

EVENT REPORT

SDG Awareness Lecture and Faculty Capacity-Building Programme

1. Basic Details

Title of the Activity: SDG Awareness Lecture and Faculty Capacity-Building Programme

Theme/Focus Area: Sustainable Development Goals (SDGs), Sustainable Engineering, SDG Mapping, Faculty Awareness and Departmental Implementation.

Date: 13 August 2026 (Thursday) at 1:10pm

Venue: Room No. 224, Department of Mechanical Engineering, MAIT

Organized by: Department of Mechanical Engineering, MAIT, Delhi

Activity Coordinator: Dr. Anil Kumar Dahiya, Associate Professor, Department of Mechanical Engineering, MAIT

Number of Participants: 21 Faculty Members (ME & MAE)

2. Resource Person Details

The SDG Awareness Lecture was delivered by Dr. Anil Kumar Dahiya, Associate Professor, Department of Mechanical Engineering, The session focused on Sustainable Development Goals, their relevance to technical education and Mechanical Engineering, identification of existing departmental activities, SDG mapping and planning of future initiatives.

Resource Person	Designation & Organization	Session/Area of Expertise
Dr. Anil Kumar Dahiya	Associate Professor, Department of Mechanical Engineering, MAIT	Sustainable Development Goals, Sustainable Engineering, SDG relevance to Mechanical Engineering, activity mapping and departmental implementation

3. Objectives of the Activity

The objectives of the awareness program were

1. To familiarize faculty members with the concept of Sustainable Development and the 17 Sustainable Development Goals (SDGs).
2. To explain the relevance of SDGs to technical institutions and Mechanical Engineering education, research and innovation.
3. To identify existing departmental activities that can contribute to one or more SDGs.
4. To encourage faculty members to identify and plan new activities/projects contributing to one or more SDGs.
5. To promote systematic SDG mapping, target identification, measurable KPIs and evidence-based documentation.

PO/PSO Mapping

- PO6 – Engineer and Society
- PO9 – Individual and Team Work
- PO10 – Communication
- PO11 – Project Management and Finance
- PO12 – Life-long Learning

SDGs Addressed

- SDG 4 – Quality Education
- SDG 7 – Affordable and Clean Energy
- SDG 8 – Decent Work and Economic Growth
- SDG 9 – Industry, Innovation and Infrastructure
- SDG 11 – Sustainable Cities and Communities
- SDG 12 – Responsible Consumption and Production
- SDG 13 – Climate Action
- SDG 17 – Partnerships for the Goals

Primary SDG: SDG 4 – Quality Education. Supporting SDGs: SDG 7, SDG 8, SDG 9, SDG 11, SDG 12, SDG 13 and SDG 17.

4. Description of the Activity

The Department of Mechanical Engineering, Maharaja Agrasen Institute of Technology (MAIT), successfully conducted an SDG Awareness Lecture and Faculty Capacity-Building Programme on 13 August 2026. The program was organized to create awareness among faculty members about Sustainable Development and the 17 Sustainable Development Goals and to explain their relevance to technical and engineering institutions.

The session discussed the three dimensions of sustainability—environmental, social and economic—and the role of technical institutions in education, research, innovation, industry interaction and community engagement. Particular emphasis was placed on SDG 4 – Quality Education and the relevance of SDGs 7, 8, 9, 11, 12, 13 and 17 to Mechanical Engineering.

Existing departmental activities such as Outcome-Based Education, laboratory teaching, practical and project-based learning, industrial visits, internships, research publications, patents, consultancy, industry-sponsored projects, Industry 4.0, automation, sustainable manufacturing and community activities were discussed for SDG mapping.

The concepts of circular economy, sustainable manufacturing, energy efficiency and carbon footprint were also introduced. Faculty members were encouraged to identify and plan new activities/projects contributing to one or more SDGs and to maintain suitable supporting evidence for institutional SDG reporting.

5. Learning Outcomes / Impact

After completing the awareness program, participants were able to:

1. Understand the concept of sustainable development and the 17 Sustainable Development Goals.
2. Recognize the relevance of SDGs to technical education and Mechanical Engineering.
3. Identify existing departmental activities that contribute to various SDGs.
4. Understand the importance of mapping activities with relevant SDGs and, wherever applicable, corresponding targets.

5. Recognize the importance of measurable KPIs and documentary evidence for SDG reporting.
6. Identify potential new initiatives in sustainable manufacturing, clean energy, circular economy, sustainable mobility, Industry 4.0 and climate action.
7. Contribute towards the departmental implementation of SDG 4, SDG 7, SDG 8, SDG 9, SDG 11, SDG 12, SDG 13 and SDG 17.

6. Photographs & Documentation

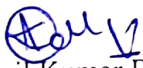
The following documents are enclosed with the report:

Attendance Sheets
Programme Notice/Poster
Photographs / Geo-tagged Photographs of the event
Minutes of Meeting and follow-up action points

7. Recommendations / Future Scope

1. Prepare a departmental inventory of existing SDG-related activities.
2. Map each identified activity with the relevant SDG and, wherever applicable, the corresponding target.
3. Identify suitable KPIs and maintain supporting documentary evidence for major activities.
4. Identify and plan 2–3 flagship SDG initiatives for the Mechanical Engineering Department.
5. Encourage SDG-oriented student projects, research, innovation and industry-supported activities.
6. Review departmental progress periodically and submit consolidated SDG information to the Institute SDG Committee.

Report Prepared By


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Verified By


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Approved By


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New Delhi, Delhi, India
Sector 22 Rohini, New Delhi, Delhi 110086, India
Lat 28.719395, Long 77.065936
Thursday, 13/08/2026 01:20 PM GMT+05:30
Note : Captured by GPS Map Camera



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