

Report on Two Days Online International seminar on “Recent advancements in Mechanical Engineering” on 26-27 November 2020

It is a matter of pleasure to inform you that Department of Mechanical Engineering, Integral University, has successfully organized a Two Days Online International seminar on “Recent advancements in Mechanical Engineering” held on 26-27 November 2020 at Integral University, Lucknow.

The program was focused to make the participants familiar with Basics of reliability of micro-electronics, advanced electronics packaging, basics of hard turning process and comparison of conventional and modern technologies of manufacturing processes Microfluidics, Micromixers, Mixing of fluids at microscale, Robotics and Artificial Intelligence and applications in industries. Focused audience were diploma, graduate and post graduate students as well as research scholars and faculties from different departments and colleges.

The workshop began with welcome address by **Prof. (Dr.) P.K.Bharti, Head, Department of Mechanical Engineering.**

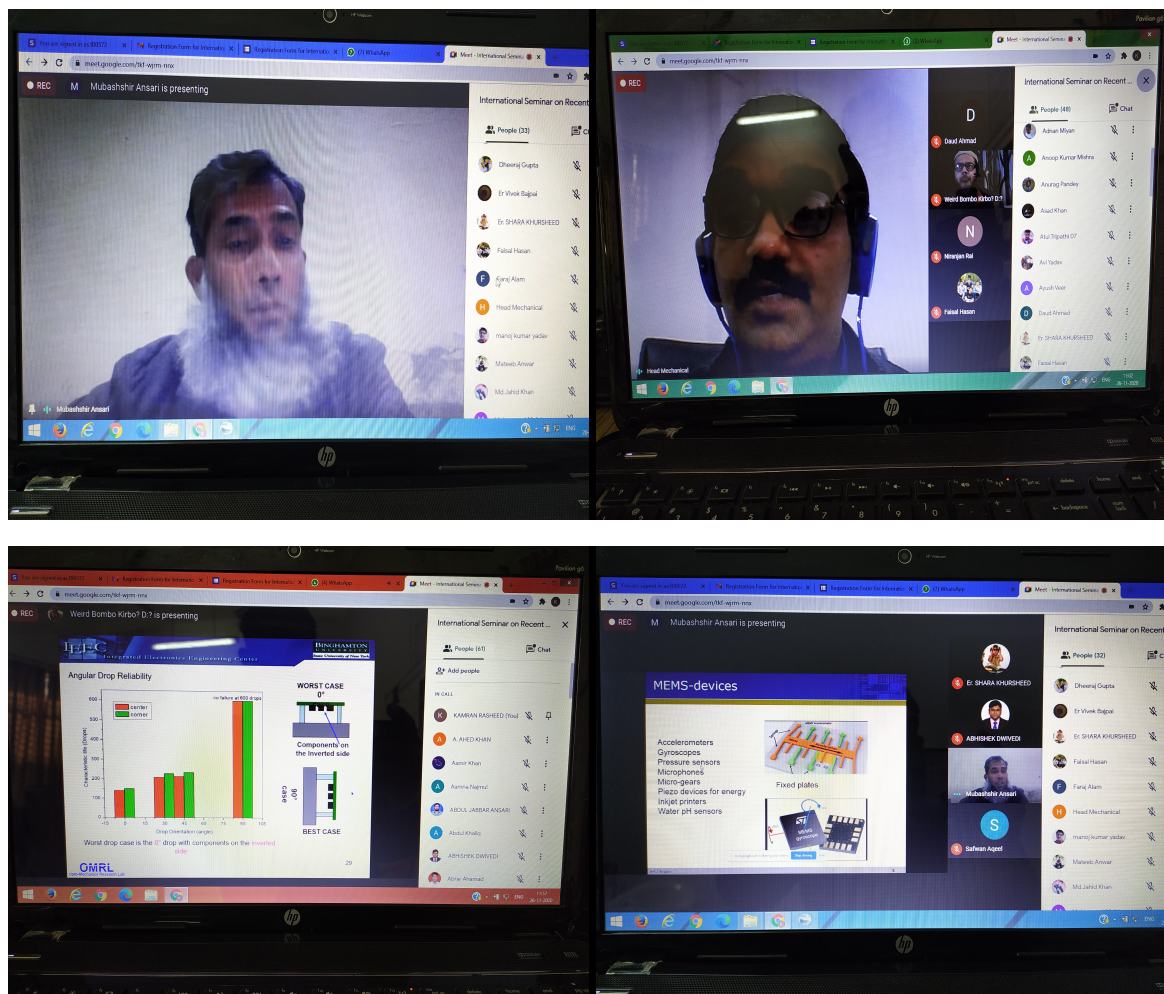
Day 1 begins with a very interesting talk by **Dr. Fahad Mirza, Senior engineer, Qualcomm, USA.** Dr. Mirza speaks about the reliability of micro-electronics, advanced electronics packaging and risk assessment for Si process and post-fab packaging, Sensors and MEMS (Micro-Electro-Mechanical Systems), MOEMS (Micro-Optoelectronic Mechanical Systems) and Photonics dies is gaining more and more relevance in today's industry applications.

Further, **Dr. Mubashshir Ahmad Ansari, Associate Professor, Department of Mechanical Engineering, ZHCET, AMU Aligarh,** delivered a dynamic session on Microfluidics, Micromixers, Mixing of fluids at microscale, Design and development of efficient micromixers, Separation of micro particles/cancer cells using microfluidic systems, MEMS. The proposed talk addresses these issues, their causes and also proposes the investigation methods to predict the high mixing performance.

Day 2 begins with an informative session by **Dr. U. Mohammed Iqbal, Associate Professor, Department of Mechanical Engineering, SRM Institute of Science & Technology, Kattankulathur.** Dr. Iqbal, in his interactive session discussed topics like metal forming and materials processing, Metal machining and Metal Joining.

The final session of the seminar on day 2 was on **Robotics and Artificial Intelligence** presented by Mr. Shivendra Singh, **Founder and CEO, RobotifAI Private Limited, Hong Kong.** He delivered the lecture on latest trends in the area of robotics like Rehabilitation robots, Social/Assistive robots, Synthetic Psychology, Robopsychology, Neural Networks, Human-robot interaction, Mapping and Localization, Robot Manipulation, Computer Vision. He interacted with the audience and solved the queries related to Career options in Robotics & AI.

At last, the vote of thanks was delivered by **Er. Kamran Rasheed, Assistant Professor, Department of Mechanical Engineering.** All the honourable guests/speakers were facilitated with an appreciation certificate and participation certificate has been given to all the attendees. Approx. hundred participants participated in the seminar. The program was well organized by Er Abhishek Dwivedi, Er Kamran Rasheed, and Er Shara Khursheed.



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Department of Mechanical Engineering



organizing

Two Days Online International seminar on
RECENT ADVANCEMENTS
IN MECHANICAL ENGINEERING
on
26-27 NOVEMBER 2020
through Google Meet/ You Tube.

DAY ONE		DAY TWO	
 Dr. Fahad Mirza Senior Engineer Qualcomm, USA	 Dr. M. Ahmad Ansari Associate Professor Aligarh Muslim University	 Dr. U. Mohammed Iqbal Associate Professor SRM Institute of Science and Technology, India.	 Mr. Shivendra Singh Founder and CEO RobotiAI Private Limited, Hong Kong.
No Registration Fees. E-Certificate will be provided to all registered candidates			
Event Coordinators : Er. Abhishek Dwivedi (Assistant Professor, +91-86876 66651) Er. Kamran Rasheed (Assistant Professor, +91-98890 44634) Er. Shara Khursheed (Assistant Professor, +91-73880 87630)			
Please Click the link below to join us https://forms.gle/99928nfnj2BbbJpQ6			

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