



MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Recognized under UGC 12B & 2f Act



2.6.1: Programme and course outcomes for all the Programmes offered by the institution are stated and displayed on website and communicated to teachers and students

Note: The supporting documents for this metric exceed the upload limit of 6 Mb. Hence the documents are made available in HEI website and links for the metric is given below.

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2.6.1 Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

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1. Vision and mission of the Institute

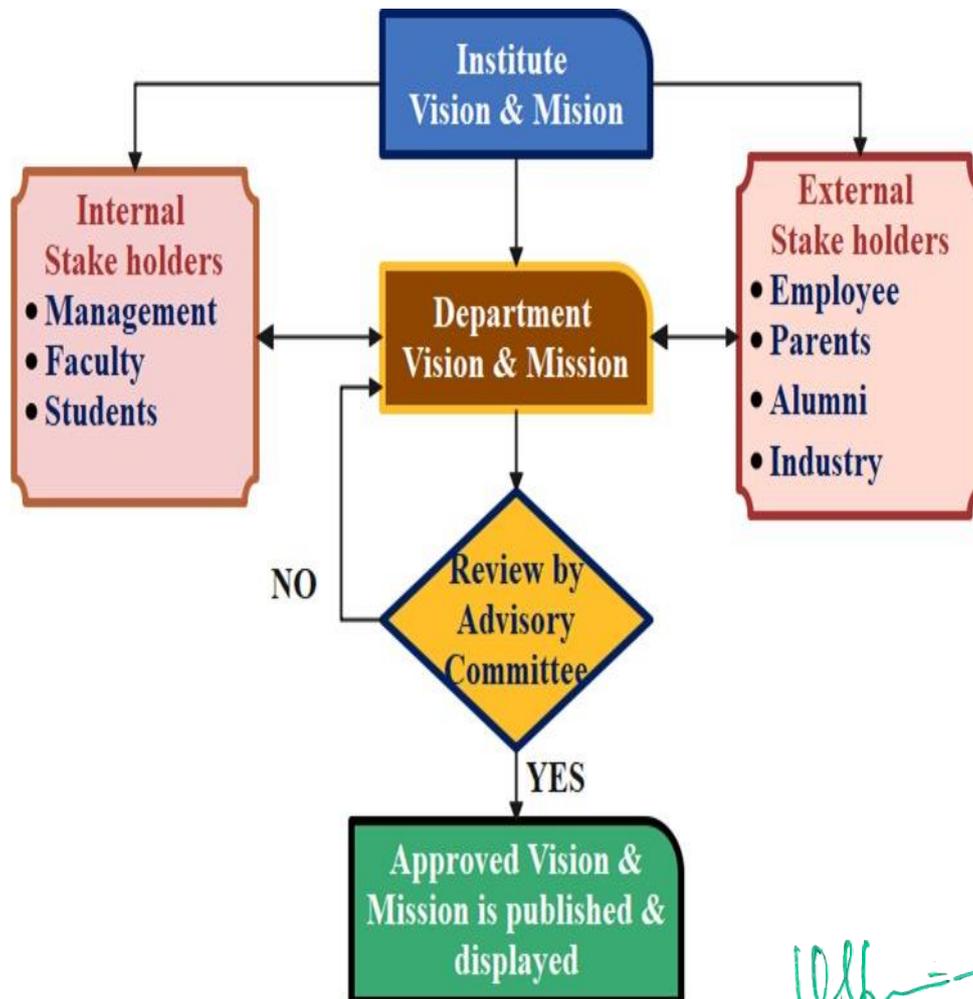
Vision

“To be an eminent institute for higher education and research through innovative teaching-learning and sustainable practices to meet the industrial and societal needs”.

Mission

- To impart quality technical education by transforming students into professionally competent technocrats.
- To nurture the students in all-round sustainable development, for career and self employability.
- To inculcate critical thinking, professional ethics with civic responsibilities by instilling values.

Process to Define



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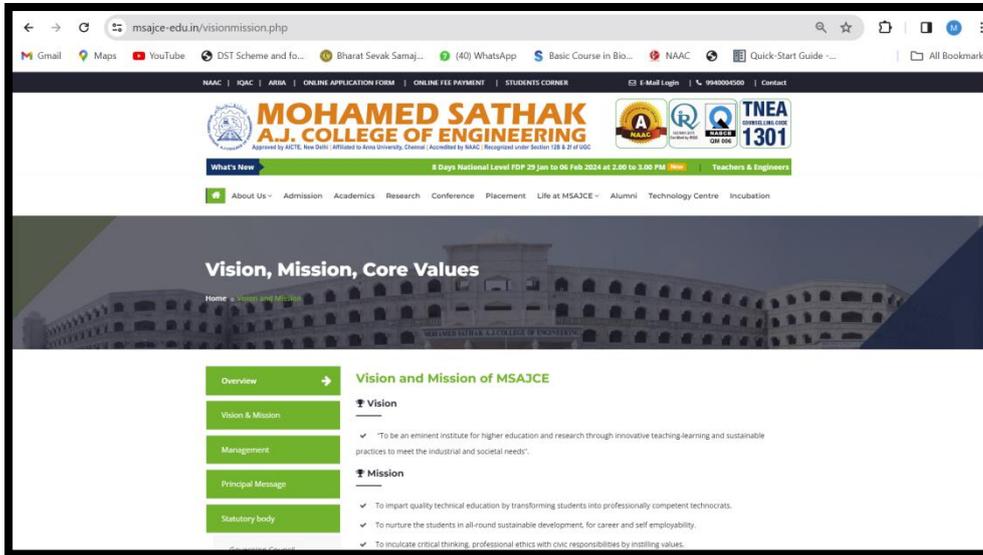
**2. Vision, Mission and PEOs are published and disseminated among stakeholders.**

Location	Institute		Department			Stakeholders
	Vision	Mission	Vision	Mission	PEO	
Website	✓	✓	✓	✓	✓	Faculty, Students, Alumni, Parents, Employers, Society.
Principal Office	✓	✓				Faculty, Students, Alumni, Parents, Employers.
HoD Room	✓	✓	✓	✓	✓	Faculty, Students, Alumni, Parents.
Staff Room	✓	✓	✓	✓	✓	Faculty, Students, Alumni, Parents.
Laboratories			✓	✓	✓	Faculty, Students.
Course files, Lab Manual	✓	✓	✓	✓	✓	Faculty, Students.
Department Newsletter	✓	✓	✓	✓	✓	Faculty, Students, Alumni.
Placement Office	✓	✓				Faculty, Students, Employers.
Library	✓	✓				Faculty, Students.

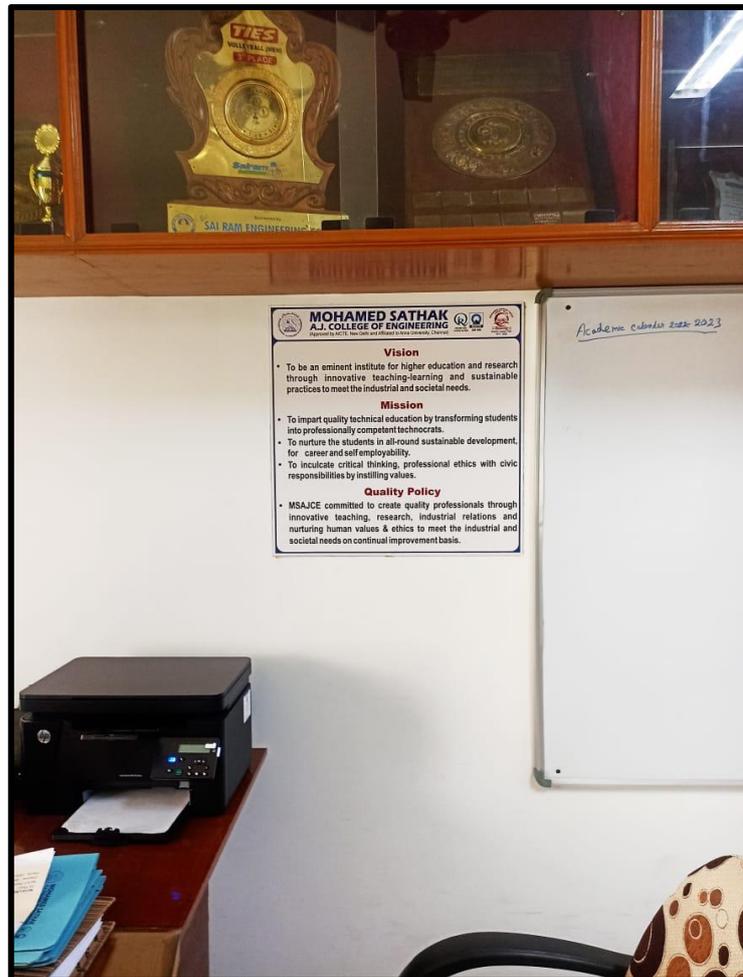
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3. Screenshots of Vision and mission of the Institute in website



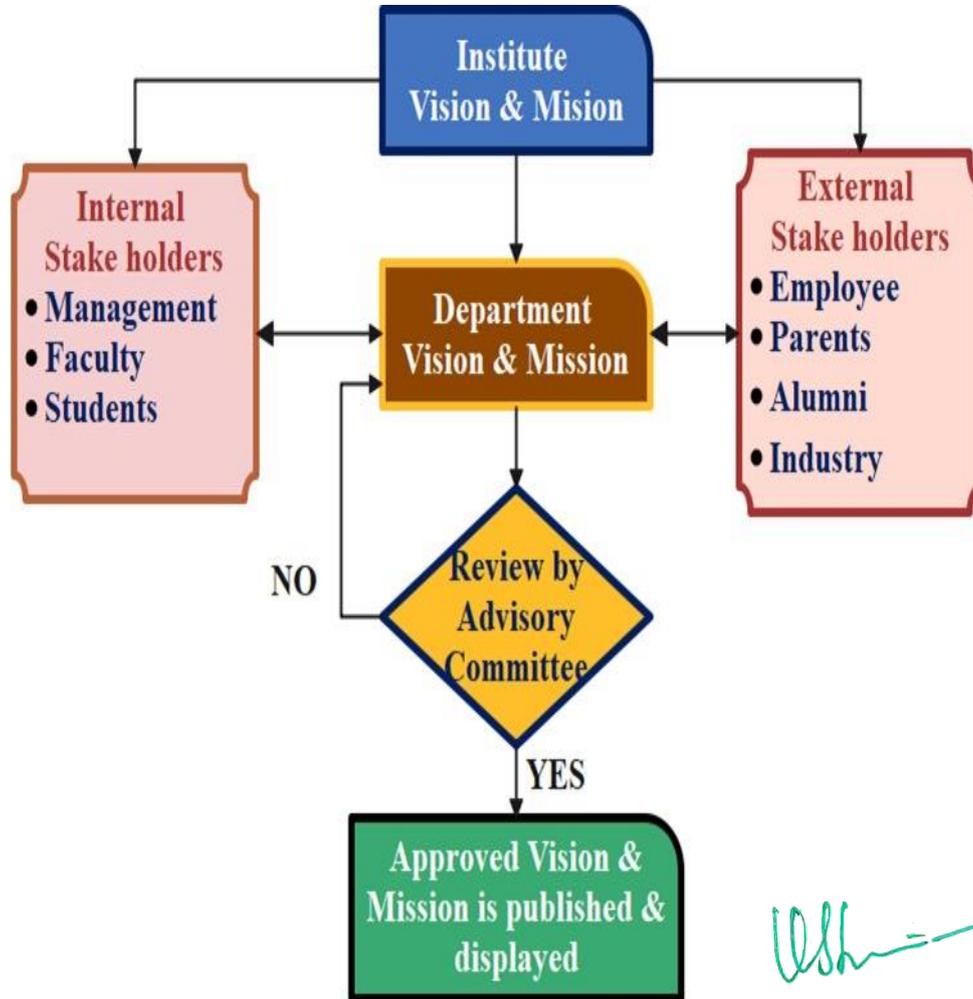
4. Photos of Vision and mission of the Institute at MSAJCE



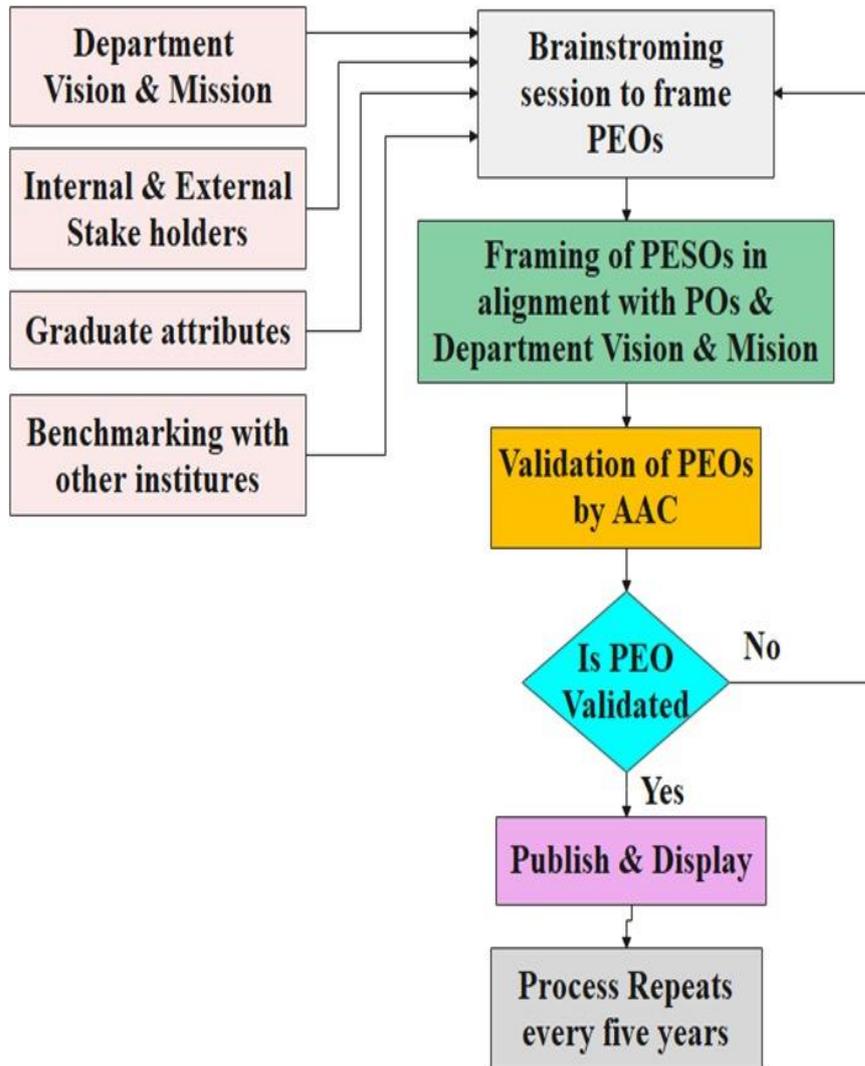
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5. Process to Define Vision, Mission, PEO & PSO of the Department



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6. Vision and mission of the Department

Vision

To be a centre of excellence for transforming students into proficient Electronics and Communication Engineers, through sustainable practices.

Mission

- M1. Impart core fundamental knowledge and necessary skills in Electronics and Communication Engineering, through innovative teaching and learning methodology.
- M2. Inculcate critical thinking, ethics, lifelong learning and creativity needed for industry and society.
- M3. Cultivate the students with all-round competencies, for career, higher education and self Employability.

Programme Educational Objectives (PEOs)

PEO1. Graduates will be prepared for designing Electronics and Communication components and systems with creativity and sustainability.

PEO2. Graduates will be skilled in the use of modern tools for critical problem solving and analyzing industrial and societal requirements.

PEO3. Graduates will be prepared with managerial and leadership skills for career and starting up own firms

Program Specific Outcomes (PSOs)

Engineering Graduates will be able to

PSO1. Apply the acquired knowledge in analyze, develop and test creative solutions for Electronics and Communication Systems and its application.

PSO2. Provide cost effective and eco-friendly solutions for real time problems of Industrial and societal needs using Embedded & IOT tools.

Programme Outcomes (PO)

PO1.	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2.	Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3.	Design/Development Of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

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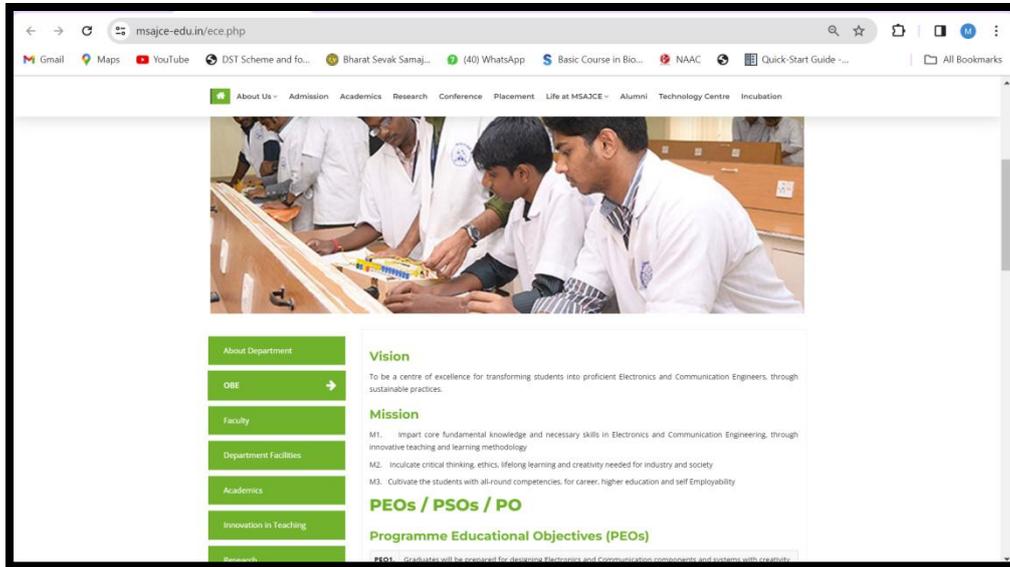


PO4.	Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5.	Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6.	The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7.	Environment and Sustain ability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8.	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9.	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.
PO10.	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11.	Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
PO12.	Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

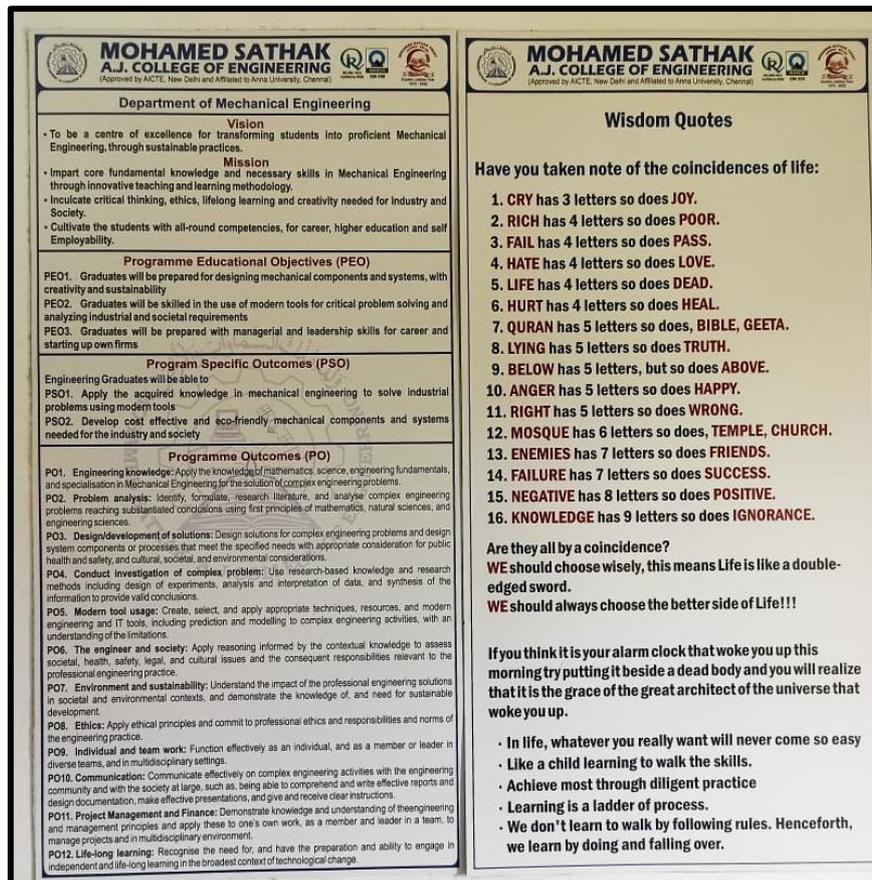
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7. Screenshots of Vision and mission of the Department in website



8. Photos of Vision and mission of the Department at MSAJCE



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