



# The Institution of Engineers (India)

## NEWS LETTER OF NASHIK LOCAL CENTRE

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Website: [www.iei-nashik.org](http://www.iei-nashik.org) , [www.ieindia.org](http://www.ieindia.org)

Er. Samir Kothari  
Chairman

Er. Vedant Rathi  
Hon. Secretary

## NASHIK BUSINESS DIGEST

**"Synergy - 2025," a National Level Project Competition** organized by the IEI Nashik Local Centre in association with SNJB's Late Sau. Kantabai Bhavarlalji Jain College of Engineering, Chandwad, Nashik, MH.

**Institution of Engineers (India)**  
Nashik Local Centre

SUPPORTED BY  
**SNJB**  
LATE SAU. KANTABAI BHAVARLALJI JAIN  
**COLLEGE OF ENGINEERING**  
NEMINAGAR, CHANDWAD, DIST: NASHIK(423101)

**SYNERGY-2025**  
**NATIONAL LEVEL PROJECT COMPETITION**  
(For All Engineering, Polytechnic, BCS, and MCS Students)

REGISTRATION & SUBMISSION BEFORE  
**31<sup>ST</sup> JAN 2025**

GOLD SPONSOR  
**legrand**

FOR COMPETITION & REGISTRATION DETAILS:  
Scan the QR or 9689421504

**i Competition Themes:**

1. 🌱 Sustainability and Green Tech
2. 🧠 Artificial Intelligence (AI) and Machine Learning (ML)
3. 📶 Internet of Things (IoT) and Smart Devices
4. 🏥 Healthcare and Biotechnology
5. 🎓 Education and E-learning ...and many more!

💡 **Eligibility:-** Any branch, any year students from Polytechnic, Engineering, BCS, MSC, etc.

👥 **Project Group Members:-** 2-4 members

**💻 Mode of Competition:**

- Hybrid (Online + Offline)
  - Round 1: Online (3-minute video submission through Google Form)
  - Round 2: Offline

**📅 Registration and Submission Date:**

- Part 1: Do Registration with uploading Synopsis/ Abstract Only
- Part 2: Upload 3 Min Video and Presentation till 31/1/2025

**🏆 Exciting Prizes:**

- 🏆 Winner: ₹15,000
- 🏆 Runner-up: ₹12,000
- 🏆 2nd Runner-up: ₹10,000

**📄 Registration Fees (Per Group):**

- IEI Members: ₹500
- Non-IEI Members: ₹600

🏦 Bank Details in Google Form

🔗 Register Here:: <https://forms.gle/ZWXtz1BC5qZV5EiQ8>

**📋 Rules of Round 1:**

1. Video Recording: Submit your 3-minute video presenting your project idea.
  - \* Ensure your video and submissions are free from any identifying information.
  - \* You may show your face, but avoid wearing ID cards or displaying your college name in the background.
2. Presentation: Submit a PDF file of your presentation.
3. Synopsis/Abstract: Submit a PDF file of your project synopsis/Abstract.

**Disclaimer**

Videos disclosing participant identity will be disqualified without refund.

Upon registration, join the WhatsApp group 📱 through the link for further updates and interactions.

Don't miss this opportunity! Register now and share with your friends.

For queries, contact:

**Dr. Neha P. Bora** (Faculty Coordinator): 9689421504

**Dr. Mahesh R. Sanghavi** Program Director, Synergy - 2025 : National Level Project Competition

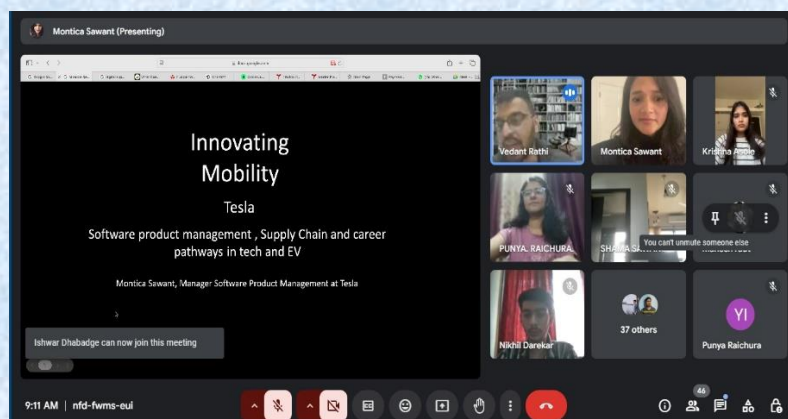


Session : Innovating Mobility and Software Product Management

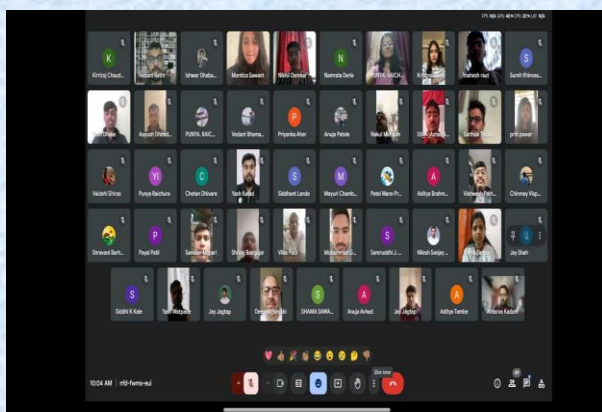
Date: 12.01.2025

Speaker: Ms. Montica Sawant, Tesla Engineer and Manager of Software Product Management

The session on "Innovating Mobility and Software Product Management" organized by the Institution of Engineers India (IEI) Nashik Local Centre was an insightful and engaging event, featuring Ms. Montica Sawant ma'am, an engineer and manager of software product management at Tesla. The session focused on the critical role of software in revolutionizing mobility, especially in the context of electric vehicles and autonomous driving technologies. Montica Ma'am shared her vast expertise on how Tesla integrates software into its vehicles to enhance safety, efficiency, and automation. She highlighted the importance of Artificial Intelligence (AI) and Machine Learning (ML) in driving innovations within the automotive industry, particularly within the realm of electric and self-driving cars. Her discussion also covered the challenges software product managers face in developing complex automotive systems and the strategies they employ to manage product lifecycles at a high-tech company like Tesla.



The event was made interactive with active participation from the audience, who raised thoughtful questions. Ms. Sawant addressed these inquiries with depth, covering topics such as AI integration in mobility, the future of autonomous vehicles, and the evolving role of software in the automotive sector. This interaction enriched the experience for all attendees, allowing them to gain a more comprehensive understanding of the intersection between mobility and software product management.



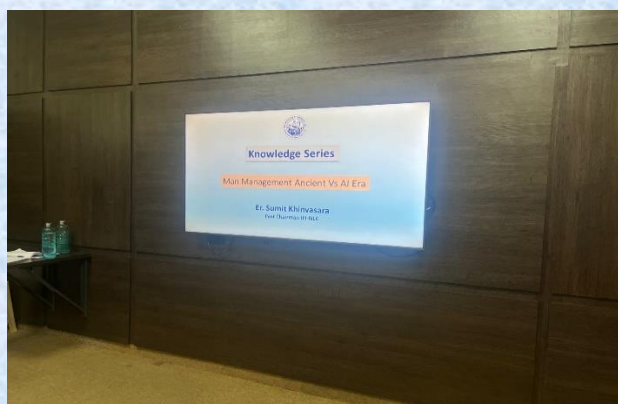
The session was graced by esteemed panelists, including Er. Samir Kothari, the Chairman of IEI-NLC, Er. Vedant Rathi, the Secretary, and Er. Dhiraj Picha and Er. Dipak Patil, both Joint Secretaries, Past Chairman Er. Sumit Khinvasara, Er. Vipul Mehta, Er. Deepak Punjabi, Er. Vilas Patil and other Member. Their presence and contributions ensured the smooth conduct of the session, with Mr. Vedant Rathi sir providing the opening remarks and facilitating the discussions.

Overall, the session was a tremendous success, fostering a deeper understanding of how software is driving innovation in mobility solutions. The interactive format made the experience even more impactful. IEI looks forward to hosting similar events in the future to continue exploring the latest advancements in technology and their applications in various industries.

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The Knowledge Series: Man Management Ancient vs AI Era organized by the Institution of Engineers India (IEI) Nashik Local Centre was an insightful and engaging session, featuring Er. Sumit Khinvasara, Past Chairman, IEI Nashik held on 17<sup>th</sup> Jan, 2025.

The concept of "man management" has evolved significantly over the centuries, from ancient practices focused on hierarchical control and manual labor to contemporary approaches that leverage artificial intelligence (AI) for enhanced efficiency and decision-making. This write-up explores the differences in man management across two distinct eras: the ancient era and the AI-powered modern era.



### **Ancient Era: The Age of Authority and Physical Control**

In ancient civilizations, man management was primarily focused on direct control, discipline, and hierarchical leadership. Emphasis was placed on physical labor, with rulers, kings, and generals often taking direct charge of their subordinates. The management approach was authoritarian, with little to no feedback loop, and efficiency was driven by strict command structures and fear of punishment.

### **Key Characteristics of Man Management in the Ancient Era:**

**Authoritarian Leadership:** Leadership was centralized, and decisions were typically made by kings, emperors, or military leaders without much input from subordinates. Authority was unquestioned, and obedience was expected.

**Physical Labor and Manual Oversight:** Much of the workforce in ancient societies was involved in manual labor, from farming to construction to military service. Supervisors often had to be physically present on the ground to ensure productivity, which meant direct management of workers.

**Fear as a Motivator:** Fear of punishment, whether physical punishment or execution, was a key motivator. Rulers and generals instilled discipline through strict rules, and compliance was enforced through harsh penalties.

**Limited Communication and Feedback:** Communication was slow and inefficient. Information traveled slowly, and feedback mechanisms were limited or nonexistent. Workers and subordinates had little opportunity to offer input or suggest improvements.



**Emphasis on Physical Presence:** Leaders were expected to be physically present at the workplace or battlefield, providing guidance and direction. This often resulted in a more hands-on and micromanaged approach to leadership.



### **AI Era: The Age of Data, Automation, and Efficiency**

With the advent of AI, machine learning, and data analytics, the landscape of man management has transformed radically. Modern management is far more strategic, data-driven, and focused on optimizing both human and machine performance.

#### **Key Characteristics of Man Management in the AI Era:**

**Data-Driven Decision Making:** In contrast to the authoritative, intuition-based decisions of the past, the AI era relies on big data, analytics, and algorithms to inform leadership decisions. Data can reveal performance trends, predict potential issues, and guide future strategies.

**Personalized Leadership:** AI enables more personalized management approaches. By analyzing individual performance and preferences, AI can help leaders tailor approaches to different employees, offering tailored career development programs or work schedules that boost individual and team productivity.

**Automation and Augmented Decision-Making:** While human workers remain integral to modern organizations, AI is capable of automating many aspects of management, including scheduling, resource allocation, and even conflict resolution. AI tools can also assist in identifying areas of improvement for employees and suggest optimal solutions.

**Remote Management:** Unlike the ancient era, where physical presence was essential, modern man management often occurs remotely. AI systems allow managers to oversee operations, monitor performance, and engage with employees regardless of geographic location.

**Employee Empowerment and Collaboration:** AI has the potential to foster more collaborative work environments by removing barriers between team members and enhancing communication. Managers can focus more on empowering employees with decision-making capabilities, leveraging the AI tools to streamline operations.

**Continuous Feedback and Development:** In contrast to the limited feedback of the ancient era, AI-driven systems provide continuous performance monitoring and feedback. Employees receive real-time assessments and guidance, and managers can make adjustments based on up-to-date data. This leads to a more agile workforce and the ability to quickly address challenges.

**Emphasis on Emotional Intelligence:** While AI handles many operational tasks, human leadership still plays a crucial role in managing interpersonal relationships and fostering team morale. The focus in the AI era is shifting towards leaders who excel in emotional intelligence, using AI tools to better understand their team dynamics and improve overall workplace satisfaction.

### **Conclusion: Bridging Two Eras**

The ancient approach to man management was grounded in physical oversight, hierarchical structures, and authoritarian control. It was effective for the time but limited by the tools and understanding available to leaders.



In the AI era, man management has become more efficient, data-driven, and collaborative. Leaders now have access to powerful tools that enable them to make informed decisions, optimize team performance, and provide personalized support for their employees. However, the core of effective man management remains the ability to understand and guide people. AI serves as an amplifier of human decision-making, offering the potential to revolutionize leadership practices across industries.

The key takeaway is that while the tools and strategies may have evolved, the fundamental goal of man management—optimizing human potential and achieving collective success—remains unchanged. What has shifted is the way in which that goal is pursued, blending ancient wisdom with the possibilities of modern technology.



Introductory address by Chairman Samir Kothari. He outlined the history, achievements and the future plans of Nashik Local Centre. Hon. Secretary Er. Vedant Rathi, Hon. Jt. Secretary Er. Dhiraj Picha & Er. Dipak Patil, Past Secretary Er. Vipul Mehta, Er. Deepak Punjabi, Er. Mahesh Sanghavi, Er. Naynish Joshi, Er. Sanjay Mahindrakar, Er. Sunil Baphana, Er. Milind Parakh, Er. Vilas Patil and other members were present for the Session.

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## HAPPY REPUBLIC DAY



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