Excellence”
Marathwada Mitramandal’s Institute Of Technology
(MMIT)
LOHGAON, PUNE – 411 047 (MS)



VISION DOCUMENT / STRATEGIC PLAN – WEF 2022-23

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Preamble:

The trust “Marathwada Mitramandal” was established in 1967 with a dedication of providing quality education to the society with the motto “Welfare of Masses”. Marathwada Mitramandal’s Institute of Technology (MMIT), Lohgaon was established in 2008 with vision “Techno-Social Excellence”. The institute is striving at its best to provide quality education to the students with a sense of social responsibility. The institute is approved by AICTE and is affiliated to the Savitribai Phule Pune University (SPPU). It also takes the initiative in supporting the education expenses of needy and financially weaker students.

The College offers the following Courses as:

Sr.	Course	Intake	Year of Establishment
1	Computer Engineering	120	2008
2	Mechanical Engineering	60	2008
3	Civil Engineering	60	2019
4	Mechatronics Engineering	30	2020
5	Artificial Intelligence and Data Science	30	2021

Vision of the Institution

The vision of the institution is “Techno-Social Excellence”. The vision of the institute is in line with the vision of the parent trust which is ensuring overall development of students through continual improvement and teamwork.

With this vision, MMIT is moving ahead to achieve excellence in providing technical knowledge and skills to the students by inculcating a sense of social responsibility. MMIT is also ensure providing quality technical education to students by grooming them for the development of professional skills with a sense of social responsibility. It also focuses on sustainable development of students to face global challenges.

Mission of the institution

The Mission of the Institution is to - Enhance technology transfer, Implement entrepreneurship, Promote global competency, Integrate innovative pedagogy, Create excellent human resource

Quality Policy

MMIT strives for imparting quality technical education by adopting best possible standards for continual improvement in skills with awareness of social responsibilities to meet expectations of stakeholders.

Further, to enhance the existing status and initiate the process of change / upgradation towards the growth and sustainability of the MMIT, a preliminary Perspective / Strategic Plan is prepared on after SWOC analysis and is proposed as below.

SWOC Analysis -

Strengths	Opportunities
<p>Accreditations / Approvals / Recognitions</p> <ul style="list-style-type: none"> - Recognized by AICTE, DTE (Maharashtra) - Affiliated to SPPU - Accredited by NAAC with “A” grade 	<ul style="list-style-type: none"> - To get re-accreditation from NAAC with higher CGPA / Grade - To get accreditation from NBA for eligible courses - To get permanent affiliation from SPPU - To get recognized under 2 (f) & 12 (B) of the UGC Act, 1956. - ISO Certified - 9001:2015, 14001:2015 & Green Education Campus. - Moving towards Autonomy from SPPU
<p>Infrastructure</p> <ul style="list-style-type: none"> - The State- of-the-art infrastructure facilities including specially designed classrooms, well equipped laboratories, tutorial rooms, central library, hostels and staff quarters - Dedicated playground of 7 acre - Spacious and excellently landscaped green campus with eco-friendly atmosphere 	<ul style="list-style-type: none"> - Can fetch the research projects from Industry. - Consultancy and services (Industry / Institute Sponsored projects)
<p>Governance</p> <ul style="list-style-type: none"> - ICT enabled classroom - Extensive use of e-Learning resources 	<ul style="list-style-type: none"> - Effective implementation of ERP - Moving towards e-Governance
<p>Management</p> <ul style="list-style-type: none"> - Encouraging and supportive management for fulfilling vision of the institution 	<ul style="list-style-type: none"> - Further growth and development of the institute - Guidance in total quality management - Ensure Quality assurance amongst the stakeholders
<p>Diversified sister concern institutes</p> <ul style="list-style-type: none"> - Variety of technical and non-technical courses under different institutes are run by the parent trust in the diversified areas of Engineering, architecture, law, commerce, pharmacy, diploma, journalism, etc. 	<ul style="list-style-type: none"> - Coping with forthcoming changes in education due to NEP 2020 - Collaboration with sister concern institutes for interdisciplinary studies - Introduction of Skill based, interdisciplinary and multidisciplinary credit courses

Weakness	Challenges	Roadmap for cope up
Academics Diversity of students in terms of cut-off	Difficulty in implementation of uniform teaching policy	Stronger academic policy and its implementation for diversified students
Syllabus constraint	Bridging the gaps, skill development, contents beyond the syllabus	Implementation of Add on / Value Added Courses, Guest Lectures from industry Academia be planned
Scattered and stretched academic calendar	Constraints of participation of students in co-curricular and extracurricular activities	Planning technical events, Co-curricular and extracurricular activities at Institute level. Moving towards Autonomy.
Research Few publications, projects, patents,	Not able to fetch the grants. Possible impact from accreditation bodies	<ul style="list-style-type: none"> - Identify the thrust areas for research - Provision of seed money for the institute level projects. - Collaboration with industries and other research organizations
Finance resource management	Impact on research publications and R&D activities	<ul style="list-style-type: none"> - Apply for Research proposals / Other QIP Grants from central / state agencies for funding - Improve consultancy and services
Placements Placements in core companies	Improving placements in core companies	<ul style="list-style-type: none"> - To enhance tie-ups with by strengthening industry-institute interaction - Promote students for industrial training / internship
Others Sustaining Competition	Increase in the intake of engineering and competition from private universities	Sustainable quality and incremental improvement in all respect
Geographical constraints of location	<ul style="list-style-type: none"> - Connectivity of the institute with other parts of the Pune city - Admitting the students from all corners of the Pune city 	<ul style="list-style-type: none"> - Further enhancing and strengthening the current institutional transport service - Further increase in the hostel capacity
Inclination of newly admitted students towards emerging areas courses	Students with higher cut-off and merit are inclined towards emerging area	Introducing interdisciplinary / multidisciplinary add-on / value added courses and promoting minor degree

Vision / Goals / Strategic Plan and Time Schedule

The vision document and the strategic plan for the institute is prepared on the basis of following parameters -

1. Curricular aspects and enrichment
2. Research and extension services
3. Infrastructure development & Learning resources
4. Governance and faculty empowerment
5. Student empowerment, enhancing Training & Placement activities
6. Institute social responsibility

1. Curricular aspects and enrichment

Target / Strategic plan	Short Term 2 - 5 Yrs	Long Term 6 - 10 Yrs
Deciding the benchmarks for overall institute developments Constitute academic teams and visit renowned institutions affiliated to the University for knowing best practices adapted in their institutes.	✓	
Value addition in curriculum Planning to organize value added course, add-on courses, certification courses to minimize the gap between industry requirement and curriculum	✓	
More emphasize on Outcome based education and accreditation of NBA Devise the mechanism for continuous Assessment and evaluation to measure outcomes.	✓	
Permanent Affiliation from University To obtain Permanent Affiliation from University for all courses	✓	
Re-accreditation from NAAC Re-accreditation from NAAC with higher grade	✓	
Accreditation from NBA for all courses Accreditation of all courses from NBA, Re-accreditation from NAAC with higher grade than existing,		✓
To achieve academic autonomy To achieve academic autonomy and emerge as a center of excellence		✓
To cope up with the NEP-2020 To cope with the National Education Policy (NEP-2020), interdisciplinary / multidisciplinary skill-based courses can be introduced within the institute or in collaboration with other institutes / sister concern institutes		✓

2. Research and extension services

Target / Strategic plan	Short Term 2 - 5 Yrs	Long Term 6 - 10 Yrs
Enhancing R&D activities Identification of core and thrust areas for Enhancing R&D activities with available resources	✓	
Enhancing the publications Enhancing the publications in reputed National and International journals	✓	
MoUs with Industries To further collaboration with industries for MoUs for multi-disciplinary and inter-disciplinary development	✓	
Consultancy activities To initiate consultancy services through core branches	✓	
Incubation center and startup To establish and Strengthen Incubation Centre & Startups in association with MCIII	✓	
Establishing Centers of Excellence and industry sponsored laboratories To develop Centers of Excellence in for Mechanical and Mechatronics discipline and develop industry sponsored laboratories in all the departments		✓
Resource Generation To fetch the sustainable grants through research projects and consultancy through Industry Institute tie-ups and partnerships		✓

3. Infrastructure development & Learning resources

Target / Strategic plan	Short Term 2 - 5 Yrs	Long Term 6 - 10 Yrs
Introduction of new courses in emerging areas Planned to commence new courses in emerging areas with multidisciplinary and interdisciplinary approach	✓	✓
Enhancing learning resources Further enhance the learning resources and infrastructure required for enrichment of existing and planned courses	✓	
Effective implementation of ERP Effective implementation of ERP for LMS for teaching learning	✓	
Increasing hostel capacity Increase in the hostel capacity in view of the increase in the admissions and demand for hostels	✓	
To develop computer utility centre To develop 100% computer enabled student friendly computer utility and facilitation center.	✓	
Focus on eco-friendly environment, water and energy management To establish eco-friendly clean environment with excellent water and energy management.	✓	
Developing the sports ground Developing full-fledged sports ground with all necessary amenities to be able to host professional sports activities		✓
Auditorium Building the full-fledged professional level auditorium with a minimum capacity of 500 chairs		✓

4. Governance and faculty empowerment

Target / Strategic plan	Short Term 2 - 5 Yrs	Long Term 6 - 10 Yrs
Sincere efforts to fill-up vacancies in faculty positions Recruitment of experienced, competent faculties to fulfill the requirements of cadre ratio and SFR	✓	✓
Faculty empowerment Extending support to faculty for pursuing higher education, research engagements, pursuing grants, paper publications, presentations, FDPs, STTPs, Workshop, FDP on Entrepreneurship, etc.	✓	
To improve Faculty Qualification. Moving towards 100 % faculty should be with Ph.D. Qualification	✓	✓
Honorary / distinguished Faculty Provision for appointing distinguished Honorary Faculty	✓	✓
Support to administrative and technical staff To sponsor administrative and supportive Technical Staff for continual training in new technology and modern working methods.	✓	✓
To organize State / National Conference, workshops, symposia	✓	✓
On-the-job training Encouraging faculties for on-the-job training in industry and improving competency	✓	✓
Inviting industry experts for technical know-how Inviting Industry Experts for interaction with faculties for knowing technical know-how and current requirements of technical skills in the industry	✓	✓
To organize International Conference, workshops, symposia		✓

5. Student empowerment, enhancing Training & Placement activities

Target / Strategic plan	Short Term 2 - 5 Yrs	Long Term 6 - 10 Yrs
To establish student chapters of professional societies. To establish student chapters of professional society in all the departments and further enhancing activities	✓	
To increase awareness for Entrepreneurship To organized Entrepreneurship Awareness / Development Camp	✓	
To establish Collaborations / MOUs <ul style="list-style-type: none"> - To establish collaborations / MoUs with industries / organizations for Employability Skill Development, training, on the job training, internship, placement & inviting Industry Experts for faculty / students training - Possible collaborations with academic institutes of National importance 	✓	
Internships & sponsored projects Initiating tie-up with industries for internship and sponsored projects	✓	
Co-curricular and Extracurricular Activities <ul style="list-style-type: none"> - To improve the capabilities of students for success in competitive / entrance examinations (GPAT / GRE / TOFEL / IELTS / CAT / MAT). - To participate actively in co-curricular and extracurricular activities at State / National / International level. (Innovation / Avishkar, etc) 	✓	
Developing student skill sets Developing modules from first year to final year consisting of interpersonal skills, team work, communication skills, interview skills, etc.	✓	
Moving towards 100% placement <ul style="list-style-type: none"> - Implementation of above measures - Increase number of placements drives in core companies 	✓	✓
Alumni engagement Increase activities through alumni association, leverage for guest lecturers/internships/placement	✓	✓
To facilitate faculty and student exchange programs through national / International collaborations.		✓

6. Institute social responsibility

Target / Strategic plan	Short Term 2 - 5 Yrs	Long Term 6 - 10 Yrs
Support to the needy students for welfare Continuing the educational and financial support for the education and welfare	✓	✓
Stakeholders involvement <ul style="list-style-type: none"> - To strengthen the involvement of all stakeholders including Parent, Alumni, recruiting companies for contributing to the technical and social activities of the institute - To further strengthen Alumni Association for placement, training, mentoring etc. & financial contribution for the welfare of needy students, Society and Institute. 	✓	
Awareness programs / initiatives <ul style="list-style-type: none"> - To conduct public awareness program about Engineering courses - Prepare Videos for uploading on social media for public awareness 	✓	
Social activities through NSS Further enhancing the social activities for the welfare of the society through NSS	✓	✓

Conclusion:

This vision document is prepared after thorough brainstorming sessions and SWOC analysis. Currently, some of the steps have already been in place to achieve desired goals. The review of the new initiatives and its progress will be reviewed periodically in order to take suitable corrective actions. It is believed that moving further with this vision document and with sincere efforts of all stakeholders, significant growth of MMIT will be ensured.