

One Week Faculty Development Program

on

“DIGITAL PROJECT MANAGEMENT USING ICT TOOLS”

Under the banner of

Jharkhand University of Technology

In association with

Electronics and ICT academy (Meity), National Institute of Technology Patna, Phase-II

May 15 – 20, 2025



Patron

Prof. D K Singh

VICE CHANCELLOR, JUT

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Co-coordinators

Dr. Ram Singh, Assistant Professor, JUT

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Organized by

Department of Mechanical Engineering
Jharkhand University of Technology

Supported by

Ministry of Electronics and Information Technology (MeitY),
Govt. of India

About JUT

Jharkhand University of Technology (JUT), Ranchi was established by the Jharkhand University of Technology, ACT, 2011 (Jharkhand ACT 18, 2015), published vide gazette No.-815 date 08/12/2015. The whole of Jharkhand shall be the territorial jurisdiction under the JUT, Ranchi. JUT is intended to promote the creation of a Centre of Excellence in education and research in science, Technology, Engineering and Management, Town Planning, Pharmacy, Applied Arts and Crafts, Applied Science and such other programs or areas as the central Government may in consultation with the All India Council for Technical Education by notification in the Gazette declare and need of Jharkhand. The mission of establishing JUT was to bring all the polytechnic and the technical colleges of state under one umbrella and increase the number of universities and impact quality education

Electronics and ICT Academy

Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and Information & Communications Technology (ICT) Academies, of which the academy of NIT Patna is one. The Academy at NIT Patna aims to design and organize basic and specialized training programs in niche areas of electronics and ICT for the development of the required knowledge base, skills, and tools to equip the teaching community with better knowledge and understanding. The role of the academy is to offer faculty development programmes (Workshops) in emerging areas of Electronics, Information Communication Technologies, Training & Consultancy services for Industry requirements, Curriculum development for professionals as per the requirement of Research, CEP for working students and professionals, technical incubation and entrepreneurial activities.

FDP Objective

Under the umbrella of this academy, a standardized Faculty Development Program (FDP), namely ‘DIGITAL PROJECT MANAGEMENT USING ICT TOOLS’ is designed to provide postgraduate students, industry personnel and academic professionals with practical knowledge and skills in managing projects using modern digital tools. This program aims to enhance participants' understanding of project planning, execution, and monitoring by integrating Information and Communication Technology (ICT) tools. The sessions will cover essential topics such as task management, resource allocation, collaboration platforms, and data analysis to improve efficiency and productivity in academic and research projects. By the end of the FDP, participants will be equipped with the skills to effectively apply ICT tools in their academic and professional endeavours, fostering better project outcomes and improved collaboration. The objective of a Faculty Development Program (FDP) on Digital Project Management Using ICT Tools should focus on enhancing the participants' knowledge, skills, and practical application of digital tools in managing projects effectively.

Topics to be covered

- **Fundamentals of digital Project management**-Digital Project Management & iPeMS, Project Planning Essentials, Introduction to iPeMS.
- **Project planning & scheduling using ICT tools**-Integrated Project Engineering and Management System (iPeMS) for Enhanced Project Outcomes, Power of Digital Integration, key components of a Digital Integrated Project Management Process.
- **IoT and 3D**-Industrial IoT based Productivity in iPeMS, Applications of Virtual Construction, Digital Watch Tower Concept in iPeMS.
- **Digital scheduling & Resource allocation with iPeMS**-Foundations of Digital Scheduling, Resource Allocation in iPeMS, Integrating Scheduling and Resource Allocation.
- **Documentation, Reporting and Automations**-Importance of Digital Documentation & Report

Generation, ICT Tools for Reporting (Google Docs, Google sheet & Google Gemini), AI & Automation in Project Management, BIM/AR/VR and 3D simulations.

- **Case studies, Industries best Practices and Valedictory session**-Practical approach-Case Studies and Best Practices Real-World Examples- (Team work), Dashboard Design Best Practices (Team Work)

Resource Persons

- **Mr. Rajesh Ranjan Jha**
Former Vice president Engineering & Project Tata Steel, Jamshedpur.
- **Mr. Dwarika Nand Jha**
Former GM Design & Engg. Tata Steel & Director, iPe Projects & Technical Services Pvt. Ltd. Jamshedpur
- **Mr. Anil Kumar Singh**
Former Chief Design & Engg., Tata Steel & Operating Officer, iPe Projects & Technical Services Pvt. Ltd. Jamshedpur.
- **Mr. Arunesh Sharan**
Advisor & Consultant DXC India, Former President, West Africa, ISON Group, Lagos, Nigeria, Former CEO Connectiva analytics and Insights Ltd, India & Vice President, iPe Projects & Technical services Pvt. Ltd. Jamshedpur
- Other recourse persons from reputed institutions and industries.

One-week FDP includes

Six-days training will be taken by a group of experts from Tata Steel ex-employees/iPe Projects & Technical Services Pvt. Ltd. Jamshedpur with many years of experience. The training hours is 6 hours each day. The mode of training will be hybrid and will include:

- **40 Hours of Instructor-led theory and practical sessions.**
- Soft copy of study material, Training PPTs, & Project code.
- E-certificates will be given to participants who have attended more than 70% of the FDP sessions and pass the tests.
- **Mode of Conduction: Hybrid (Offline+Online)**

Who Can Participate

Faculty members, research scholars of recognized universities from India and abroad, and industry personnel. Govt. employee at high level.

Limited Seats (Maximum 100) and the selection will be done on first-cum-first-serve basis.

Registration Fee:

India and SAARC Countries: 500 INR (Including GST)
Other than SAARC countries: 60 dollars (Including GST)

Registration Process

1. The registration fee should be paid through bank transfer or UPI. The account detail for this purpose is as follows:

Account Name: E AND ICT ACADEMY,
Account no: 50380476798,
IFSC Code: IDIB000B810
Bank Name: Indian Bank

Or

Scan the below QR code for payment using UPI apps.



2. Complete the registration with the link below:
<https://forms.gle/FjC4w8mY4d4obUCx9>
3. **Registration deadline: 10 May 2025 11:59 PM (IST)**

For any queries, please contact:

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