

Report

2nd Conference on “**Recent Advances in Manufacturing, Automobile and Thermal Engineering (RAMAT-2021)**”

As a humble beginning-towards empowerment of our society through technology to create a better tomorrow, Department of Mechanical Engineering, Sagar Institute of Science Technology and Research (SISTec) Ratibad campus conducted a 2nd Conference on “**Recent Advances in Manufacturing, Automobile and Thermal Engineering (RAMAT-2021)**” on 12th, 13th March 2021. This conference was sponsored by Rajiv Gandhi Prodhdyogiki Vishwavidyalaya Bhopal (RGPV) under TEQIP-III.



This Conference give the intensive exposure to a topic through presentations and discussions led by multiple experts. It also provides the opportunity to learn about areas of research which may have never heard of. Try going to some concurrent presentation sessions on a topic one may be less familiar with, he might learn about a different research methods or skills that could be innovatively applied to solve practical problem. By attending other presentations, participants can learn from others and improve their own skills and knowledge about their field.

The selected paper are published in reputed journal **International Journal of Advanced Engineering Science and Technological Research (IJAESTR)**.

Total 21 Paper are selected for presentation and publication in journal.

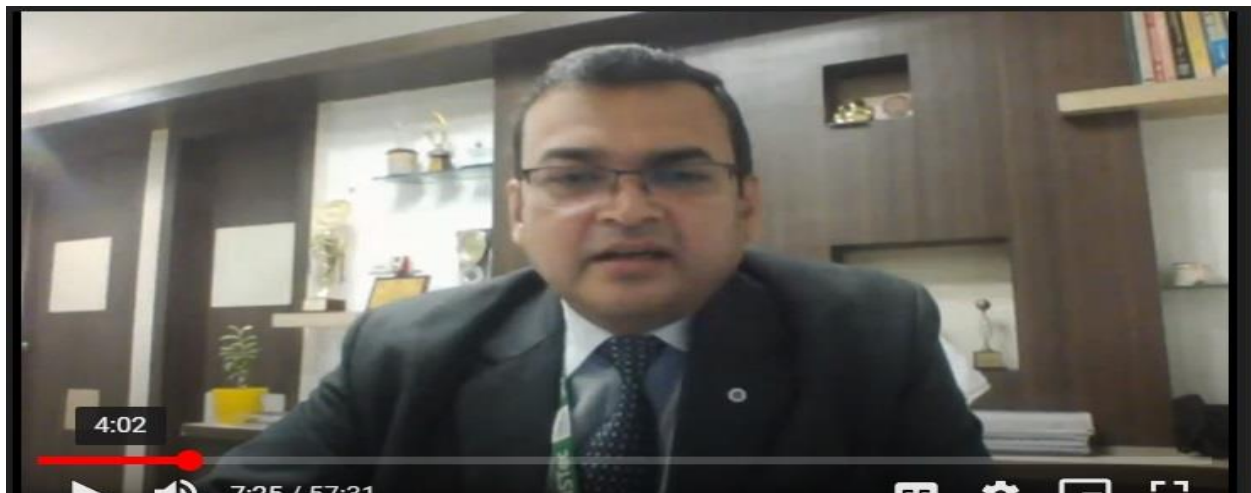
Day- 1 (12/03/2021)

The conference inaugural function was graced by **Mr. Mukesh Tiwari**, Chief Operating Officer, DiversiTECH Group of Companies Pithampur as Chief Guest and **Dr. S.C. Choubey**, TEQIP-III Coordinator, RGPV Bhopal as Guest of Honor in presence of **Dr. Jyoti Deshmukh**, Director Sagar Group of Institutions and **Dr. Mahish Billore Sir**, Principal SISTec Ratibad Campus.

Mr. Mukesh Tiwari in his inaugural speech emphasizes on the requirement of current skill in the fresh graduating technocrats. He said that the automation in the industries required professional with knowledge of new advance skills.

Dr. Manish Billore, Principal SISTec-R, welcomed the chief guest and participants. She briefly discussed the backdrop against which the conference had been organized. She extended his heartfelt gratitude to all the Speakers and Participants

Chief Guest, **Dr S. C. Choubey** in his inaugural speech emphasized on the importance of recent skills in engineering disciplines. He also quoted that updating in technologies should be able to make the things easily adaptable and convenient for the use. During her speech he also elaborated the importance of multiskilled knowledge is the current need of industries. He congratulated SISTec-R for organizing such event.



REC Prashant Jain is presenting

Sanjeev Gupta and 35 more 50 10:49 AM You

Additive Manufacturing and it's Applications

by Dr. Prashant K. Jain

During

2ND National Conference on Recent Advances in Manufacturing, Automobile and Thermal Engineering – 2021 (RAMAT-2021)

March 12-13, 2021

PDPM INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, MANUFACTURING JABALPUR established by MHRD, Govt. of INDIA

Prashant Jain Dhirej Kumar Sin... Manish gupta

Pankaj giri Kunal Singh Rajkumar Nagw...

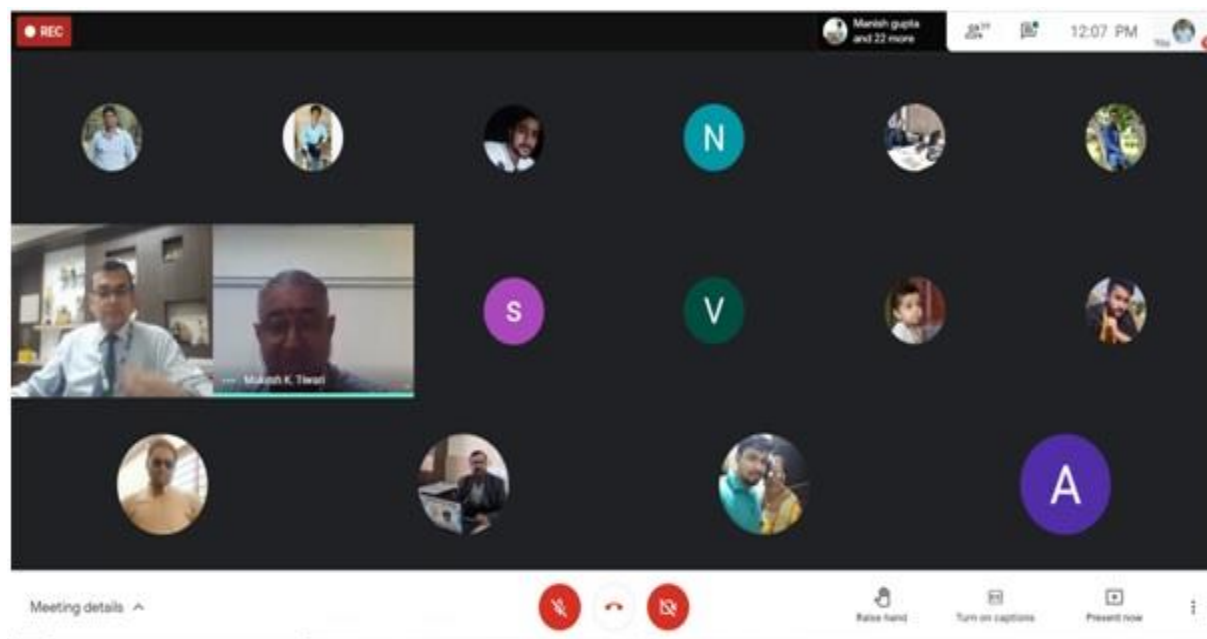
You can't unmute someone else SANDEEP CHOU... rajeev kumar

Rohit Mahato Prince Sohi kuldeep thakur



11.30 AM – 12.30 PM

- Keynote session by Mr. Mukesh Tiwari Sir on topic Required skills in Technocrats seeking update Technologies used in Industries.



01.30 PM – 03.30 PM

- Technical Session- Paper Presentation
This session is chaired by Dr. Manish Joshi Sir. In this session total 12 Papers are presented by students and research scholars

REC Himanshu Upadhyay is presenting 2:24 PM

Schematic Representation of HVAC system

DESIGN PARAMETERS

- Energy efficiency
- Cleanliness
- Cost
- Temperature uniformity
- Humidity control
- Chemical exhaust efficiency
- Noise control

Prince Sant has left the meeting

2nd National Conference RAMAT-2021

Participants: Vabhav Sahu, Chandrakumar Parthi, Himanshu Upadhyay, ANSHU MISHRA, Dr. Manish Jaisi, Tanmay Sharma, Gaurav Prakash, Vivek Choudhary, SANDEEP CHOUDHARY and 18 more joined, DEEPIK CHOUDHARY.

Controls: Raise hand, Turn on captions, Himanshu Upadhyay is presenting

Day-2- 13/03/2021

10.30 AM – 12.00 PM

- Keynote session by Dr. Prashant Kumar Jain Sir, Professor Department of Mechanical Engineering IIITDM Jabalpur on topic Additive Manufacturing and its Applications.

REC Prashant Bajpay... and 37 more 10:45 AM You

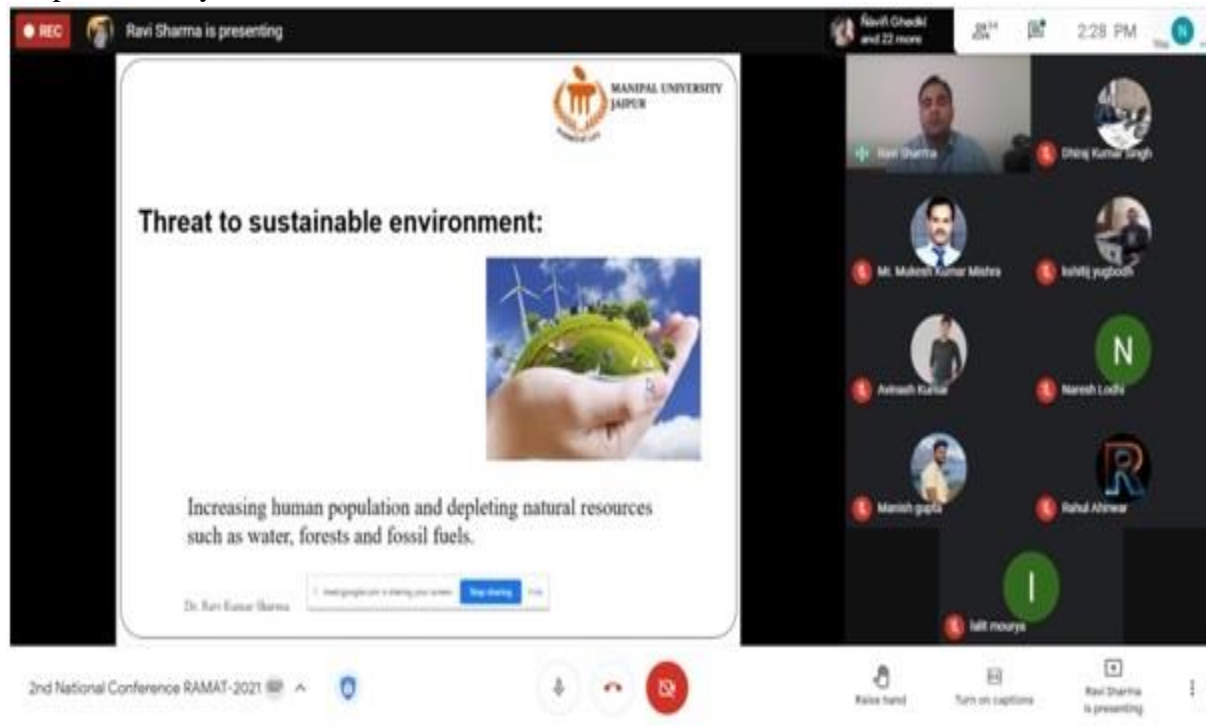
Participants: Kunal Singh, Dhiraj K, Pankaj giri, Mute Dhiraj K, Singh.

Prashant Jain

1.00PM – 2.30 PM

- Technical Session- Paper Presentation

This session is chaired by Prof. Kshitij Yugbodh, HOD Mechanical. In this session total 08 Papers are presented by students and research scholars



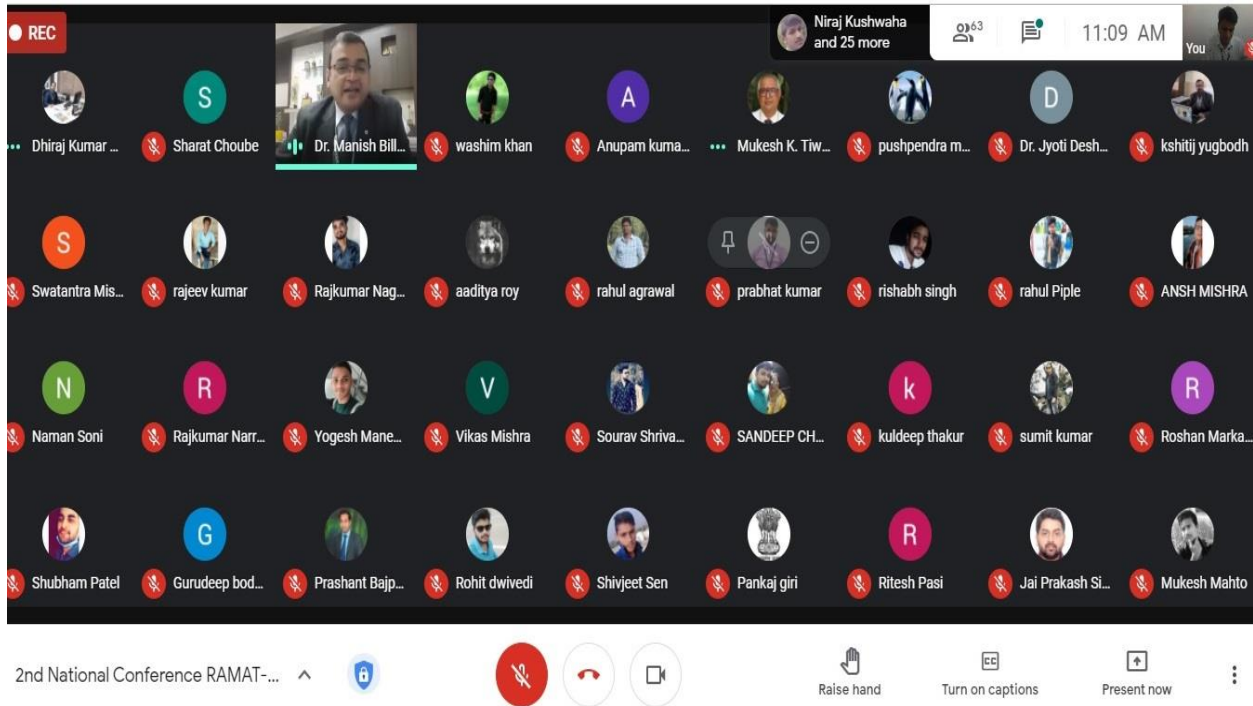
2.30 PM – 3.30 PM

- Keynote session by Dr. Ravi Kumar Sharma Sir, Professor Department of Mechanical Engineering Manipal University Jaipur on topic Thermal Energy Storage using Phase Change Materials.



3.30PM – 3.45 PM

- Valedictory function and Vote of Thanks.



Prof. Rahul Agrawal, Co- Coordinator of conference concluded the session with Thanking to RGPV who gave us the opportunity to conduct this conference under TEQIP-III, Management of Sagar Group and all the keynote speaker and participants.

Outcome of STTP:

Vision of this conference is to promote excellence in scientific knowledge and innovations in the field of mechanical engineering and related disciplines to motivate young researchers.

The main Outcomes of Conference are:

- (a) Exposure or Interaction with Academia & Industry Persons
- (b) Provide a forum to researchers around the nation to explore and discuss on various aspects of science and engineering.
- (c) Objective to provides opportunities for the participants to exchange the new innovation, applications, experiences to establish recent development awareness programme