

# Engineering College

Approved by AICTE

Permanently Affiliated to JNTUK Kakinada

Accredited by NAAC with A+ Grade

## Department of Mechanical Engineering

in association with

The Institution of Engineers (India), Students Chapter  
(533437/PEC/MC)

Organizes

**Awareness**

## **On Mechanical Engineering for**

1<sup>st</sup> Year Mechanical Students

Date of the Program : 08<sup>th</sup> May 2025

Time : 11:00 AM onwards

# PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem – 533 437, Near Peddapuram, Kakinada Dist., A.P.

(Approved by AICTE, Permanently Affiliated to JNTUK Kakinada & Accredited by NAAC with A+ Grade)

(Recognized by UGC Under Sections 2(f) and 12 (b) of UGC act, 1956)

## DEPARTMENT OF MECHANICAL ENGINEERING

Academic year: 2025-26

Date: 07.05.2025

### CIRCULAR

We are happy to inform you that An Awareness on Mechanical Engineering is organized by Department of Mechanical Engineering in association with The Institution of Engineers (India), Student Chapter. The awareness Program will be delivered by Speaker Dr. G Avinash, Head of the Department of Mechanical Engineering Department.

Interested Students of 1<sup>st</sup> Year can participate in the event as per the Schedule below at Mechanical block.

**Date & Time of Event** : 08.05.2025 @ 11:00 AM

**Venue** : Mechanical block Seminar Hall (1<sup>st</sup> Floor)



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

#1-378, ADB Road, Surampalem – 533 437, Near Peddapuram, E.G.Dist., A.P.  
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Ph: 08852 – 252233, 252234, 252235 Fax: 08852 – 252232, website: www.pragati.ac.in

## DEPARTMENT OF MECHANICAL ENGINEERING

### AWARENESS PROGRAM TO 1<sup>st</sup> YEAR STUDENTS

2024-25

Dt. 08.05.2025

An Awareness Program on *An Awareness on Mechanical Engineering* was organized by the Mechanical Chapter of The Institution of Engineers (India) of Mechanical Department. A total of 41 students of 1<sup>st</sup> Year Mechanical students were attended for the talk. Participations made to sit in MF-12 and all students were interacted with Dr G Avinash and asked about their 1<sup>st</sup> Year experiences in the college as well as exam preparedness as the semester examinations were commencing in the due course.

#### Key Takeaways:

1. Mechanical engineering is a broad field that applies to industries like automotive, aerospace, and energy.
2. It involves core subjects like thermodynamics, mechanics, and material science.
3. Innovation and sustainability are central to modern mechanical engineering solutions.
4. Hands-on learning through labs and design software is crucial for skill development.
5. It offers diverse career opportunities and a strong foundation for interdisciplinary fields.

#### Case Studies Discussed:

1. **Tesla Electric Vehicle (EV) Design** : Tesla revolutionized the auto industry by combining mechanical engineering with electric power trains.

**Learning:** Showcases how thermal systems, aerodynamics, and lightweight materials improve EV efficiency.

2. **Mars Rover by NASA** : Mechanical engineers played a key role in designing the Mars rovers' mobility and landing systems.

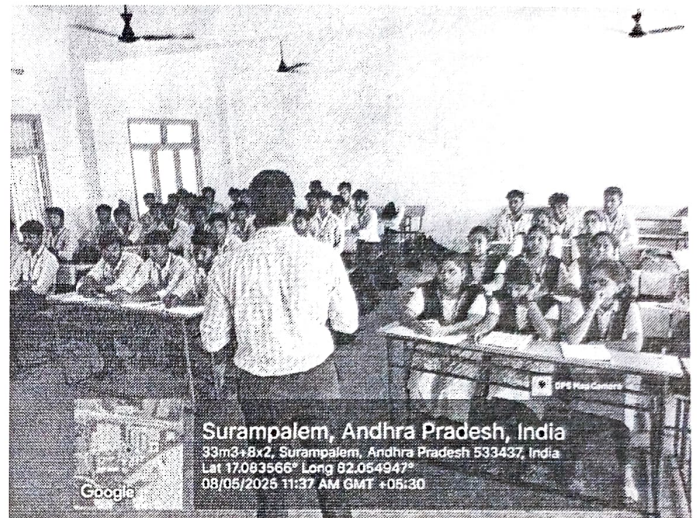
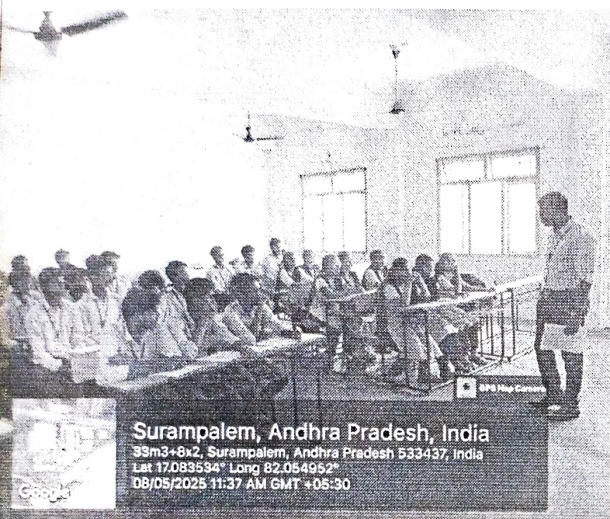
**Learning:** Demonstrates application of mechanics, robotics, and materials under extreme conditions.



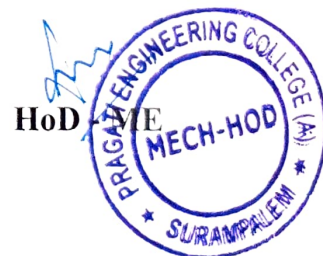
3. **Wind Turbine Blade Design** : *Case*: Engineers optimized blade shapes to increase energy output in low-wind areas.

*Learning*: Highlights fluid mechanics and sustainable energy design in real-world engineering.

#### PHOTOGRAPHS OF EVENT:



INCHARGE (I)



# PRAGATI ENGINEERING COLLEGE (Autonomous)

## DEPARTMENT OF MECHANICAL ENGINEERING

### STUDENTS ATTENDED FOR AWARENESS PROGRAM

Dt. 08.05.2025

L. NO	ROLL NUMBER	NAME OF THE STUDENT	REMARKS
1	24A31A0301	CHIKKAM JNANA MAHA LAKSHMI DEEPIKA	ATTENDED
2	24A31A0302	GADI TRIJA SRI	ATTENDED
3	24A31A0305	JYOTHIKA DEVI MANIMALA MEDISETTI	ATTENDED
4	24A31A0306	KANNAMREDDI KRISHNA KUMARI	ATTENDED
5	24A31A0307	KOTTALA RAMA HASINI	ATTENDED
6	24A31A0308	MELAM SOWMYA SRI	ATTENDED
7	24A31A0311	VASIREDDY SIVA SHIVANI	ATTENDED
8	24A31A0312	AVALA ANIL	ATTENDED
9	24A31A0314	BONAM VENKATA BHADRA RAO	ATTENDED
10	24A31A0315	CHIKKALA MANOJ	ATTENDED
11	24A31A0317	CHODISETTI NAVEEN TEJA	ATTENDED
12	24A31A0318	DADALA TONY ISAAC	ATTENDED
13	24A31A0319	KUPPALA DEVI SREE SIVANAND RAM SAI VARUN	ATTENDED
14	24A31A0320	DURGA PANCHAJANYA	ATTENDED
15	24A31A0321	GANTA VENKATA RAMANA	ATTENDED
16	24A31A0323	GOLI PRIYARAMUDU	ATTENDED
17	24A31A0324	GONIPATI VEERENDRA KARTHIK	ATTENDED
18	24A31A0326	ILLA ABISHEK	ATTENDED
19	24A31A0327	JOSHUA ROY GOLLAPALLI	ATTENDED
20	24A31A0329	KALE VEERA VENKATA SATYA DEVA JAYANTH	ATTENDED
21	24A31A0330	KANIKELLA HARI CHANDRA RAVI SUDARSAN	ATTENDED
22	24A31A0331	KANTREDDY NIKHIL	ATTENDED
23	24A31A0332	KARTHIK DHANALA	ATTENDED
24	24A31A0333	KOKA SAI JASWANTH	ATTENDED
25	24A31A0335	KUKKAMUDI JAACKK	ATTENDED
26	24A31A0336	KUNDRAPU NAGA VEERA KUMESWAR	ATTENDED
27	24A31A0337	KURAM SUDHEER KUMAR	ATTENDED
28	24A31A0338	MAGAPU SANTOSH	ATTENDED
29	24A31A0339	MALLADI PRAVEEN	ATTENDED
30	24A31A0340	MALLEDA ABHIRAM	ATTENDED
31	24A31A0341	MARGANI JAI RAM CHARAN	ATTENDED
32	24A31A0343	MELLAM SIDDARDHA TEJA	ATTENDED
33	24A31A0345	NAKKA KARTHIK	ATTENDED
34	24A31A0346	NANDIKOLLA SRI HARSHA	ATTENDED
35	24A31A0348	NIMMALA VENKATA MOTHESH	ATTENDED
36	24A31A0349	PACHIPALA YUVA TEJA	ATTENDED
37	24A31A0351	PASAGADUGULA NAGA SATYA SURESH KUMAR	ATTENDED
38	24A31A0352	PITHANI SANDEEP	ATTENDED
39	24A31A0353	PUPPALA AKASH	ATTENDED
40	24A31A0356	TATAPUDI RAJESH	ATTENDED
41	24A31A0357	VADAPARTHI SIVARAMCHARAN	ATTENDED

  
COORDINATOR