


Program Outcomes

Program Outcomes Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **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.
3. **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.
4. **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.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. **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.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **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. 3
11. **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 multidisciplinary environments.
12. **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.



Dr. (Mrs) Geeta S. Lathkar
Director
MGM's College of Engineering
Nanded


MAHATMA GANDHI MISSION'S
COLLEGE OF ENGINEERING, NANDED.
 Department of
 Computer Science and Engineering

VISION
 To be one of the leading Departments for Computer Science & Engineering education, developing proficient Engineers with global acceptance in the service of mankind.

MISSION

1. Providing technical skills with strong fundamentals of Computer Science discipline with an emphasis on software development.
2. Instilling analytical, programming and multidisciplinary skills to enhance employability.
3. Fostering problem-solving, team-building, and lifelong learning skills with societal, environmental and ethical sense.
4. Developing researchers and entrepreneurs to solve real-life problems through industry interactions and collaborations.

Program Educational Objectives (PEOs)
 Graduates of Computer Science & Engineering employed should be able to -

1. Analyze Computer Science & Engineering techniques, relate them with real life problems and provide solutions that are technically sound, economically viable and socially acceptable.
2. Utilize acquired programming, analytical, design and implementation skills to formulate and solve computational problems.
3. Evolve as competent professionals, researchers and entrepreneurs having collaborative and leadership skills with effective communication abilities to pursue appropriate career options and become capable of working in multi-disciplinary environment.
4. Excel as socially committed Computer Engineers having good human and ethical values.

Program Specific Outcomes (PSOs)
 Pass out Students of Computer Science and Engineering program should be able to -

1. Apply knowledge of core courses and emerging areas including Data Science, AI/ML, Cloud Computing, Information Security, Image Processing for solving real life problems.
2. Design and develop software and hardware systems using latest technologies, programming languages, and open-source platforms.
3. Apply standard software engineering principles and professional skills to create solutions that meet industry needs.

MGM ckg, 58HF+VPC,
 Airport Rd, Ambekar Nagar,
 Lat: 19.179502, Long: 77.323965
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MAHATMA GANDHI MISSION'S
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Department of
Computer Science and Engineering

Program Outcomes (POs)

Program Outcomes for an Engineering Graduate defined by National Board of Accreditation

Graduate Engineers should be having the following abilities

1. Engineering knowledge: Apply the knowledge of science and engineering to solve complex engineering problems.
2. Problem analysis: Analyze complex engineering problems and synthesize solutions for it.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes taking care of public health, safety, cultural, societal, and environmental needs.
4. Conduct investigations of complex problems: Ability to apply research-based knowledge and methods for analysis and interpretation of data, and synthesis of information.
5. Modern tool usage: Create, select, and apply techniques, resources, and modern engineering and IT tools for the design, modeling, simulation and analysis.
6. The engineer and society: Apply reasoning and knowledge to assess societal, health, safety, legal and cultural issues relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the engineering solutions on society & environment, and work for sustainable development.
8. Ethics: Ability to apply professional ethics and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse multidisciplinary teams.
10. Communication: Ability to communicate effectively with both engineers and society.
11. Project management and finance: Ability to apply engineering and management principles to manage the multidisciplinary projects.
12. Life-long learning: Ability to engage in independent and life-long learning.

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Nanded

MGM's ▶ NAAC Info ▶ MGM Mail

College of Engineering, Nanded
Affiliated to Dr. B.A.U., Lonere. Accredited by NAAC with B++ Grade (2018);
 NBA Accredited (2016-09), Approved by AICTE, New Delhi

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Civil Engineering

Programmes

Sr. No.	Course Name	Start Year	Duration (Years)	Type	Intake Capacity
1	B.Tech Civil Engineering	1984	04	Full Time	60
2	M.Tech Structural Engineering	2010	02	Full Time	18

Undergraduate program
 Program outcomes:

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

PROFILE

PROGRAMMES

FACULTY PROFILE

LABORATORIES

TRAINING AND INTERNSHIP

RESEARCH & PUBLICATIONS

ACHIEVEMENTS

POs displayed on Institute Website

mgmcen.ac.in/computer-science-engineering/programmes.aspx

Programmes

Sr. No.	Course Name	Start Year	Duration (Years)	Type	Intake Capacity
1	B. Tech. Computer Science & Engineering	1984	04	Full Time	120
2	M.Tech. (Computer Science & Engineering)	2003	02	Full Time	18

Program Outcomes[PO]

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2. Problem Analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
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4. 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.
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6. The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal,

PROFILE

PROGRAMMES

FACULTY PROFILE

LABORATORIES

TRAINING AND INTERNSHIP

RESEARCH & PUBLICATIONS

ACHIEVEMENTS

DEPARTMENTAL ACTIVITY

CVC

CSI

DOWNLOADS

RESOURCES/CONSULTANCY

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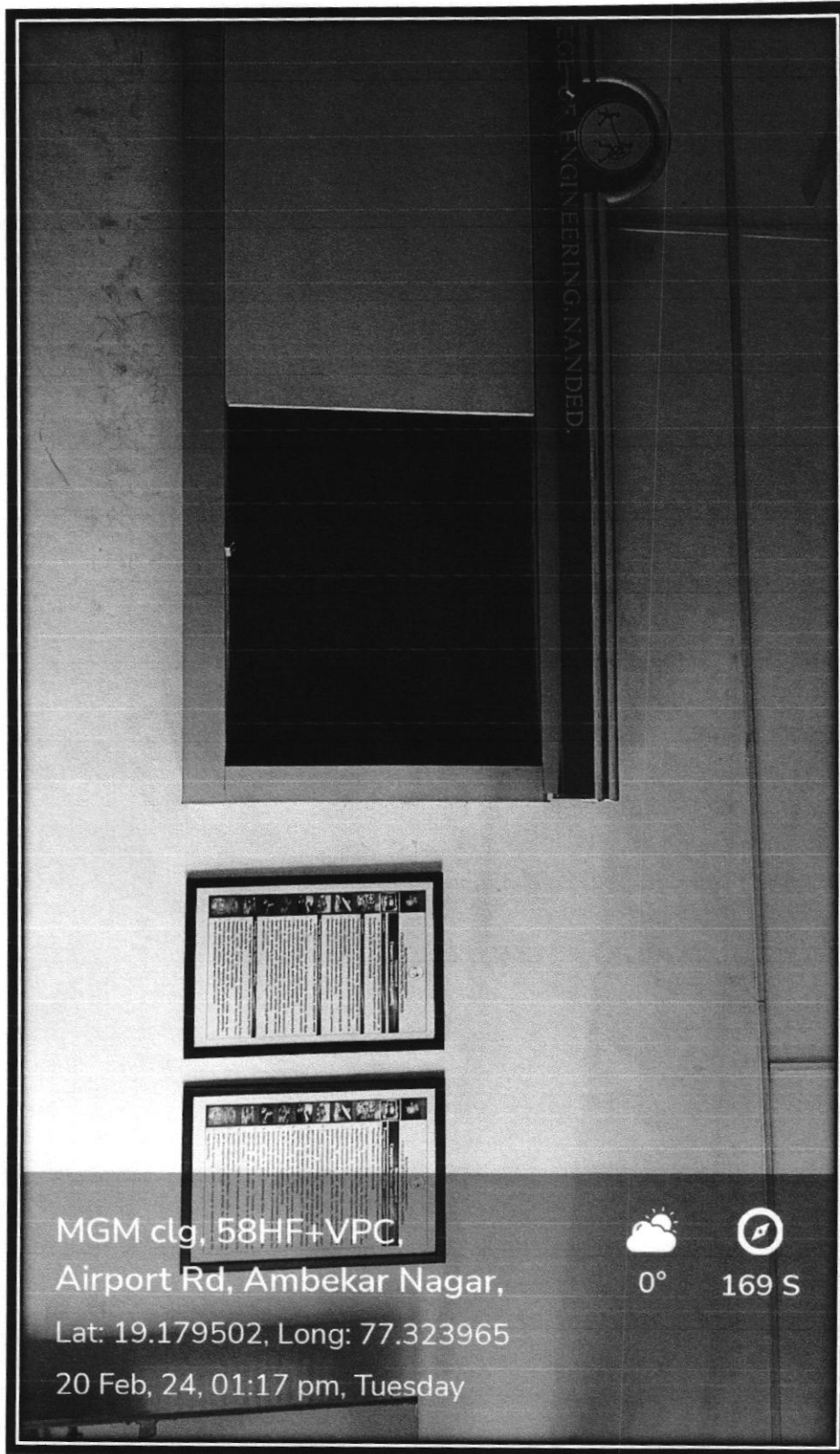
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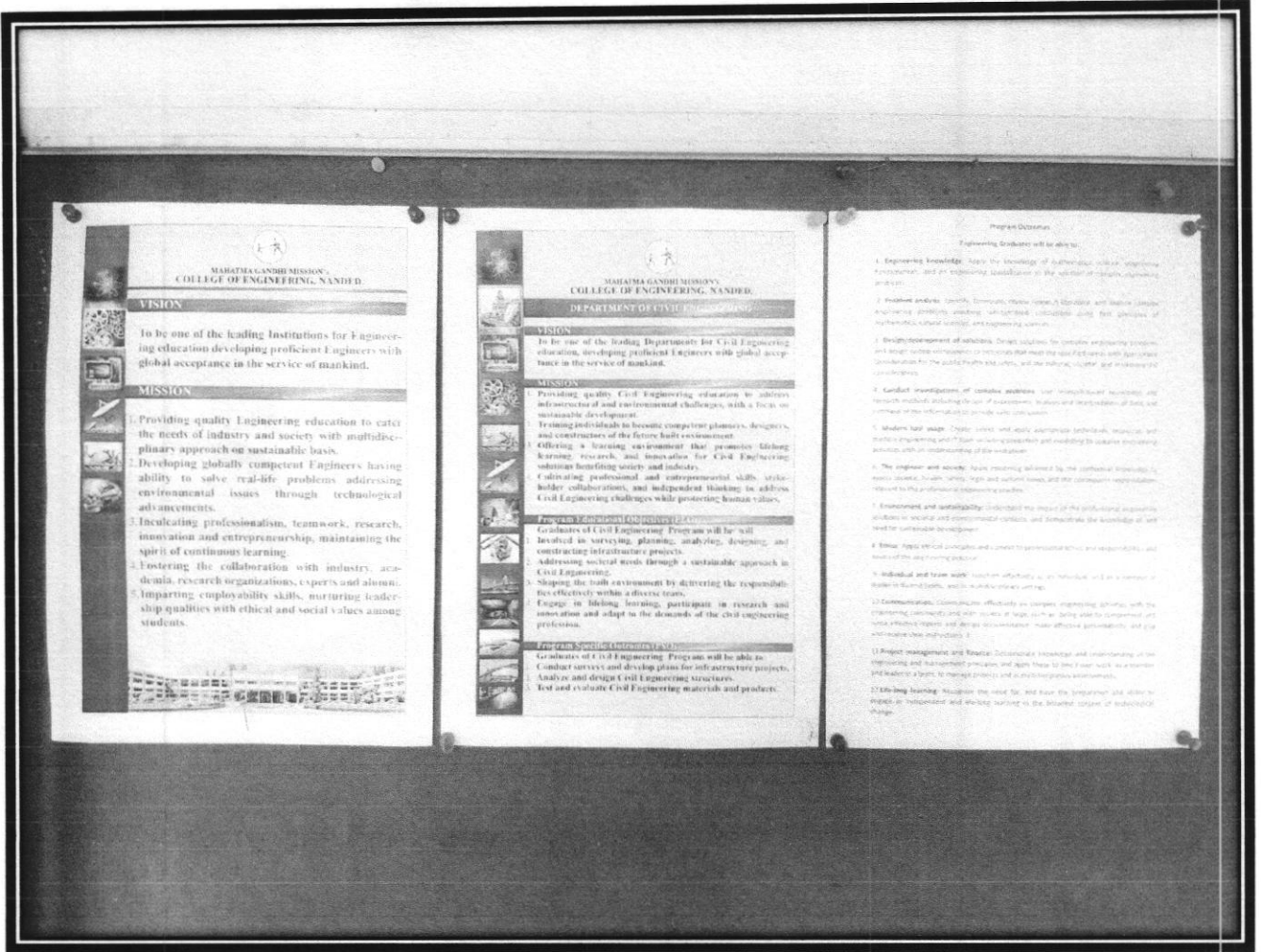
POs display at prominent places in the Institute


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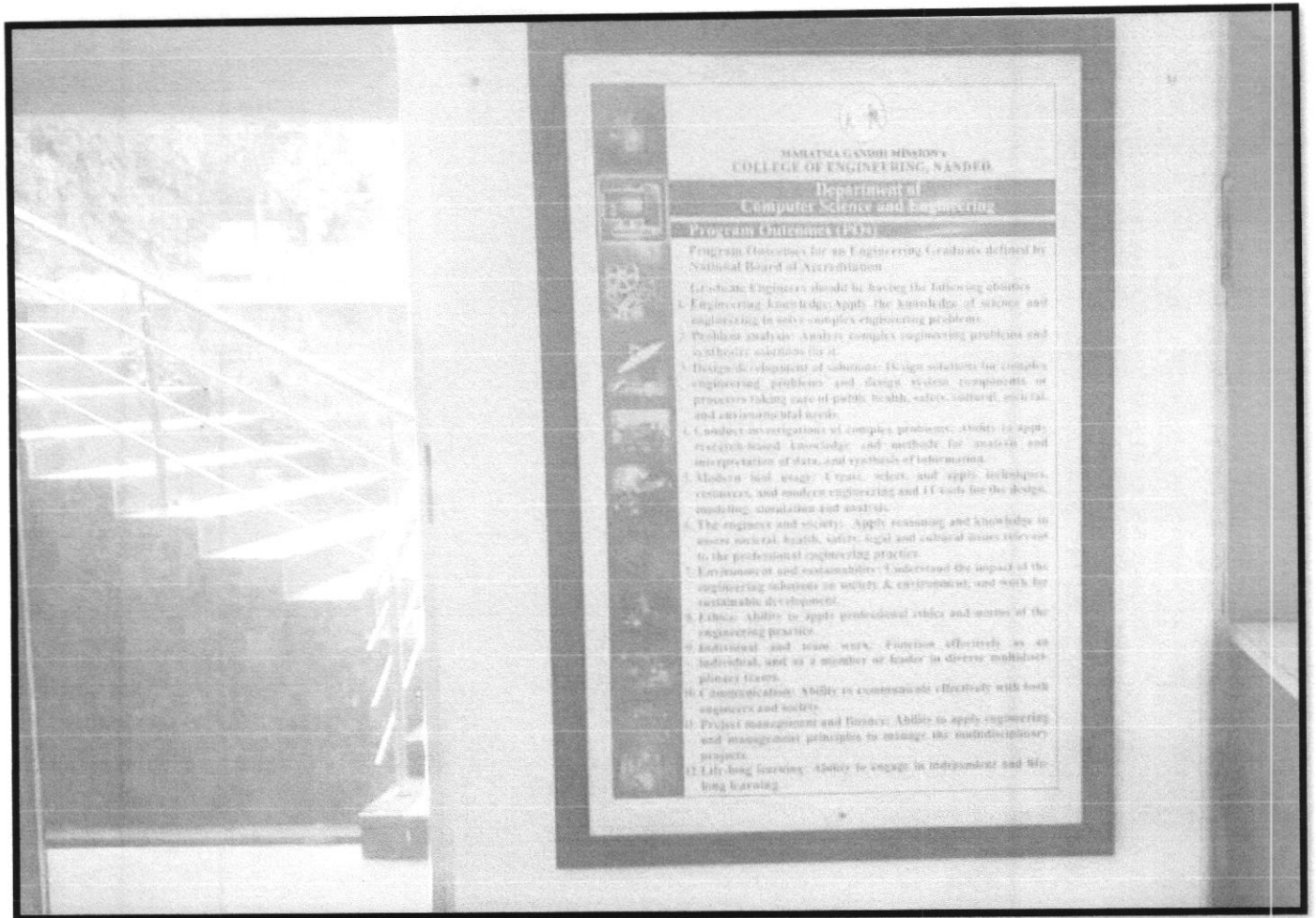
POs displayed in Class Room

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POs displayed in respective labs


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