



AICTE-Advanced FDP Program

Pillai HOC College of Engineering and Technology

Pillai HOCL educational campus, Khalapur, HOC Colony Rd, Taluka, Rasayani,
Maharashtra 410207



**2 Weeks Advanced FDP Program On “Recent Trends and digital techniques in Manufacturing Systems
Emerging Field: Manufacturing & Industry 4.0**

Scheduled Dates: 01/12/2025 to 13/12/2025

FDP Schedule: Week 1

Day	Morning Session		Lunch Break 1.00 to 2.00	Afternoon session	
	10.15 to 11.30	11.30 to 1.00		2.00 to 3.30 PM	3.30 PM to 5.00 PM
01/12/2025 Monday	Dr. S. S. Mantha Former AICTE, Chairman & Emeritus Professor, VJTI Topic: Key note on Digital Techniques for Manufacturing Systems	Dr.Dhanraj P.Tambuskar Professor, SBU, Pune Topic: Building resilient supply chain using Digital twin		Dr.Debdatta Damodhar Acharya Director, Icertis, Pune Topic: Transforming businesses in Manufacturing by digital techniques	Hands on training /Labs
02/12/2025 Tuesday	Dr Shisir Gupta Head, Power electronics and automation, Schneider Electric India Pvt. Ltd Topic: Manufacturing Plant automation with data capture , analytics and feedback			Dr.S.M.Joshi Principal, PCE Panvel Topic: Digital Techniques in Solar Dryer Manufacturing System	Hands on training /Labs
03/12/2025 Wednesday	Dr.Vaibhav Narwane Asso. Professor, Somaiya University Topic: Digital Twin for predictive Maintenance			Dr.Swati Narwane Asso. Professor, RGIT, Mumbai Topic: Machine Learning for Predictive Maintenance	Hands on training /Labs
04/12/2025 Thursday	Shri.Vijay Bhosale Asst. Professor, Somaiya University, Automation in Pot hole Filling Machine	Dr. Nitesh Yelve Professor, IIT Mumbai Topic: Introduction to Industrial Maintenance Practices Digital Twin techniques and AI/ML		Dr. G.V.Patil Professor, PHCET, Rasayani Topic: Reset, Relax & Meditate (Experience Heartfulness Meditation)	
05/12/2025 Friday	Dr. M.D.Nadar Professor, PHCET, Rasayani Topic: Digital techniques in Pharma industries manufacturing systems			Dr.Satishkumar L Varma Asso. Professor, DJSCE, Mumbai Topic: AI and ML in manufacturing for Data Analysis	Hands on training /Labs
06/12/2025 Saturday	Dr.Lalit Singh Senior Scientist, Head, Artificial Intelligence Applications BARC Mumbai. Topic: DigitalTwin Development for Safety Critical Systems	Dr. Prashant Kharat Dy. Director AICTE, New Delhi Topic: Cyber Security in Manufacturing systems		Dr. Irfan NA Asso. Professor, Somaiya University Cyber Security role in manufacturing systems	Hands on training /Labs



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Scheduled Dates: **01/12/2025 to 13/12/2025**

FDP Schedule: Week 2

Day	Morning Session			Afternoon session	
	10.15 to 11.30	11.30 to 1.00		2.00 to 3.30 PM	3.30 PM to 5.00 PM
08/12/2025 Monday	Dr.Ashok Matani Retd. Professor, Govt. College of Engineering, Jalgaon Topic: Industrial Internet of Things (IIoT)	Sri Prem Gajpal Director Advik Hi Tech Pvt Limited Pune Topic: Sustainable Manufacturing Practices	Lunch Break	Dr. Rajesh Javre Faculty in Mechatronics Engg. Ratan Tata Maharashtra State Skills University, Mumbai Topic: Recent Trends and Digital Techniques in Manufacturing Systems	Hands on training /Labs
09/12/2025 Tuesday	9.30-5.00 Industry based problem solving in Industry Visit			Name of the Organization: Renewsys, India Pvt. Ltd, Patalganga Renewsys, India Pvt. Ltd, Patalganga, Dist. Raigad Pin- 410206 Area of specification : Manufacturing	
10/12/2025 Wednesday	9.30-5.00 Industry based problem solving in Industry Visit			Name of the Organization: Crystal Syndicate Pvt Ltd, 130 MIDG, Patal Ganga, Khere, Village, Raigarh District Maharastra Area of specification : Process Equipment & EPC Engineering Services	
11/12/2025 Thursday	9.30-5.00 Industry based problem solving in Industry Visit			Name of the Organization: Jay Precision Products India SEBI MIDC Patalganga, Mohopada, Maharashtra 410222 Area of specification : Toys Manufacturing	
12/12/2025 Friday	9.30-5.00 Industry based problem solving in Industry Visit			Name of the Organization: JSW Steels Limited Pen- Taluka, Raigarh District Maharastra Area of specification : Manufacturing	
13/12/2025 Saturday	Individual groups will present outcome of FDP program		Lunch Break	Valedictory Session	