

PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 01-09-2025

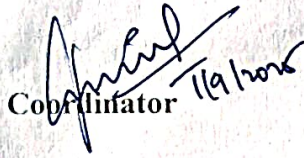
CIRCULAR

It is here by informed to B.Tech Mechanical Engineering students that the Mechanical Engineering Department, in association with the IE(I) Local Chapter, is pleased to announce a **guest lecture on "Precision Manufacturing"** on 04-09-2025.

Resource Person: Dr. P.Vamsi Krishna, Professor, NIT Warangal

Venue: Online @ Microsoft Teams app (Link will be shared).

Time: 10:30AM to 12:00 PM.


Coordinator


HOD-ME

Copy to: 1) Chairman Sir,

2) Principal/Director Academics for kind information

3) All HODs

4) Circulation among B.Tech Class & Notice Board's

5) Office file

PRAGATI ENGINEERING COLLEGE

(Autonomous)

Department of Mechanical Engineering

Institution of Engineers India, Mechanical Student Chapter

Organizes Guest Lecture on

PRECISION MANUFACTURING

By

Dr. P. Vamsi Krishna, Professor

Department of Mechanical Engineering

National Institute of Technology Warangal, India.

on 04th September 2025.

The Institution of Engineers India, Student chapter of Mechanical Engineering, Pragati Engineering College (Autonomous) Conducted Guest Lecture on Precision Manufacturing on 04th September 2025.

Dr. P. Vamsi Krishna Sir Discussed the Following;

Precision Manufacturing refers to the process of producing components with extremely tight tolerances and high accuracy, often measured in microns or even nanometers. It emphasizes consistency, repeatability, and superior surface quality in order to meet the demanding requirements of industries such as aerospace, automotive, medical devices, electronics, and defense.

He Highlighted in the session.

1. High Accuracy – Production of parts within very close dimensional tolerances.
2. Repeatability – Ensuring every produced part meets the same specification.
3. Advanced Technologies – Use of CNC machining, laser cutting, EDM (Electrical Discharge Machining), and additive manufacturing with precision controls.
4. Material Efficiency – Minimization of waste by accurate cutting and forming.
5. Surface Finish – Achieving fine surface textures essential for high-performance components.

Techniques Used:

- CNC (Computer Numerical Control) machining
- EDM (Wire EDM and Sinker EDM)
- Laser micromachining
- Precision grinding and lapping
- Ultra-precision turning and milling
- Coordinate Measuring Machines (CMMs) for quality control

PRAGATI ENGINEERING COLLEGE

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Department of Mechanical Engineering

Online Session Link:

Teams:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_OWM1YmM4MzktNTBkYy00OWRjLWE2ZmUtODA4Yjc1ZDA3ZDZm%40thread.v2/0?context=%7b%22Tid%22%3a%22377383c2-3be0-4e01-b2c8-8526d5e58adb%22%2c%22Oid%22%3a%2274a93f51-3ea9-4fc6-86c0-0a1b1904d6e8%22%7d

Total 76 Students Attended through the session, students made to sit in MF-1, e-class room

Brochure:

Department of Mechanical Engineering

In Association with

The Institution of Engineers (India), Students Chapter

Organizes

Guest Lecture

on

PRECISION MANUFACTURING

By

Dr. P. Vamsi Krishna, Professor

Department of Mechanical Engineering

National Institute of Technology Warangal, India.



Venue Details and Timings: 04.08.2025 from 10:30 AM onwards (ME Block – Seminar Hall)



Pragati Engineering College

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PRAGATI ENGINEERING COLLEGE

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Department of Mechanical Engineering

Images:



Fig 1: Resource Person- Dr. P. Vamsi Krishna is Delivering the Lecture to the group of students virtually



Fig 2: Resource Person- Dr. P. Vamsi Krishna is Delivering the Lecture to the group of students virtually



PRAGATI ENGINEERING COLLEGE

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Department of Mechanical Engineering



Fig 3: Students noting of important points from Guest Lecture by Dr. P. Vamsi Krishna sir.



Fig 4: Students asking doubts to Dr. P. Vamsi Krishna sir.



PRAGATI ENGINEERING COLLEGE

(Autonomous)

Institution of Engineers, India

Guest Lecture on Precision Manufacturing @ 4/9/25

Participation List



S.No	Roll No.	Student Name	Year	Branch	SIGN
1	24A31A0305	M. Jyothika	IInd	Mechanical	M Jyothika
2	24A31A0301	CH. Deepika	IInd	Mechanical	Deepika
3	24A31A0302	G. Trija	IInd	Mechanical	Trija
4	24A31A0304	J. Charithma	IInd	Mechanical	Charithma
5	24A31A0307	K. Hasini	IInd	Mechanical	Hasini
6	24A31A0301	V. Shivani	IInd	Mechanical	Shivani
7	25A35A0301	K. Ranya Sri Bhargavi	IInd	mechanical	Ranya
8	24A31A0308	M. Sowmya Sri	IInd	Mechanical	Sowmya
9	24A31A0309	P. Suswaritha	IInd	Mechanical	Suswaritha
10	24A31A0310	S. Vanisha	IInd	Mechanical	Vanisha
11	24A31A0306	K. Krishna Kumari	IInd	Mechanical	Krishna
12	24A31A0327	J. Karthik Sri Ram	IInd	Mechanical	J. K. Sri Ram
13	24A31A0317	CH. Naveen Teja	IInd	Mechanical	CH. Naveen
14	24A31A0357	K. Jiva Ram Dasan	IInd	Mechanical	K. Jiva Ram Dasan
15	24A31A0368	M. Santosh	IInd	Mechanical	M Santosh
16	24A31A0343	M. Siddardha Teja	IInd	Mechanical	M. Siddardha
17	25A35A0304	J.V.R.M. Sai Swaroop	IInd	mechanical	J. Sai Swaroop
18	25A35A0302	A. Rakesh	IInd	Mechanical	A Rakesh
19	24A31A0315	CH. Manoj	IInd	Mechanical	CH. Manoj
20	24A31A0332	D. Karthik	IInd	Mechanical	D. Karthik
21	25A35A0303	G. Viswa Teja	IInd	Mechanical	G. Viswa
22	24A31A0349	P. Yuva Teja	IInd	Mechanical	P. Yuva Teja
23	25A35A0308	V.S.R.V.S. Karthik	IInd	mechanical	V.S.R.V.S. Karthik
24	25A35A0306	M.V. Gokul Sai	IInd	Mechanical	M. V. Gokul Sai
25	24A31A0352	P. Sandeep	IInd	Mechanical	P. Sandeep
26	24A31A0336	kumeshwar	IInd	mechanical	kumeshwar

Roll No	Name	Year	Branch	Sign.
24A35A0304	D. Mouli	III	mech	D. Mouli
24A35A0307	Mh. B. B. Shankar	III	Mech	Mh. B. B. Shankar
24A35A0310	P. Rishikesh	III	Mech	P. Rishikesh
24A35A0311	P. D. Velesh Kumar	III	Mech	P. D. Velesh Kumar
23A31A0302	D. Aranthi	III	Mech	D. Aranthi
23A31A0303	N. Swapna	III	Mech	N. Swapna
24A35A0301	A. Deepak	III	Mech	A. Deepak
24A35A0302	D. Lalitha Narayana	III	Mech	D. Lalitha Narayana
24A35A0303	D. Divakar	III	Mech	D. Divakar
24A35A0308	M. Durga Suresh	III	Mech	M. Durga Suresh
24A35A0314	S. Sri Ram	III	Mech	S. Sri Ram
23A31A0319	Ch. Mohan Krishna	III	Mech	Ch. Mohan Krishna
23A31A0343	R. P. Arun Kumar	III	Mech	R. P. Arun Kumar
23A31A0310	A. Rajesh	III	Mech	A. Rajesh
24A31A0319	K. Varun	III	Mech	K. Varun
24A31A0813	B. Sriraja	II	Mech	B. Sriraja
25A35A0305	UTHAM SAI PAVAN	II	MECH	UTHAM SAI PAVAN
23A31A0338	P. V. N. V. V. Siva	III	MECH	P. V. N. V. V. Siva
24A31A0322	B. Praveen	II	MECH	B. Praveen
24A31A0321	B. Venkat Ramana	II	Mech	B. Venkat Ramana
23A31A0340	P. Bhanu	III	Mech	P. Bhanu
23A31A0328	K. Satya Chakra Dhora	III	Mech	K. S. C. Dhora
23A31A0345	S. Siva Sai	III	Mech	S. Siva Sai
23A31A0327	K. Sivaji Ganesh	III	Mech	K. Sivaji Ganesh
23A31A0313	B. Saritha	III	Mech	B. Saritha
23A31A0315	B. Sivabai	III	Mech	B. Sivabai
24A31A0331	K. Nikhil	II	Mech	K. Nikhil
23A31A0301	B. Sri Ramya	III	Mech	B. Sri Ramya
23A31A0304	R. Renuka	III	Mech	R. Renuka
23A31A0305	N. Revathi	III	Mech	N. Revathi
23A31A0306	S. Yohane	III	Mech	S. Yohane
23A31A0351	V. Kowshik	III	Mech	V. Kowshik
23A31A0352	V. Babbar	III	Mech	V. Babbar
22A31A0380	P. Sri Ram	IV	ME	P. Sri Ram
22A31A0386	P. Raj Kumar	IV	MECH	P. Raj Kumar
22A31A0389	Kalyan	IV	Mech	Kalyan

63	23A3SA0322	P. Siva Janakari	IV	Mech	Tea
64	22A31A0376	oruganti Surya Rao	IV	Mech	A
65	22A31A0318	K. S. Prasad	IV	mech	Nuli
66	22A31A0318	K. Surya Jogarao	IV	mech	Jogarao
67	22A31A0320	K. K. Krishna	IV	Mech.	S. K. Krishna
68	23A3SA0321	K. S. S. Rajesh	IV	Mech	K. S. S. Rajesh
69	23A31A0384	Vishnu Sira	IV	ME	Vishnu
70	22A31A0365	K. Mohan Sai	IV	ME	K. Mohan
71	22A31A0396	y. vinayaka	IV	ME	y. vinayaka
72	23A3SA0316	G. Aninash	IV	Mech	G. Aninash
73	23A3SA0324	R. Adi Narayana	IV	ME	R. Adi
74	23A3SA0319	D. D. Inesh	IV	Mech	D. D. Inesh
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16/9/2020

