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## Report on

**2 Weeks Advanced Faculty Development Program On**

**“Recent Trends and Digital Techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”**

Date: 1<sup>st</sup> December – 13<sup>th</sup> December 2025

Venue: Pillai HOC College of Engineering and Technology, Rasayani

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ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

## Welcome and Opening Speech



The inaugural session of the AICTE–ATAL sponsored Two Weeks Advanced Faculty Development Program on “*Recent Trends and Digital Techniques in Manufacturing Systems – Emerging Field: Manufacturing & Industry 4.0*” began with a welcome address by **Dr. Gajendra V. Patil**, Professor and Head, Department of Mechanical Engineering, and FDP Co-Coordinator. He welcomed the Chief Guest, dignitaries, resource persons, and participants. In his address.

Dr. Patil highlighted the relevance of Industry 4.0 and the need for continuous upskilling of faculty members to align with emerging industrial technologies. He expressed gratitude to the AICTE–ATAL Academy, institute management, and organizing committee for their support and concluded by wishing the program great success.

## FDP Overview



The FDP overview was presented by **Dr. M. D. Nadar**, Professor, Department of Mechanical Engineering, and FDP Coordinator. He briefed the participants about the objectives, structure, and outcomes of the program, emphasizing its focus on digital technologies in manufacturing systems. He outlined the key components of the FDP, including expert lectures, hands-on training sessions, laboratory work, and industry visits.

Dr. Nadar highlighted major themes such as digital twins, automation, AI/ML, IIoT, and sustainable manufacturing. He also informed participants about participation requirements and certification criteria as per ATAL guidelines and encouraged active engagement throughout the program.

## Presidential Speech

The Presidential Address was delivered by Dr. Jagdish W. Bakal, Principal, Pillai HOC College of Engineering and Technology, Rasayani. In his address, he emphasized the

ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

significance of advanced faculty development programs in strengthening academic excellence and aligning engineering education with rapidly evolving industrial requirements. He highlighted the role of digital technologies and Industry 4.0 in transforming modern manufacturing systems and the need for faculty members to stay updated with these advancements.

Dr. Bakal appreciated the efforts of the Department of Mechanical Engineering for organizing the FDP in association with AICTE–ATAL Academy. He also acknowledged the support of the institute management and organizing committee. He concluded his address by encouraging participants to actively engage in the sessions and make effective use of the learning opportunities offered through the FDP.

### Keynote Address



The keynote address was delivered by **Dr. S. S. Mantha**, Former Chairman, AICTE, and Emeritus Professor, VJTI, Mumbai. In his address, Dr. Mantha highlighted the transformative role of digital technologies in modern manufacturing systems and emphasized the strategic importance of Industry 4.0 for India’s industrial growth. He discussed how digital techniques such as automation, data analytics, and digital twins are reshaping production efficiency, quality, and decision-making processes.

Dr. Mantha stressed the need for academic institutions to continuously align their teaching and research with evolving industrial needs. He encouraged faculty members to adopt an interdisciplinary approach and actively engage in applied research and innovation. He also appreciated the initiative taken by PHCET, Rasayani, in organizing an FDP focused on emerging manufacturing technologies. The address concluded with motivating insights on the role of educators in developing industry-ready engineers and contributing to the nation’s technological advancement.

## 1. Introduction

The rapid advancement of digital technologies has significantly transformed conventional manufacturing systems, leading to the emergence of Industry 4.0 as a dominant industrial paradigm. In this context, academic institutions play a crucial role in equipping faculty members with updated knowledge and skills aligned with modern industrial practices. To address this need, the AICTE–ATAL sponsored Two Weeks Advanced Faculty Development Program on “*Recent Trends and Digital Techniques in Manufacturing Systems – Emerging Field: Manufacturing & Industry 4.0*” was organized by the Department of Mechanical Engineering, Pillai HOC College of Engineering and Technology, Rasayani.

The FDP aimed to create awareness about emerging digital technologies such as digital twins, automation, artificial intelligence, machine learning, Industrial Internet of Things, cybersecurity, and sustainable manufacturing practices. The program was designed to bridge the gap between traditional manufacturing education and contemporary industry requirements. Through expert lectures, hands-on training sessions, laboratory exposure, and industry visits, the FDP provided a comprehensive learning platform for participants. It also encouraged interaction between academia and industry professionals to promote collaborative research and innovation. Overall, the program focused on enhancing faculty competence, improving curriculum relevance, and fostering a forward-looking approach towards smart manufacturing systems.

## 2. Objectives

1. To create awareness about recent trending digital technologies used in Industry 4.0.
2. To empower the academic movement for developing academic curriculum in accordance with Industry 4.0.
3. To initiate and to promote innovative frame works at academic institutions.
4. To explore industry 4.0 framework components and to correlate with traditional manufacturing systems.
5. To enable the research scholars, faculty members and industry for state- of- the- art collaborative research.
6. To update faculty members knowledge of trending industry 4.0 techniques used in industrial applications.
7. To make conversant in the area of manufacturing digital technology and industry 4.0

ATAL 2 Weeks Advanced Faculty Development Program On  
 “Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

**3. Workshop Schedule**

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	<b>Dr. S. S. Mantha</b> Former AICTE, Chairman & Emeritus Professor, VJTI <b>Topic:</b> Key note on Digital Techniques for Manufacturing Systems	<b>Dr.Dhanraj P.Tambuskar</b> Professor, SBU, Pune <b>Topic:</b> Building resilient supply chain using Digital twin		<b>Dr.Debdatta Damodhar Acharya</b> Director, Icertis, Pune <b>Topic:</b> Transforming businesses in Manufacturing by digital techniques	Hands on training /Labs
02/12/2025 Tuesday	<b>Dr. Shisir Gupta</b> Head, Power electronics and automation, Schneider Electric India Pvt. Ltd <b>Topic:</b> Manufacturing Plant automation with data capture , analytics and feedback			<b>Dr.S.M.Joshi</b> Principal, PCE Panvel <b>Topic:</b> Digital Techniques in Solar Dryer Manufacturing System	Hands on training /Labs
03/12/2025 Wednesday	<b>Dr.Vaibhav Narwane</b> Asso. Professor, Somaiya University <b>Topic:</b> Digital Twin for predictive Maintenance			<b>Dr.Swati Narwane</b> Asso. Professor, RGIT, Mumbai Topic: Machine Learning for Predictive Maintenance	Hands on training /Labs
04/12/2025 Thursday	<b>Shri.Vijay V. Bhosale</b> Asst. Professor, Somaiya University, Automation in Pot hole Filling Machine	<b>Dr. Nitesh Yelve</b> Professor, IIT Mumbai <b>Topic:</b> Introduction to Industrial Maintenance Practices Digital Twin techniques and AI/ML		<b>Dr. Gajendra V.Patil</b> Professor, PHICET, Rasayani <b>Topic:</b> Reset, Relax & Meditate (Experience Heartfulness Meditation)	
05/12/2025 Friday	<b>Mr. Rohan Malkar</b> Project lead manager, Siemens <b>Topic:</b> Industry 5.0			<b>Dr.Satishkumar I. Varma</b> Asso. Professor, DJSC, Mumbai <b>Topic:</b> AI and ML in manufacturing for Data Analysis	Hands on training /Labs
06/12/2025 Saturday	<b>Dr.Lalit Singh</b> Senior Scientist, Head, Artificial Intelligence Applications BARC Mumbai. Topic: DigitalTwin Development for Safety Critical Systems	<b>Dr. M.D.Nadar</b> Professor, PHICET, Rasayani Topic: Digital techniques in Pharma industries manufacturing systems		<b>Dr. Irfan NA</b> Asso. Professor, Somaiya University Cyber Security role in manufacturing systems	Hands on training /Labs

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**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 2

Day	Morning Session		Lunch Break	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	<b>Dr.Ashok Matani</b> Retd. Professor, Govt. College of Engineering, Jalgaon <b>Topic:</b> Industrial Internet of Things (IIoT)	<b>Sri Prem Gajpal</b> Director Advik Hi Tech Pvt Limited Pune <b>Topic:</b> Sustainable Manufacturing Practices		<b>Dr. Rajesh Javre</b> Faculty in Mechatronics Engg. Ratan Tata Maharashtra State Skills University, Mumbai <b>Topic:</b> 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			<b>Name of the Organization: Renewsys, India Pvt. Ltd, Patalganga</b> 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			<b>Name of the Organization: Crystal Syndicate Pvt Ltd,</b> 130 MIDG, Patal Ganga, Khere,Village, Raigarh District Maharashtra Area of specification : Process Equipment & EPC Engineering Services	
11/12/2025 Thursday	9.30-5.00 Industry based problem solving in Industry Visit			<b>Name of the Organization: Jay Precision Products India</b> 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			<b>Name of the Organization: JSW Steels Limited</b> Pen- Taluka, Raigarh District Maharashtra Area of specification : Manufacturing	
13/12/2025 Saturday	<b>Individual groups will present outcome of FDP program</b>			<b>Lunch Break</b>	<b>Valedictory Session</b>

ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

## 5. Resource Persons & Topics

	<p>Dr. S. S. Mantha</p> <p>Former AICTE, Chairman Emeritus Professor at VJTI   Adjunct Professor of National Institute of Advanced Studies, Bengaluru, Professor, Emeritus, VJTI</p>
	<p>Dr. Debdatta Damodhar Acharya</p> <p>Director, Icertis, Pune</p>
	<p>Dr Shisir Gupta</p> <p>Head, Power electronics and automation, Schneider Electric India Pvt. Ltd</p>
	<p>Dr. S. M. Joshi</p> <p>Principal, PCE Panvel</p>
	<p>Dr. Gajendra V. Patil</p> <p>Head, Department of Mechanical Engineering Professor, PHCET, Rasayani</p>

ATAL 2 Weeks Advanced Faculty Development Program On  
 “Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

	<p>Mr. Rohan Malkar                  Project Lead manager, Siemens</p>
	<p>Dr. Satishkumar L. Varma                  Associate Professor, D. J. Sanghvi College of Engineering, Vile Parle, Mumbai</p>
	<p>Dr. S. S. Matani                  Professor, Department of Mechanical Engineering, Government College of Engineering Amravati, Amravati, Maharashtra, India</p>
	<p>Dr. Vaibhav Narwane                  Associate Professor in the Department of Mechanical Engineering at Somaiya Vidyavihar University, Mumbai.</p>
	<p>Dr. Swati Narwane                  Associate Professor in the Department of Computer Engineering at Rajiv Gandhi Institute of Technology, Mumbai.</p>

ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

	<p>Dr. Dhanraj P. Tambuskar</p> <p>Professor, Shri Balaji University Pune.</p>
	<p>Dr. M. D. Nadar</p> <p>Professor, Pillai HOC College of Engineering and Technology.</p>
	<p>Dr. Irfan N. A.</p> <p>Associate Professor, Somaiya University, Mumbai</p>
	<p>Dr. Rajesh Javre</p> <p>Faculty in Mechatronics Engg. Ratan Tata Maharashtra State Skills University, Mumbai</p>
	<p>Dr. Lalit Singh</p> <p>Senior Scientist, Head, Artificial Intelligence Applications BARC Mumbai.</p>
	<p>Mr. Vijay V. Bhosale</p> <p>Asst. Professor, Somaiya University, Mumbai</p>

ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

	<p>Dr. Nilesh Yelve</p> <p>Department of Aerospace Engineering (Structures), Indian Institute of Technology Bombay, Mumbai, India</p>
	<p>Mr. Kunal Krushnat Ghodake</p> <p>Head – Business Excellence, Advik Hi Tech Pvt. Ltd., Pune</p>

ATAL 2 Weeks Advanced Faculty Development Program On  
 “Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

## 6. List of Participants

Following is the list of all participants-

Sr. No.	Name of Participant	Institute Name	Contact No
1	Mr. Manoj K Jadhav	PHCET Rasayani	8108588765
2	Miss Ashwini Sayajirao Kadam	PHCET Rasayani	9967961705
3	Dr. Gajanan N. Thokal	PCE, Panvel	9892817386
4	Dr. Suhas Ananda Uthale	PHCET Rasayani	9870427915
5	Mr. Vaibhav Krishna Bhagat	PHCET Rasayani	9819685784
6	Dr. GR Patil	PHCET Rasayani	9881434674
7	Mrs. Sayali Vishal Kulkarni	PHCET Rasayani	8779683073
8	Mr. Shashi Bhushan Sankhyan	PHCET Rasayani	8007982602
9	Mr. Rahul Warghane	PHCET Rasayani	9423288534
10	Mr. Gautam Ghegadmal	PHCET Rasayani	9892919903
11	Mr. Hemant Maruti Patil	PHCET Rasayani	9028626803
12	Mr. Vivek Saoji Meshram	PHCET Rasayani	9867922393
13	Mr. Abhijeet R Aurangabadkar	PHCET Rasayani	9130088051
14	Mr. Jaslok Pandey	Saraswati IoT,Kharghar	9930750094
15	Miss Ashwini Ganesh Varma	PHCET Rasayani	9922851473
16	Mrs. Trapti Soni	PHCET Rasayani	9137945296
17	Mr. Naikwade M.Motilal	Saraswati IoT,Kharghar	8286681601
18	Dr. Sachin Kamalakar Dahake	MET's Institute of Engineering	9423338590
19	Miss Archana R. Ghadage	PHCET Rasayani	9930721268
20	Miss Snehal Dayanand Patil	PHCET Rasayani	8450972432
21	Mr. Karthik Nagarajan	PHCET Rasayani	9819420975
22	Mr. Saurabh Sanjay Sirsikar	PHCET Rasayani	9664288516
23	Mr. SRIKANTH KARANKOTI	SIT, Lonavala	8446588182
24	Mrs. Nishigandha S. Bhopi	PHCET, Rasayani	8424012852
25	Mrs. Poonam Lad	PHCET,Rasayani	8446655952
26	Mr. Rakesh Adhikrao Shinde	SIES GST Nerul	9821150311
27	Dr. Omprakash Sheshrao Patil	GMVIT, Tala	7448227450
28	Mr. Jitesh Ganpat Bhagat	GMVIT, Tala	9604297491
29	Miss Ashlesha R. Shinde	PHCET, Rasayani (Diploma)	8983848363
30	Miss Ruchika S. Bhandarkar	PHCET, Rasayani (Diploma)	7757882919
31	Mr. Aditya Ashok Shinde	PHCET, Rasayani	8767372760
32	Mr. Mangesh S. Nalawade	Terna Engineering College	9870671441
33	Dr. Atul Nilkanth Meshram	AIKTC, New Panvel	9323948596
34	Mr. Akshay Ravso Ghadge	GMVIT, Tala	8600269416

ATAL 2 Weeks Advanced Faculty Development Program On  
 “Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

35	Mr. Mahesh S. Bhadane	LTCOE	9869364496
36	Mr. Pruthviraj Pratap Rahane	PCE, Panvel	9892540955
37	Mr. Sambaji Gaikwad	SIT, LONAVALA	9321003912
38	Miss Shibani Shyamal Bose	PHCET, Rasayani	8788290541
39	Miss Pranali R. Sontakke	PHCET, Rasayani	9527800519
40	Mrs. Sarita Labde	PHCET, Rasayani	7798485890
41	Miss Poonam R Pathak	PHCET, Rasayani	8976627125
42	Miss Prajakta V. Shintre	PHCET, Rasayani	8928842982
43	Mrs. Priyanka Nitin Sorte	PHCET, Rasayani	7066549887
44	Mr. Vijay M Khaparde	K J Somaiya School of Engineering	9870459717
45	Mr. SWAPNIL S. BHOIR	SIES GST Nerul	9029591896
46	Dr. Pankaj M Dhongade	GMVIT, Tala	8390238794
47	Mr. Aniket Prakash Dumbre	PHCET, Rasayani (Diploma)	9664363737
48	Mr. Dinesh Baliram Tare	KGCE Karjat	9579666452
49	Mr. Shabbir juzer Karjatwala	KGCE Karjat	8055094241
50	Dr. Niteshkumar Agrawal	VJTI Mumbai	8928753481
51	Dr. Gajanan M. Galshetwar	VJTI, Mumbai	9421759142
52	Mr. Vinayak Niwasrao Patil	BVCOE Navi Mumbai	9869526739
53	Mr. ATUL V. JADE	PHCET, Rasayani	9869071629
54	Mr. Kuldeep Pawar	BVCOE Navi Mumbai	8369019958
55	Mr. Santosh Dabade	SIT, LONAVALA	9766914691
56	Dr. Divya Padmanabhan	PCE, Panvel	9920200909
57	Mr. Shishirkumar Kadam	PHCET, Rasayani	9769486850
58	Mr. Amar Arun Jadhav	PHCET, Rasayani	9892903490

## 7. Summaries of Technical Sessions

The technical sessions conducted during the AICTE–ATAL sponsored Two Weeks Advanced Faculty Development Program were meticulously planned to provide participants with a thorough understanding of recent trends and digital techniques in manufacturing systems. The sessions were delivered by distinguished academicians, industry professionals, and researchers from reputed institutions, research organizations, and industries. These expert-led sessions enabled participants to explore both theoretical concepts and practical applications related to Industry 4.0 in a structured and progressive manner.

A significant focus of the technical sessions was on **digital transformation in manufacturing**, with detailed discussions on digital twins, automation, and data-driven manufacturing systems.

ATAL 2 Weeks Advanced Faculty Development Program On

“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

Participants were introduced to the concept of digital twins and their applications in simulation, real-time monitoring, predictive maintenance, and optimization of manufacturing processes. Sessions on **artificial intelligence and machine learning** emphasized their role in analyzing large volumes of industrial data for predictive analytics, fault detection, and decision support systems. The integration of AI and ML with manufacturing systems was explained through relevant industrial use cases and examples.

Several sessions highlighted the importance of **Industrial Internet of Things (IIoT)** in smart manufacturing environments. Topics such as sensor integration, data acquisition, connectivity, and real-time feedback mechanisms were discussed in detail. Experts also elaborated on the role of automation and advanced control systems in improving productivity, quality, and operational efficiency in manufacturing plants. Sessions on **cybersecurity** addressed the growing need to protect industrial networks and data from cyber threats in digitally connected manufacturing systems.

Industry-focused sessions covered practical applications of digital techniques in areas such as **supply chain management, sustainable manufacturing practices, pharmaceutical manufacturing systems, and solar and advanced manufacturing technologies**. Eminent speakers from industry shared real-world case studies, implementation challenges, and best practices, offering participants valuable insights into current industrial trends and expectations. The session on **Industry 5.0** provided a broader perspective on human-centric, sustainable, and resilient manufacturing systems, highlighting the evolving role of engineers and educators.

Hands-on training sessions and laboratory activities formed an integral part of the FDP, enabling participants to practically explore digital tools, simulation platforms, and analytical techniques discussed during the lectures. These sessions encouraged experiential learning and active engagement among participants. Industry visits and industry-based problem-solving sessions further enhanced participants’ understanding of live manufacturing environments, industrial workflows, and operational challenges. Overall, the technical sessions were highly informative, interactive, and impactful, significantly contributing to the enhancement of participants’ technical knowledge, practical skills, and awareness of emerging digital manufacturing trends.

## **8. Summary of Industrial Visits**

As an integral part of the AICTE–ATAL Advanced Faculty Development Program, industry visits were organized to provide participants with practical exposure to real-time manufacturing environments and industry-based problem-solving approaches. The visits enabled participants to correlate theoretical knowledge with industrial practices and emerging digital manufacturing techniques.

### **1. RenewSys India Pvt. Ltd., Patalganga**

The visit to Renewsys India Pvt. Ltd., a leading manufacturer in the renewable energy sector, provided participants with insights into advanced manufacturing processes used in solar module production. Participants observed automated production lines, quality control mechanisms, and digital monitoring systems implemented across the plant. Emphasis was laid on process optimization, preventive maintenance, and the role of digital technologies in enhancing productivity and reliability. The interaction with industry professionals helped participants understand current challenges and future opportunities in the renewable energy manufacturing sector.

### **2. Crystal Syndicate Pvt. Ltd., Patalganga**

Crystal Syndicate Pvt. Ltd., engaged in process equipment manufacturing and EPC engineering services, offered participants exposure to heavy fabrication, design integration, and project execution practices. The visit highlighted the application of digital tools in design, process planning, and quality assurance. Participants gained insights into industrial project management, safety practices, and the importance of precision engineering. The session also emphasized the role of digital techniques in improving efficiency and coordination in large-scale engineering projects.

### **3. Jay Precision Products India, Patalganga**

The visit to Jay Precision Products India, a toys manufacturing unit, showcased modern manufacturing practices focused on precision, safety, and quality. Participants observed automated and semi-automated processes, quality inspection systems, and compliance with

ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

international manufacturing standards. The visit highlighted the importance of lean manufacturing, process optimization, and digital monitoring systems in mass production environments.

#### **4. JSW Steel Limited, Pen**

The industrial visit to JSW Steel Limited provided participants with exposure to large-scale integrated steel manufacturing operations. Participants observed various stages of steel production and learned about process automation, energy management, and sustainability initiatives adopted by the organization. The visit emphasized the role of advanced digital technologies, data analytics, and automation in managing complex manufacturing systems and maintaining operational excellence.

Overall, the industry visits enriched the FDP by offering valuable practical insights, strengthening industry–academia interaction, and enhancing participants’ understanding of real-world manufacturing challenges and digital transformation practices across diverse industrial sectors.

#### **9. Valedictory & Feedback**

The valedictory session marked the successful conclusion of the AICTE–ATAL sponsored Two Weeks Advanced Faculty Development Program on “*Recent Trends and Digital Techniques in Manufacturing Systems – Emerging Field: Manufacturing & Industry 4.0.*” The session provided an opportunity to reflect on the learning outcomes and overall impact of the FDP. Participants presented summaries of their learning and shared outcomes derived from the technical sessions, hands-on training, and industry visits. The organizing committee highlighted the active participation and enthusiastic involvement of the attendees throughout the program.

During the session, participants expressed their appreciation for the well-structured content, expert resource persons, and the balanced combination of theoretical and practical exposure. The industry visits were particularly appreciated for providing real-time insights into modern manufacturing practices and digital transformation initiatives. Feedback received from participants indicated that the FDP significantly enhanced their understanding of Industry 4.0

ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”  
concepts and strengthened their confidence in integrating digital technologies into teaching and research activities.

The coordinators thanked all resource persons, participants, and supporting staff for their valuable contributions to the success of the program. The session concluded with a positive note, emphasizing continuous learning, collaboration, and the importance of such FDPs in upgrading faculty competencies and promoting industry-oriented academic practices.

## **10. Conclusion**

The AICTE–ATAL sponsored Two Weeks Advanced Faculty Development Program on “Recent Trends and Digital Techniques in Manufacturing Systems – Emerging Field: Manufacturing & Industry 4.0” was successfully conducted by the Department of Mechanical Engineering, Pillai HOC College of Engineering and Technology, Rasayani. The program effectively met its objectives of enhancing faculty knowledge and awareness of emerging digital technologies relevant to modern manufacturing systems. Through expert lectures, hands-on training sessions, laboratory exposure, and industry visits, participants gained comprehensive insights into Industry 4.0 concepts and their practical applications.

The FDP facilitated meaningful interaction between academia and industry, enabling participants to understand current industrial challenges and technological expectations. The diverse range of topics covered during the program helped bridge the gap between traditional manufacturing education and contemporary industrial practices. Overall, the program contributed significantly to professional development, curriculum enrichment, and research orientation of the participants. The successful completion of the FDP reaffirmed the institute’s commitment to continuous learning, academic excellence, and industry-relevant education.

ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”

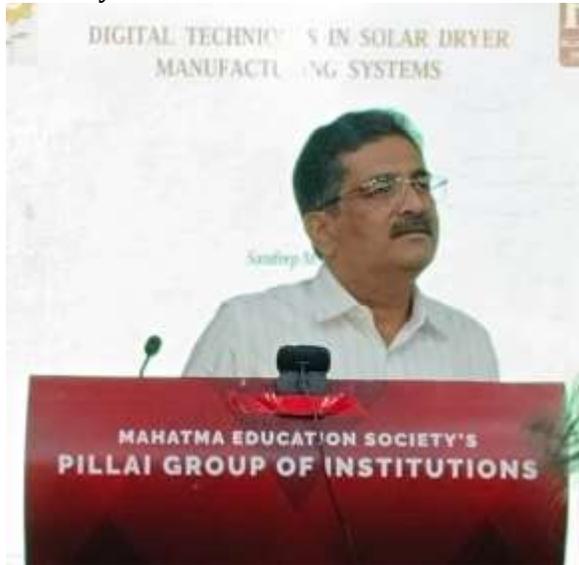
**11. Photographs of Event**



ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”



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“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”



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“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”



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“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”



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“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing & Industry 4.0”



ATAL 2 Weeks Advanced Faculty Development Program On  
“Recent Trends and digital techniques in Manufacturing Systems, Emerging Field: Manufacturing &  
Industry 4.0”