

Guest Lecture on Advances in Precision Manufacturing

Report: Guest Lecture on Advances in Precision Manufacturing

The Department of Mechanical Engineering, organized **Guest Lecture on Advances in Precision Manufacturing**, on 08/06/2024, at Seminar Hall 6, from 10:00 AM to 12.00PM. The resource speaker **Mr. K Manjunath, CMTI R&D Establishment Under Ministry of Heavy Industries, Govt of India**. The guest lecture was organized by Mechanical Engineering Department in collaboration with Aeronautical and Aerospace Department level for 77 second and third year students

The program was inaugurated by Dr. Shrinivas L Gombi (Principal In-Charge), Dean Academics MVJCE, Dr. M Brindha, Vice-principal MVJCE, Dr. Santhosh N, HOD Mechanical Engineering Department, MVJCE.



Dr. Shrinivas L Gombi, (right side) Dean Academics, MVJCE, Mr K Manjunath Guest Speaker (left side), during the inaugural session of the guest lecture.



Dr. Shrinivas L Gombi, (on dias) Dean Academics, MVJCE, addressing the gathering during inaugural session of the guest lecture.

The inauguration was followed with welcome speech by Dr. Shrinivas L Gombi, Dean Academics MVJCE addressing the requirement of such programs to nurture the students to bridge the gap between the industry-academia.

The lecture by Mr. K Manjunath, Precision manufacturing contributes to the improvement of reliability and yield in good quality production. Minimizing defects and ensuring consistency in the manufacturing processes enhance the overall quality and performance of manufactured components. The lecture covers briefly about how the precision in manufacturing processes directly influences the performance and reliability of product. Small deviations or imperfections in the fabrication process can lead to failure. Achieving precise dimensions and material characteristics is crucial for meeting performance requirements. The lecture also included with technical power point presentation and few videos to show the importance of precision manufacturing.



Mr K Manjunath, CMTI R&D Establishment Under Ministry of Heavy Industries, Govt of India, lecturing on the topic Advances in Precision Manufacturing



Dr. Santhosh N HoD-Mechanical Engineering, giving vote



Students from Mechanical Engineering, Aeronautical and Aerospace Engineering Department attended the guest lecture

The seminar created an opportunity for students to understand the need for Advances in Precision Manufacturing.

Outcomes of the Event:

By attending the seminar, the Mechanical Engineering students of second and third year understood how

- To reduce defects and inefficiencies, creating better-quality products.
- Even tight tolerances have become much more affordable, allowing companies to achieve much better results
- More competitive prices and provide more flexibility to their clients, further increasing the popularity of this type of manufacturing.
- Material requirements are lowered, passing on the savings to the clients, and providing the opportunity to use a broader range of more expensive materials in the production process.

Sheet 1 of 4

(19) Student

MMJ COLLEGE OF ENGINEERING
 An Autonomous Institute
 DEPARTMENT OF MECHANICAL ENGINEERING
ATTENDANCE SHEET

NAME OF THE EVENT: Guest lecture on "Advances in Precision Manufacturing"
 DATE AND TIME: 8/06/24 10.00am to 12.45pm

Sl No.	USN	NAME	SIGNATURE
01	1MJ21ME019	Pankaj DS	[Signature]
02	1MJ21ME001	Anshuk Patil	[Signature]
03	1MJ21ME007	Prakash P	[Signature]
4	1MJ21ME008	Uday H J	[Signature]
5	1MJ21ME003	Shubham B P	[Signature]
6	1MJ21ME020	Rohit Das	[Signature]
7	1MJ21ME026	Santosh Kumar	[Signature]
8	1MJ21ME021	Rishabh Gajjar	[Signature]
9	1MJ21ME401	Taha deepak A	[Signature]
10	1MJ21ME402	Madhu Kumar	[Signature]
11	1MJ21ME010	Dhruv Saini	[Signature]
12	1MJ21ME406	Tanush Jaiswal	[Signature]
13	1MJ21ME004	[Signature]	[Signature]
14	1MJ21ME403	Suryajit	[Signature]
15	1MJ21ME005	Ayushmaan Yadav	[Signature]
16	1MJ21ME001	Harshvardhan Engineer	[Signature]
17	1MJ21ME001	Trilokh	[Signature]
18	1MJ21ME405	Vinayak	[Signature]
19	1MJ21ME010	SAURABH SINGH	[Signature]

Sheet 2 of 4


(10) Student

MMJ COLLEGE OF ENGINEERING
 An Autonomous Institute
 DEPARTMENT OF MECHANICAL ENGINEERING
ATTENDANCE SHEET

20	1MJ21ME402	Pradeep Kumar	[Signature]
21	1MJ21ME002	Anand Anilkhani	[Signature]
22	1MJ21ME009	Pradeep Kumar R	[Signature]
23	1MJ21ME400	Charan Kumar C K	[Signature]
24	1MJ21ME006	M. Kishan	[Signature]
25	1MJ21ME008	PRAJWAL U	[Signature]
26	1MJ21ME401	Madhu Kumar K	[Signature]
27	1MJ21ME004	Harshvardhan Engineer	[Signature]
28	1MJ21ME003	Vishal Kumar	[Signature]
29	1MJ21ME013	Vijay Vajra	[Signature]

Head of the Department
 Dept. of Mechanical Engineering
 M. V. J. College of Engineering
 Channarayana, Near ITPB
 Bangalore - 560 077

Sheet 3 of 4
(2) Student


MMJ COLLEGE OF ENGINEERING
 An Autonomous Institute
 DEPARTMENT OF MECHANICAL ENGINEERING

ATTENDANCE SHEET

NAME OF THE EVENT: Guest Lecture on "Advances in Precision Manufacturing"
 DATE AND TIME: 08/06/24, 10:00am to 12:30pm

SL No.	USN	NAME	SIGNATURE
1.	IMJ21AS028	Jana Lakshmana Swamy	Jana
2.	IMJ21AS017	Taruna Prasad	Taruna
3.	IMJ21AS035	Murali Babu S	Murali Babu S
4.	IMJ21AS022	Pranath Nallu P	Pranath Nallu P
5.	IMJ21AS053	Sukesh Y	Sukesh Y
6.	IMJ21AS009	Chandrababu A	Chandrababu A
7.	IMJ21AS043	Shashank B S	Shashank B S
8.	IMJ21AS032	A. Satya Hemundar	A. Satya Hemundar
9.	Chethan G S (IMJ21ME006)	Chethan G S	Chethan G S
10.	IMJ21AS024	Harishankar	Harishankar
11.	IMJ21AS030	Kanav	Kanav
12.	IMJ21AS020	PRASHANTH G	Prashanth G
13.	IMJ21AS057	Yathic S	Yathic S
14.	IMJ21AS018	Chandru P B	Chandru P B
15.	IMJ21AS001	Rajeev Prasad	Rajeev Prasad
16.	IMJ21AS012	Mithra	Mithra
17.	IMJ21AS011	Chaitanya	Chaitanya
18.	IMJ21AS019	Dhyanesh Kumar	Dhyanesh Kumar
19.	IMJ21AS025	Harshika Sankar	Harshika Sankar
20.	IMJ21AS006	Brahma Reddy	Brahma Reddy
21.	IMJ21AS015	D. Hari Vaidhya	D. Hari Vaidhya
22.	IMJ21AS040	S. Ashwin	S. Ashwin
23.	IMJ21AS047	Shrawan Kumar Tyagi	Shrawan Kumar Tyagi
24.	IMJ21AS026	Tsha	Tsha

25.	IMJ21AS004	Sudha Prasad	Sudha Prasad
26.	IMJ21AS042	Sudha Prasad	Sudha Prasad
27.	IMJ21AS051	Suganitha Manojan	Suganitha Manojan
28.	IMJ21AS027	Sudha Prasad	Sudha Prasad
29.	IMJ21AS052	Zafra Madan	Zafra Madan
30.	IMJ21AS028	Munish K S	Munish K S
31.	IMJ21AS011	Smriti S	Smriti S
32.	IMJ21AS054	Jatashankar	Jatashankar
33.	IMJ21AS051	Rajadharan S	Rajadharan S
34.	IMJ21AS017	Deshwal C	Deshwal C
35.	IMJ21AS075	Vaishnavi K	Vaishnavi K
36.	IMJ21AS004	Shamini V	Shamini V
37.	IMJ21AS055	Sangeetha M	Sangeetha M
38.	IMJ21AS050	Aradhya	Aradhya
39.	IMJ21AS054	Aradhya	Aradhya
40.	IMJ21AS054	D. Divyanka	D. Divyanka
41.	IMJ21AS055	Bhavana K	Bhavana K
42.	IMJ21AS023	Gayatri	Gayatri
43.	IMJ21AS056	Vishay P S	Vishay P S
44.	IMJ21AS055	SR Manoj N. Office	SR Manoj N. Office
45.	IMJ21AS051	Sun Jyoti	Sun Jyoti
46.	IMJ21AS044	Shruti S	Shruti S
47.	IMJ21AS010	Chandru H S	Chandru H S
48.	IMJ21AS049	Sohini	Sohini
49.	IMJ21AS050	Shruti S	Shruti S
50.	IMJ21AS016	Shruti S	Shruti S
51.	IMJ21AS045	Shruti S	Shruti S
52.	IMJ21AS041	Shruti S	Shruti S