Organizing Committee

Patron

Prof. D. K. Singh, Director, BIT Sindri

Convener

Prof. Prakash Kumar

PE Department, BIT Sindri

Coordinator

Dr. Surya Narayan Panda

PE Department, BIT Sindri

Co-Coordinator

Mr. Kashif Hasan Kazmi

Mr. Anand Kumar

Mr. Mukesh Chandra

PE Department, BIT Sindri

Objective of Workshop

The aim of this workshop is to provide a deep insight about fundamentals and advancement of manufacturing technology in the arena of industry 4.0. In addition, it will explore various applications of manufacturing in terms of product development and simulation, composite materials, supply chain management and IoT. Further, it will help the participants in understanding the ever-evolving concepts of manufacturability. Moreover, this workshop will explore the future scopes of manufacturing technologies, issues, challenges and research opportunities to meet the industry demands.

About the Institute

BIT Sindri was started as College of Mechanical and Electrical Engineering in 1949 in the heart of mines of India. The institute grew and flourished rapidly during the early days under the dynamic leadership of Prof. D. L. Deshpande, the Director, who is regarded as the architect of the institute. The institute is controlled administratively by the Department of Higher, Technical Education & Skill Development, Govt. of Jharkhand. The main aim of the institute is to provide valuable human resources for the industry and society through excellence in technical education and research for sustainable development. The college offers B. Tech. courses in 10 disciplines of engineering namely Mechanical, Electrical, Metallurgy, Production, Chemical, Electronics & Communications, Civil, Mining, CSE, IT besides 10 M. Tech. specializations. The college possesses modern amenities which include multimedia auditoriums, seminar rooms, classrooms, e-library, campus-wide network, well-equipped modern laboratories and state of art Siemens Centre of Excellence to cater to the industry demands.

About the Department

The Department of Production Engineering, first in Asia, was started in the year 1955. Currently, the department runs a multidisciplinary academic program with 54 intakes to the four years B. Tech. program in Production Engineering. The department has established links with different industries, R&D organizations, consultancy organizations, and academic institutes in the region in furtherance of the cause of manufacturing engineering. The faculty members are also actively engaged in the R & D and have a large number of publications.

TEQIP – III

Technical Education Quality Improvement Programme

Sponsored

One Week e-Workshop
on

Emerging Manufacturing Technologies and Strategies (EMTS-2021)

Date- 05th July to 09th July, 2021

Organized by
Department of Production Engineering
BIT Sindri, Dhanbad

About the Workshop

With the latest trend in manufacturing industries being adaptation and implementation of Industry 4.0, this workshop provides an excellent avenue for the community to keep abreast with the current technological advancements. The development in this new round of revolution in science and technology has led the traditional manufacturing industry in gradually upgradation towards to the direction of intelligent manufacturing. Industrial Internet of Things, Robotics, Artificial Intelligence, 3-D Printing and Product Configuration Tools are moving towards a new level of interconnected and intelligent manufacturing system which incorporates the latest advances in manufacturing technology. The workshop will also introduce the recent trends in manufacturing technology along with materials, modelling and simulation aspects, composites manufacturing, Supply Chain Management, and their applications in the modern industrial scenarios.

Expected Outcomes

After attending this workshop, participants will get in-depth understanding of the scope of modern and hybrid manufacturing technologies and systems in the context of the current industrial scenario. They will also be able to use modern tools for advanced product

For Any Query
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Vision of Department

- To become a center of repute striving continuously towards providing quality education, research and innovation in the field of Production and Industrial Management.

Mission of Department

- Disseminate knowledge through academic programs of the highest quality for undergraduate and postgraduate levels
- Enhancing the interaction between academia and industries thereby benefitting the country and society at large
- Foster an environment of innovation and research addressing real-world problems
- Promote commendable standards of integrity, citizenship and ethical behavior

Resource Persons

IIT, Kharagpur
IIT, Guwahati
IIT (ISM) Dhanbad
CSIR-CMERI
NIT, Patna
KIIT, Bhubaneswar
AMU, Aligarh
BIT, Sindri
Experts from Industries (Bosch India, TATA Steel etc.)

Topics of Workshop

Advanced Manufacturing Systems
Role of AI in Manufacturing Systems
Computer Aided Manufacturing
Additive Manufacturing
Hybrid Manufacturing
Processing of Composite Materials
Solar Cell Manufacturing
Product Development and Simulation
Supply Chain Management and Distribution Systems

REGISTRATION

This workshop is open to the faculty members of AICTE/ UGC approved Engineering Institutes/Universities / R&D Labs /Industry person/ Ph.D. scholars/ postgraduate and undergraduate students interested to know about the current status, scope, and challenges about advancements in manufacturing. The interested person should fill the Google form by clicking on the link below or you can send the scan copy of the following registration form to the mail id: snpanda.prod@bitsindri.ac.in

Google form link:
https://forms.gle/9JhtChSNbJLhPZHs6

No Registration fees is required for attending this workshop.

REGISTRATION FORM

Name: _____

Designation: _____

Organization: _____

Area of Work: _____

Email: _____

Contact no: _____

Address: _____

Date: _____ Signature:_____

Important Dates

Last Date of Registration: 03rd July 2021

Website: http://bitsindri.ac.in
Note: E-Certificate will be provided to participants after successful completion of workshop.