NATIONAL SEMINAR
on
Smart and Sustainable Manufacturing: Industry 4.0 & Beyond

(HYBRID MODE)

Website: https://sasm25bits.bitsindri.ac.in

May 05, 2025 - May 09, 2025

(Participants may attend the event without submitting paper)

ORGANIZED BY

DEPARTMENT OF PRODUCTION & INDUSTRIAL ENGINEERING

BIT SINDRI, DHANBAD, JHARKHAND

(A Govt. Engineering Institute under DHTE, Jharkhand)

SPONSORED BY

Jharkhand Council on Science, Technology and Innovation (JCST&I)
DHTE, Government of Jharkhand

CO-SPONSORED BY

BITSAA International

ABOUT THE SEMINAR

The seminar would be a national-scale event going to be organized by Production & Industrial Engineering Department, BIT Sindri, Dhanbad. This five-day event is being envisioned to fuel discussions and create possible roadmaps for taking our manufacturing sector to the era of Industry 4.0 and beyond. This initiative will serve as a platform to facilitate collaboration between the academic, industrial, and research communities, fostering a synergy that can drive innovation and sustainable growth. By bringing together experts and stakeholders from various sectors, the program will focus on exchanging ideas and sharing best practices to harness the potential of digital technologies in manufacturing. The deliberations in this seminar are expected to provide guidance for the digital transformation of the manufacturing industries in the eastern part of the country.

It will not only boost regional manufacturing capabilities but also foster a deeper, more innovative approach to the integration of technology into traditional industries, strengthening India's overall competitiveness on the global stage.

THEMES OF THE SEMINAR

- Additive Manufacturing
- AI: Manufacturing Applications
- Autonomous Production
- Analytics and Big Data
- Cyber-physical Systems

- Industrial Internet of Things
- Smart and Digital Supply Chains
- Maintenance & Lifecycle management
- Sustainable Manufacturing

KEY RESOURCE PERSONS

- Mr. Deepak Jain, ED, Digital Transformations, SAIL Ranchi, Jharkhand
- Prof. Somnath Chattopadhyaya, Mech. Engg. Dept., IIT-ISM Dhanbad, Jharkhand
- Prof. Vinay Sharma, Prod. Engg. Dept., BIT Mesra, Ranchi, Jharkhand
- Prof. K K Singh, Mech. Engg. Dept., IIT-ISM Dhanbad, Jharkhand
- Ms. Neelima Sharma, Dy. Head, Digital, Cairn Oil and Gas India, New Delhi
- Dr. Alok Raj, Asso. Prof., XLRI Jamshedpur, Jharkhand

        … and other experts from IITs, NITs, CSIR Labs, and Industries

IMPORTANT DATES

Last Date for Extended Abstract Submission	**22nd April**
Abstract Acceptance Notification	**25th April**
Last Date for Full Paper Submission (optional)	**30th April**

REGISTRATION

Category	Fee(INR)
Students (UG/PG) & Research scholars	500
Participants from industry/Faculty members from academia	1,000

Registration fee includes a kit consisting of a copy of conference printed materials and tea/coffee during the Event.
For outstation participants, food and stay can be arranged in the institute guest house on additional payments basis

ACCOUNT DETAILS

Account no-	**10635508859**	Branch	**BIT SINDRI**
IFSC	**SBIN0011812**	MICR	**826002516**
UPI ID	**bitsindri897456@sbi**		

Registration link	**https://forms.gle/HrQExxzhzzpmq8R8A**
Abstract submission guide	**https://shorturl.at/Qe6KB**
Abstract Submission link	**https://forms.gle/Ssq9ZTHnGJALCNsG8**

PUBLICATION

A Book of Abstracts based on the expert talks and the research presentations will be published during the seminar

ABOUT BIT SINDRI

BIT Sindri, began as the College of Mechanical and Electrical Engineering in 1949 at Patna. Following a year, it shifted to Sindri on 17th, November 1950. Consequently, BIT Sindri was brought into the world by a principal, three professors, and sixty undergraduates in a simple function with some tea over the dining table. The Institute developed and prospered quickly during the good 'ole days under the dynamic leadership of Prof. D.L. Deshpande, the-then Director [1950-61], who is considered "The architect of the Institute."
The institute offers B.Tech. courses in 10 disciplines of engineering, namely Mechanical, Electrical, Metallurgy, Production and Industrial, Chemical, Electronics & Communications, Civil, Mining, CSE, IT and 10 M.Tech. specializations. The institute possesses modern amenities, which include multimedia auditoriums, seminar rooms, and smart classrooms, etc.

ABOUT PRODUCTION & INDUSTRIAL ENGINEERING

The Production & Industrial Engineering Department of BIT Sindri (formerly known as Production Engineering), is the first of its kind in Asia, was started in the year 1955 to offer a multidisciplinary academic program for four years B. Tech. program in Production Engineering. Ensuing, it was changed to the Production & Industrial Engineering Department to comprehend its ambit through which students can get a wide range overview of the real-world industry practices for increasing efficiency and productivity, strides towards solving complex problems, cost-effectiveness, quality control, etc.; along with the manufacturing processes. In its long expedition, the department has successfully secured its strong links with renowned industries of the country, R&D organizations, consultancy organizations, and academic institutes in the region.

ORGANIZING COMMITTEE

Chief patron	Prof. D. K. Singh, Vice Chancellor, JUT Ranchi
Patron	Prof. Pankaj Rai, Director, BIT Sindri
Convener	Prof. Prakash Kumar, Professor & HoD, PIE
Coordinators	Dr. Sumanta Mukherjee, Assistant Professor, PIE
	Dr. Surya Narayan Panda, Assistant Professor, PIE
Joint Secretary	Prof. Rakesh, Professor, PIE
	Dr. Mukesh Chandra, Assistant Professor, PIE
	Dr. Kashif Hasan Kazmi, Assistant Professor, PIE
Committee members	Mr. A.R. Ansari, Assistant Professor, PIE
	Dr. Manowar Hussain, Assistant Professor, PIE
	Mr. Abhishek Raj, Assistant Professor, PIE

FOR ANY QUERIES PLEASE CONTACT

Prof. Prakash Kumar
Professor & HOD
Production & Industrial Engineering
BIT Sindri, Dhanbad
Email: hod.pe@bitsindri.ac.in
Phone: +91-9431340536,
+91-8809274758

Dr. Sumanta Mukherjee
Assistant Professor
Production & Industrial Engineering
BIT Sindri, Dhanbad
Email: sumanta.prod@bitsindri.ac.in
Phone: +91-8637396668