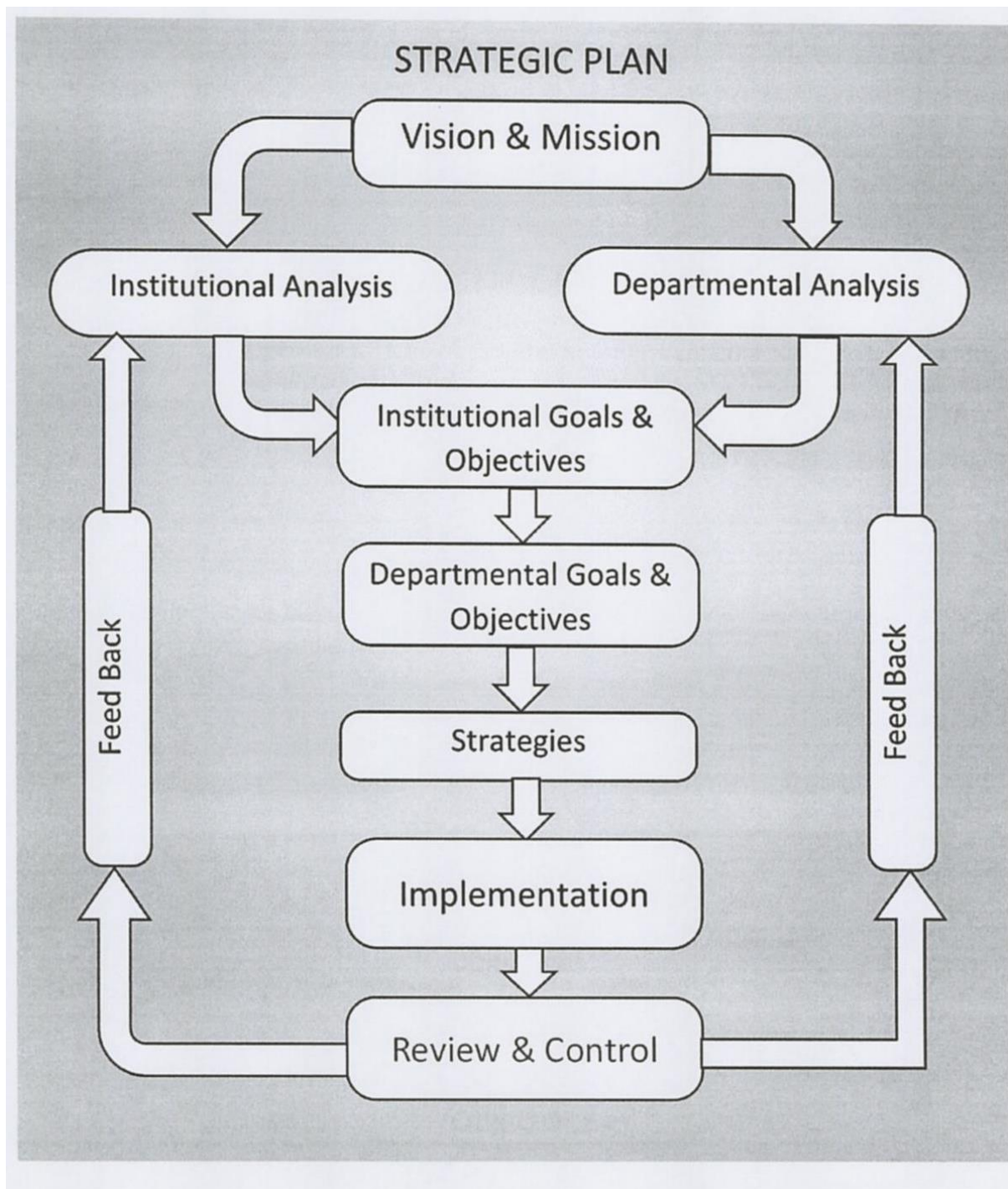




### 6.1.1 Institutional Perspective Plan (2023-28)





# **MANDAVA INSTITUTE OF ENGINEERING AND TECHNOLOGY,**

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## **Genesis and Growth**

MIET was established in 2007 with the aim to provide and promote quality higher education and research on par with international standards and to train young men and women able and eager to create and put into action ideas, methods techniques and information. It persistently seeks and adopts innovative methods to improve the quality of higher education. MIET is committed to the highest standards of academic excellence, inculcating learning skills, creativity, teamwork and leadership. The world class facilities – computing, laboratory and other educational and recreational facilities, library etc., aid and enrich the process of learning.

## **Our Vision**

To establish a unique centre for the promotion of technical education of quality standards leading to result oriented research in various fields, to sustain existing and future technological innovations towards socio-economic development.

## **Our Mission**

Mandava college provides students with quality educational experiences and support services that lead to the successful completion of degrees, transfer, certificates, career/technical education and basic skills proficiency. The college fosters academic and career success through the development of critical thinking, effective communication, creativity, and cultural awareness in a safe, accessible and affordable learning environment. In meeting the needs of our demographically diverse student population, we embrace equity and accountability through measurable learning outcomes, ethical data-driven decisions and student achievement.

## **Quality Policy**

To pursue standards in all endeavours, with a holistic educational motive of continuous monitoring, evaluation and improvement, aiming at the total satisfaction of the stakeholders.

## **Quality Objectives**

- Maintaining state-of-the art infrastructure and congenial learning environment.
- Enhancing the competencies of faculty by making them adaptable to all modern and innovative methods in teaching-learning process
- Promoting research and development programme for the growth of economy.
- Ensuring continuous improvement of Quality Management Systems to meet the needs and requirements of all its stakeholders

## **Values and Core Principles**

The culture of an institution is a shared system of values, beliefs and attitudes that Shapes and enhances behaviour. "The culture is determined through the organization from top to bottom



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and we must live our values to continuously improve." We define our culture broadly by six operating Core Principles that guide us.

**1. Student Focus** - The primary focus is not only to educate the students but to inspire them to become innovative and contribute to the society.

**2. Strengthen Faculty and Staff** - The faculty inspire us and direct all we do academically." The staff deliver the administrative services and partner with the faculty. "Newer inputs have to be added continuously to the capabilities of people.

**3. Foster Leadership and ethical decision making** - Leadership and ethical decision making are essential for the growth of the organization and individual.

**4. Committed to accountability and excellence** - If we are to remain relevant and attract the best of the students and faculty the culture of excellence shall pervade the whole institution both in academic and administrative areas.

**5. Focus on Resource Management** - The financial well-being of an institution is critical for its success. "We embrace responsibility-centred Management for improving our financial strength.

**6. Heighten Reputation** - All the units of the institution will gain in many ways through \* reputation and it is everyone's endeavour to add to the reputation.

While our strategy for action may not directly reflect our core principles, they invariably go into our basic planning & development processes. It is our endeavour to improve continuously, with the suggestions of our academia, public, Alumni and students, without abandoning our culture and core principles.

## Long Term Goals (2023-2028)

### LG 1 : To Create Centres of Excellence

- Creation of Centres of Excellence (COE) by utilizing the resources each cluster.

### LG 2: To Provide Modern Infrastructure Facility

- Develop infrastructure for carrying out R&D activities
- Academic infrastructure to be strengthened further
- Strengthen campus wide networking
- Modernization of laboratories
- Upgradation of Central Library
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### LG 3 :To have 70% of Faculty with PhD qualification

- Encourage faculty to register for PhD
- Support faculty who have already registered to complete their PhD



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- Recruitment of faculty with PhD from premier Institutions in specialized area/industry expertise.

#### **LG4: To facilitate students to become entrepreneurs (incubation centre)**

- Conduct Business Plan and Idea Competition.
- Encourage more campus companies to provide start-up opportunities for our students.
- Provide the necessary infrastructure for incubating the ideas
- Bring in mentors to hand hold the students with innovative ideas.
- Provide the seed fund to develop prototype
- Provide the seed fund to develop prototype

#### **LG 5: To make use of technologies for providing skill sets and additional self-learning**

- Adopt digital learning, e-learning solutions, and interactive sessions.
- Encourage self-learning techniques
- Adopt blended learning to maximize student learning.

#### **LG 6. To collaborate with Foreign/National institutions of higher learning and research organisations**

- Collaborate with reputed Foreign universities/Institution.
- Faculty exchange programs
- Partnership programs
- Collaborate with universities/Institution of repute for research activities.
- Best practices from reputed academia & industry to bring holistic learning experiences.

#### **LG 7: To establish collaborative laboratories with the support of industry**

- Set up laboratories to pursue research with some of the reputed companies
- Create experiential learning opportunities by providing live industry project



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## **Short Term Goals (2023-26)**

### **SG 1. Permanent JNTUK affiliation, NAAC Accreditation & NBA Accreditation for all eligible programs.**

- As we are affiliated to JNTUK, it is required to work towards getting permanent affiliation for all eligible programs.
- It is required to get all the eligible UG & PG programs accredited by NBA from time to time.
- To have accreditation status by NAAC from time to time.

### **SG 2. Strengthen the campus Facilities and Support systems**

- Augmenting the laboratories to stay relevant.
- Online access to material on website, to further augment library resources to meet the growing needs in academia and research.
- To upgrade the internet bandwidth to support the continuous utilization of the increased usage to cater to the entire campus including hostel requirements.

### **SG 3. Enhance the Output in Research and Consultancy**

- To enhance the quality of research publications by motivating faculty to publish in reputed journals.
- Focus on increasing the external funded research projects.
- Research with international collaborations
- Fostering Industry sponsored R&D projects
- Enhanced Consultancy projects.

### **SG 4. Development of new Curriculum**

- Periodically design and develop for UG and PG Programs post academic autonomy
- Introduce course end survey.
- Introduce industry relevant courses.
- Encourage interdisciplinary projects

### **SG 5. Foster Creativity and Innovation**

- Establishing Centres of Excellence
- Establish Incubation Centres



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- Apply for more patents to protect IP
- Explore possibility of patent commercialization

## **SG 6. Improve teaching learning Process**

- Implement pedagogical innovations: active learning, open ended experiments
- Extended classrooms (virtual class rooms): Lecture capturing
- Blended learning: E-learning, virtual labs, MOOCs, Social learning
- Comprehensive course implementation

## **SG 7. Organizing Technical Events**

- Conduct events in cutting edge technologies and recent trends & developments across various domains
- Conduct Seminars & Expert Lectures through professional bodies
- Increase industrial visits and make it more accountable
- Conduct international conferences/symposia and pre conference workshops

## **SG 10. Enhance Industry Institute Collaborations**

- Enhancing the number of MOUs with Industry and revisiting the existing MOUs based on its merits.
- Adjunct Faculty: Industry experts delivering part of the courses
- Collaboration with Industries for research and innovative projects.
- Increasing the connect with the Industry through guest and expert lectures.

## **SG 11. Infrastructure requirement for e-Governance**

- Creation of database for online submission of documents for approval to regulatory bodies
- Automate academic/administrative process and develop metrics to assess the performance from time to time.
- Create a database to maintain the student records online
- Create process for examination and evaluation activities with secured database