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## Report of the 5 Day FDP on

## "Recent Advances in Mechanical Engineering"

Title Five Day Online FDP on "Recent Advances in Mechanical Engineering"

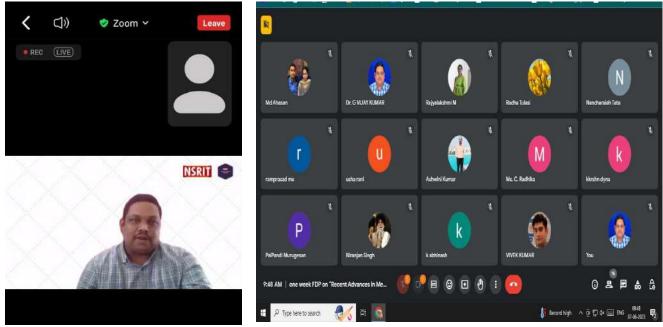
Dates: 5th June to 9th June 2023

Mode: online mode (zoom, google meet)

Conducted by: Department of Mechanical Engineering

Number of Participants: 103

FDP organizing online mode throughout 5 days (5th June to 9th June 2023)



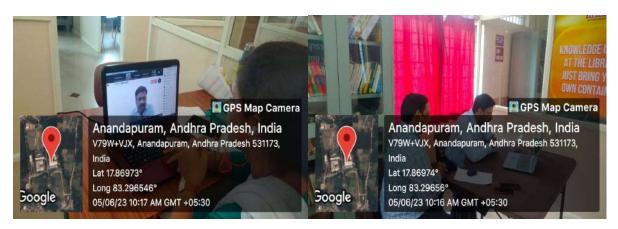
Dr. G. Vijay Kumar, Coordinator addressing the participants during Inaugural session



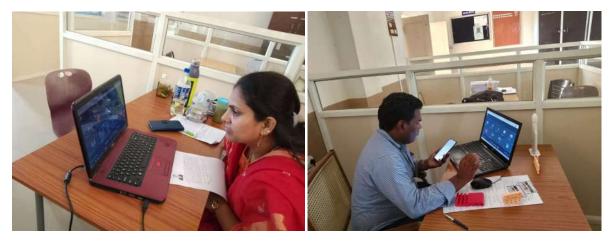
Dr. J. Raja Murugadoss, Dirctor addressing the participants during Inaugural session



Dr. P.N. E. Naveen, HoD addressing the participants during Inaugural session



Geo-Tag photographs during Inaugural session



Introduction of speakers



Geo-Tag photographs during last day of FDP

Day	Date	Resource person	Торіс	Photo
1	5/6/23 Session 1	Dr. Kishore Babu N Dept. of Metallurgic al & Material Engineering , NIT, Warangal	Physical metallurgy and welding of Ti alloys	Physical Metallurgy and Welding of Titanium Alloys Nagumothu Kishore Babu Associate Professor Dept. of Metallurgical & Materials Engineering National Institute of Technology Warangal - 506 004, India e-mail: kishorebabu@nitw.ac.in One week online FDP on "Recent Adanvaces in Mechanical Engineering" 5th-9th June 2023
2	5/6/23 Session 2	Dr. Ramesh Rudrapati Department of industrial Engineering , Bule Hora university, Ethiopia	Industry 4.0 prospects and challenges leading to smart manufacturi ng	INDUSTRY 4.0: PROSPECTIVES & CHALLENGES LEAD SMART MANUFACTURING Presented by Dr Rate Dr Rate
3	6/6/23 Session 3	Dr. K S S Harish Dept. of Mechanical Engineering NIT- Tiruchurapa Ili	Refrigerants and their applications	Refrigeration with Alternate Refrigerants By Dr S S Harish Kruthiventi Department of Mechanical Engineering NIT Trichy India.
4	6/6/23 Session 4	Dr. B. Raghu Kumar Dept. of Mechanical Engineering PVP Siddhartha, Vijayawada	Vibration based condition monitoring of rotating equipment using machine learning	Explose transmitted to proverting Maintenance Principles of Maintenance Planning Maintenance principles are followed in a system to guide the staff to work efficiently and effectively to achieve the overall objectives of the maintenance system. Maintenance programming of industrial system in general aims at minimizing maintenance costs and maximizing the availability of the system. Mointenance costs and maximizing the availability of the system. Dr. B. Raghu Kumir S 21224 or www.th?Defr. "Advinces: InMedured

5	7/6/ 2023 Session 5	Dr. Somashekh ar S. Hiremath Department of Mechanical Engineering IIT Madras, Chennai	Micromachin ing: Technology for miniaturizati on of products and processes	Image: Second address of the Property of Ministerization of Products and Processes*         Image: Second address of Products address of Products and Processes*         Image: Second address of Products address
6	7/6/ 2023 Session 6	Dr. Sarath PDF- University of Glasgow, UK	Thermal energy storage systems	Control de la
7	8/6/2023 Session 7	Dr. Y. Rajasekhar Dept. of Mechanical Engineering VIT-Vellore	Solar hybrid energy systems	Audeted to restruct the Modeline     ONE WEEK ONLINE WORKSHOP     ON     "Recent Advances in Mechanical Engineering"     Organized by     Organized by     Organized by     Within the Mechanical Engineering"     Organized by     Within the Mechanical Engineering     organized by     organized     org
8	8/6/23 Session 8	Session 8: Mr. Aditya Kottapalli M.Tech- IITM, (Pursuing Ph.D at IISc- Bangalore)	Atmospheric and climate sciences mechanical Engineering perspective	<complex-block><complex-block></complex-block></complex-block>
9	9/6/2023 Session9	Dr V Rama Krishna Scientist-F, NSTL, DRDO Visakhapatn am	Prediction and control of underwater marine propeller noise	A V AMA VRSHMA spreaded

10	9/6/2023 Sessions 10	Mr.R Harish GM- Jindal Saw Ltd, Gujarat Technical Head & Industry Faculty	Quality Assurance in Mechanical Industries	De La La March Reparamente      COUSTIC STRAITH
11	9/6/2023 Session 11	SYNERGEM Dr. Naresh Yarramsetty Dept. of Mechanical Engineering NIT, SURAT	Thermal management of electronic devices	EXE M 1 ray when the Constrained of the property of the proper
12	Final Quiz was conducted for 20 minutes by giving 20 multiple choice questions & Post FDP Feedback was collected. Feedback was also taken through google forms and E certificates were distributed though participants registered mail conveyance.			

The 5 Day online FDP "Recent Advances in Mechanical Engineering" 5th June to 9th June 2023. On behalf of Department of Mechanical Engineering, we sincerely thank our secretary sir Dr. N. Prasada Raju, Director, Dr. J. Raja Murugadoss, HoD- Dr. P N E Naveen, for their encouragement and support, all the resource persons for delivering quality content. Finally, special thanks to all the participants for their punctuality and dedication in acquiring knowledge in this FDP.

Coordinators

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