

Faculty Development Program Report

Department of Mechanical Engineering

(Date: 20-24, February, 2024)

	<h3 style="color: red;">SANDIP</h3> <h4 style="color: red;">UNIVERSITY</h4> <p>— UGC Recognised —</p>	
NATIONAL LEVEL ONE WEEK FACULTY DEVELOPMENT PROGRAM (Online mode) on		
EMERGING TRENDS IN ADVANCE MANUFACTURING TECHNOLOGY		
<p>[From 20.02.2024 to 24.02.2024]</p> <p>Organized by Department of Mechanical Engineering School of Engineering and Technology, Sandip University, Nashik Maharashtra.</p>		
<p>❖ CHIEF PATRON</p> <ul style="list-style-type: none"> ▪ Dr. Sandip N. Jha, Hon'ble Chairman, Sandip University, SUN, Nashik <p>❖ PATRONS</p> <ul style="list-style-type: none"> ▪ Dr. Rajendra Sinha, Vice Chancellor, SUN. ▪ Mr. Pramod Karole, OSD, SUN, ▪ Dr. Prasad Baviskar, Registrar, SUN, ▪ Dr. Arun Kumar Dwivedi, IQAC Director, SUN ▪ Dr. A. K. Mansuri, DSW, SUN <p>▪ CONVENOR</p> <ul style="list-style-type: none"> ▪ Prof. Dr. Prakash Burade Asso. Dean, SOET, SUN <p>❖ CO-CONVENOR</p> <ul style="list-style-type: none"> ▪ Dr. Vishal Sulakhe (HOD, MECH), SUN <p>❖ CO-ORDINATOR</p> <ul style="list-style-type: none"> ▪ Dr. Srikant Prasad, Asst. professor ▪ Dr. Rahul Kumar, Asst. Professor ▪ Mr. Jainesh Sarvaiya, Asst. professor 	<p>❖ SUB-TOPIC</p> <ul style="list-style-type: none"> ▪ <i>Advance Composites</i> ▪ <i>Advance Welding and Forming process</i> ▪ <i>Advance Material Processing</i> <p>❖ RESOURCE PERSON</p> <ol style="list-style-type: none"> 1. Dr. Ratnakar Das (NIAMT Ranchi) 2. Dr. Pavan Kumar (IIT Mumbai) 3. Dr. Satish Kumar (NIT Trichy) 4. Dr. PVSS Sridhar (Engineering Staff College of India, Telangana) 5. Dr. Amit Raj (IIT Mumbai) 	<p>❖ ORGANISING COMMITTEE</p> <ul style="list-style-type: none"> ▪ Dr. Sanjay D. Nikhade (Asso. Professor) ▪ Dr. Kiran Kaware (Asst. Professor) ▪ Mr. Akshay G. Tajane (Asst. Professor) ▪ Mr. Durgesh Y. Borse (Asst. Professor) ▪ Mr. Subodh A. Shirsath (Asst. Professor) ▪ Mr. Amit Adhaye (Asst. Professor) ▪ Mr. Amit Motwani (Asst. Professor) <p>❖ TECHNICAL STAFFS</p> <ul style="list-style-type: none"> ▪ Mr. Prashant B. Gaikwad ▪ Miss. Tejaswini Jadhav
		<p>REGISTRATION FORM</p>  <p>Registration link: http://surl.li/qmvgk</p> <p>Free registration <small>In case of any queries, contact</small> Dr. Srikant Prasad (☎ : 7002176009) srikant.prasad@sandipuniversity.edu.in Dr. Rahul Kumar (☎ : 895803122) rahulkumar@sandipuniversity.edu.in</p>

Title of FDP: FDP on EMERGING TRENDS IN ADVANCE MANUFACTURING TECHNOLOGY

Mode: Online

Inauguration Venue: Dean Board Room, SOET, Sandip University

Date: 20-24, February, 2024

Organized by: Mechanical Engineering, SOET, Sandip University

Objectives: The journey we embarked upon in this program has been nothing short of transformative. We came with open minds, ready to embrace new ideas, methodologies, and approaches to enhance our teaching and professional growth. Over the course of this program, we have engaged in thought-provoking discussions, collaborated on innovative projects, and honed our skills to become better educators. One of the most valuable aspects of this program has been the opportunity to learn from each other. The diversity of expertise and experiences within our faculty community has enriched our discussions and broadened our perspectives.

Program Schedule

Layout of FDP	Time	Session Details
Day-1 20 th Feb 2024	11.00 am	“Inauguration Ceremony”
	11.30 am	Dr. Ratnakar Das - Professor NIAMT Ranchi, Doctorate IIT Guwahati, Topic - <i>"Research Prospective of Multi-hole Extrusion Process"</i>
Day-2 21 st Feb 2024	11.00 am	Dr. Pavan Kumar - Post Doctoral Fellow in the Department of Metallurgical Engineering and Materials Science, IIT Bombay, Topic - <i>"Effect of Pre-Strain on Forming Limit Diagram of Metallic Sheet"</i>
Day-3 22 nd Feb 2024	11.00 am	Dr. Satishkumar V. - Assist. Prof. NIT Trichy, Doctorate IIT Guwahati, Topic - <i>"Sustainable Manufacturing Insights on Joining & Forming, and Application of sandwich sheets for developing prosthetic foot"</i>
Day-4 23 rd Feb 2024	11.00 am	Dr. P. V. S. S. Sridhar - Associate Professor, Doctorate IIT Guwahati, Topic - <i>"Double-Sided Submerged arc welding of Stainless Steel"</i>
Day-5 24 th Feb 2024	11.00 am	Dr. Amit Raj - Post Doctoral Fellow in the Department of Metallurgical Engineering and Materials Science, IIT Bombay, Topic - <i>"Finite Element Modelling of Additive Friction Stir Deposition (AFSD) Process"</i>
	12 pm	<i>Validation ceremony</i>

Participants:

RESOURCE PERSON

Dr. Ratnakar Das (NIAMT Ranchi)

Dr. Pavan Kumar (IIT Mumbai)

Dr. Satish Kumar (NIT Trichy)

Dr. PVSS Sridhar (Engineering Staff College of India, Telangana)

Dr. Amit Raj (IIT Mumbai)

FDP RESOURCE PERSONS

	<p>Dr. Ratnakar Das, Professor NIAMT Ranchi, Doctorate IIT Guwahati, Topic - “Research Prospective of Multi-hole Extrusion Process” Contact-9504774015 Email-ratnakardas@niamt.ac.in</p>
	<p>Dr. Pavan Kumar, Post Doctoral Fellow in the Department of Metallurgical Engineering and Materials Science, IIT Bombay, Topic - “Effect of Pre-Strain on Forming Limit Diagram of Metallic Sheet” Contact-9424938094 Email-pavan.kumar@iiitdmj.ac.in</p>
	<p>Dr. V. Satishkumar, Asst. Professor, NIT Trichy, Doctorate IIT Guwahati, Topic – “Sustainable Manufacturing: Joining, Forming and Development of Adhesive Bonded” Contact-9952648848 Email- satheeshsrec85@gmail.com</p>
	<p>Dr. P. V. S. S Sridhar, Associate Professor Management and Technology Division, Engineering Staff College of India (A Forum of Institution of Engineers, India) Doctorate IIT Guwahati- Topic - “Double-Sided Submerged Arc Welding of Stainless Steel” Contact-7896172182 Email-pvss.metal@gmail.com</p>
	<p>Dr. Amit Raj, Post-Doctoral Fellow in the Department of Metallurgical Engineering and Materials Science, IIT Bombay, Topic - “Finite Element Modelling of Additive Friction Stir Deposition (AFSD) Process” Contact-9101328704 Email-amit.raj@alumni.iitg.ac</p>

Feedback link

The feedback has been collected for all 5 Days FDP. Total 1416 feedback has been collected from our online and registered participants.

Highlight any collaborative projects or initiatives discussed or initiated during the program.

Challenges Faced: First day on 20th Feb 2024 only 101 online participants could join our FDP due to restriction of participants on personal university id. We contacted to university system admin, they provided us university official id for zoom meeting, and after that smoothly more than 100 participants all others day joined online.

Address any challenges faced during the program and how they were mitigated.

Recommendations for Future Programs: Our mechanical department organising is organising another FDP from 4th march to 8th March.

Provide recommendations for improving future Faculty Development Programs.

Conclusion:

- Summarize the overall success of the program and its impact on faculty development.
- Acknowledgments: Acknowledge the organizers, sponsors, and contributors to the success of the program.
- Appendices: Include any additional materials, such as presentation slides, workshop materials, or detailed participant feedback.

Glimpses of FDP





Validatory Script

Dear Participants,

We are thrilled to extend our heartfelt congratulations to each and every one of you who participated in “EMERGING TRENDS IN ADVANCE MANUFACTURING TECHNOLOGY”. Organized between 20th and 24th Feb 2024. Your dedication, hard work, and commitment have truly set a remarkable standard.

We are pleased to inform you that the certificates for your outstanding participation and achievements are now ready for distribution. The certificates acknowledge your valuable contributions and serve as a testament to your commitment to excellence.

FDP Coordinator

Dr. Srikant Prasad

Mr. Jainesh Sarvaiya