





A Report on
Faculty Interaction Programme
Organized by
Department of Mechanical Engineering
Date: 13.12.2023



MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE
(UGC - AUTONOMOUS INSTITUTION)
Madanapalle-517325, Annamayya District, Andhra Pradesh





DEPARTMENT OF MECHANICAL ENGINEERING
Organizes

FACULTY INTERACTION PROGRAMME

Resource Person
DR. MANAS DAS
ASSOCIATE PROFESSOR, ME DEPT., IIT GUWAHATI

Date: 13.12.2023 Time: 12.30 PM

Chief Patron Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent	Patron Mrs. Keerthi Nadella Executive Director	Chief Convener Dr. C. Yuvaraj Principal	Convener Dr. S. Baskaran Head, ME	Coordinator Dr. Rupshree Ozah Dr. Dhrubajit Sarma Assistant Professor, ME
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Submitted by: Dr. Rupshree Ozah, Assistant Professor, Dept. of ME
Faculty Attended: 16

Coordinated by: Dr. Rupshree Ozah, Assistant Professor, Dept. of ME
Dr. Dhrubajit Sarma, Assistant Professor, Dept. of ME

Resource Person: Dr. Manas Das, Associate Professor, Department of Mechanical Engineering, IIT Guwahati.

Report Received on 28.12.2023

Resource Person Profile:

Dr. Manas Das currently serves as an Associate Professor at the Indian Institute of Technology Guwahati. He earned his Ph.D. in Mechanical Engineering with a specialization in Manufacturing Science from the Indian Institute of Technology Kanpur in 2011 and M. Tech in 2004 from IIT Kanpur. Dr. Das has been recognized for his significant contributions to the field, receiving the prestigious 2012 AM Strickland Prize from the Manufacturing Industries Division of the Institution of Mechanical Engineers. The award was granted in acknowledgment of his paper titled 'Computational fluid dynamics simulation and experiential investigations into the magnetic-field-assisted nano-finishing process,' co-authored with V. K. Jain and P. S. Ghoshdastidar.



The programme started at 12:30 PM with a welcome address to all the faculty members by Dr. S. Baskaran, HOD, ME, MITS, Madanapalle.

The brief introduction to resource person was given by Dr. Rupshree Ozah, Assistant Professor, ME Department followed by session handover to **Dr. Manas Das, Associate Professor, Department of Mechanical Engineering, IIT Guwahati.**

The resource person started the session by extending his hearty thanks to the faculty members, HOD, Principal and Management of MITS Madanapalle for giving opportunity to share his knowledge and experience on the current trends and opportunities of research and development in the field of machining. The resource person shared valuable insights on several important topics during his engaging lecture. The resource person emphasized on the usage of modern tools and technologies in the following domain.



- Advanced materials machining
- Additive manufacturing and hybrid machining
- Micro and nano-machining
- Machine learning and artificial intelligence
- Multi-axis machining and complex geometries
- Energy efficiency in machining

The resource person enquired departmental research facilities and suggested a few areas for better facility utilization.

The session concluded with the vote of thanks given by Dr. Dhruvajit Sarma, Assistant Professor, ME Department. He thanked the management, Dr. C. Yuvaraj (Principal MITS), Dr. S. Baskaran (HOD, ME), faculty members of ME department for support received for organizing the guest lecture.

