



**J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**UGC Autonomous**

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Bhaskar Nagar, Yenkapally (V), Moinabad(M), P.O. Himayathnagar, R.R. District, Hyderabad-5000075.

*Report on*  
**MIC-driven Activity "AI for Atmanirbhar Bharat:  
HEI Pre-Summit Engagements"**

*Theme:*  
**Resilience, Innovation & Efficiency**

*Topic:*  
**Smart City Development Enabled by AI Innovations in  
Urban Mobility, Resource Management, and Public Safety**

*Technical event Organized By*  
*Department of Electrical and Electronics Engineering*

**Date: 04th February 2026**

**Venue: Placement Hall, Main Block JB Institute of Engineering & Technology**

**Mode: Offline (J.B. Institute of Engineering & Technology, Hyderabad)**

**Faculty Co-ordinators: Dr. Amit Gupta, Professor, CSE (AI&ML), JBIET**

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# 1. INTRODUCTION

The seminar titled "**AI for Atmanirbhar Bharat: HEI Pre-Summit Engagements towards India AI Impact Summit 2026**" was organized to address one of the most critical challenges facing modern administration: the widening gap between public and private sector efficiency.

As we move towards a "Viksit Bharat" (Developed India), the expectations of citizens have evolved. Today, citizens expect government services to match the speed, convenience, and quality of their private sector experiences—from instant digital banking to same-day delivery. However, according to McKinsey's 2025 analysis, while private sector productivity has nearly doubled since 1995, public sector productivity in many developed nations has declined by approximately 20%.

This seminar focused on "**Citizen-Centric Governance**" as the solution to this challenge. This approach represents a fundamental shift from top-down bureaucratic models to participatory systems where citizens are at the center of decision-making. The session explored how Artificial Intelligence can be the catalyst to close this productivity gap, potentially unlocking trillions of dollars in global value and enabling governments to deliver better healthcare, education, and infrastructure without increasing tax burdens.

By leveraging AI-powered tools and data-driven strategies, the seminar highlighted how India can build a governance model that is not only efficient but also transparent, accountable, and truly responsive to the needs of its 1.4 billion citizens.

## 2. OBJECTIVES

### Objectives:

- To address the widening productivity gap between the public and private sectors.
- To understand the **8 Core Principles** of citizen-centric governance, including transparency, accountability, and responsiveness.
- To explore how AI and automation can bridge the digital divide and improve service delivery.

### Key Takeaways:

- **The Productivity Challenge:** Understanding why public sector productivity has declined since 1995 while the private sector doubled.
- **Case Studies:** Learning from the City of Salem's use of automation and resident feedback.
- **Technological Pillars:** How Digital Service Portals, AI Assistance, and Open Data drive transformation.

**Resource Person:** Dr. Amit Gupta, Professor, CSE (AI&ML), JBIET.

### 3. EVENT REPORT

#### Report on MIC-Driven Activity: "AI for Atmanirbhar Bharat"

##### 1. Event Overview:

The seminar was conducted as part of the *HEI Pre-Summit Engagements* leading up to the **India AI Impact Summit 2026**. The event brought together faculty, students, and researchers to deliberate on the role of Artificial Intelligence in shaping smart city ecosystems. With the theme *Resilience, Innovation, & Efficiency*, the session emphasized how AI can transform **urban mobility, resource management, and public safety**, thereby bridging the gap between citizen expectations and government service delivery.

The seminar began with an inaugural address highlighting the importance of citizen-centric governance in the vision of *Viksit Bharat*. The keynote presentation by Dr. Amit Gupta provided insights into global productivity trends, the challenges faced by public administration, and how AI can act as a catalyst for efficiency and inclusivity.

##### 2. Key Topics Covered:

The seminar explored several critical dimensions of AI-enabled governance:

- **Citizen-Centric Governance Principles**
  - Transparency, accountability, responsiveness, and inclusivity as the foundation of modern governance.
  - The shift from bureaucratic models to participatory systems.
- **AI in Urban Mobility**
  - Intelligent traffic management using predictive analytics.
  - Smart public transport systems leveraging IoT sensors and AI scheduling.
- **AI in Resource Management**
  - Energy optimization through smart grids.
  - Water and waste management using AI-driven monitoring and predictive maintenance.
- **AI in Public Safety**
  - Predictive policing and crime prevention using data analytics.

- Emergency response systems powered by AI-enabled surveillance and real-time alerts.
- **Case Studies and Global Practices**
  - The City of Salem’s automation initiatives and citizen feedback mechanisms.
  - Lessons from international smart city projects integrating AI for governance efficiency.

### **3. Challenges Addressed:**

The seminar also highlighted the pressing challenges that AI must address to ensure effective implementation in governance:

- **Productivity Gap**
  - Public sector productivity has declined by nearly 20% since 1995, while private sector productivity has doubled.
  - AI as a tool to close this gap without increasing tax burdens.
- **Digital Divide**
  - Ensuring equitable access to AI-powered services across rural and urban populations.
  - Bridging disparities in digital literacy and infrastructure.
- **Data Privacy & Security**
  - Balancing open data initiatives with citizen privacy concerns.
  - Establishing robust frameworks for ethical AI deployment.
- **Scalability & Integration**
  - Integrating AI solutions into existing governance structures.
  - Addressing challenges of interoperability across departments and agencies.
- **Trust & Adoption**
  - Building citizen trust in AI-driven governance models.
  - Overcoming resistance to change within traditional bureaucratic systems.

## 4. SPEAKER PROFILE

*Dr. Amit Gupta, Professor, Department of CSE(Artificial Intelligence & Machine Learning) J.B. Institute of Engineering and Technology (JBIET), Telangana, India*

**Profile Overview:** A highly accomplished academician and researcher with over 25 years of experience in teaching, research, and project management in Electronics, Communication, and AI/ML domains. Currently serving as Professor (AI & ML) at JBIET, Dr. Gupta is an Honorary Adjunct Professor and Senior Fellow at the Scientific Innovation Research Group (SIRG), Egypt.

**Expertise:** His expertise spans Generative AI, IoT applications, Sensor Technology, Machine Learning, and Deep Learning for societal impact.

### **Research and Publications:**

- Authored **118+ research papers**, including 5 SCI, 51 Scopus-indexed, and 26 international conference publications.
- **Patents:** 1 Australian Patent (AI-based Customer Retention System), 2 Indian Patents (Human Cognitive Process Modeling and Microstrip Antenna Design).
- **Book Author:** "Thick Film Gas Sensor Fabrication Method Using ANN" (LAP Publishing).

**Projects:** Led multiple research project proposals submitted to government funding agencies, focusing on Deep Learning-based agricultural disease detection and IoT-based automation, aligning with the *Atmanirbhar Bharat* mission.

## 5. PARTICIPANTS

J.B. Institute of Engineering and Technology			
UGC Autonomous			
Department of Electrical and Electronics Engineering			
AI Based Activity on the topic:			
"Smart City Development Enabled by AI Innovations in Urban Mobility, Resource Management, and Public Safety"			
Date:04-02-2026			
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18	24675A021A	Y. Devender	Y. Devender
19	24675A0203	B. Akshitha	B. Akshitha
20	24675A0213	Ata Ur Rahman	Ata Ur Rahman
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22	24675A0225	T. Kaushik Chowdary	T. Kaushik Chowdary
23	24675A0212	Syed Abdul Rahman	Syed Abdul Rahman
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26	25675A0204	S. Shira Chaitanya	S. Shira Chaitanya
27	25675A0203	V. Sindhel	V. Sindhel
28	25675A0201	K. Sathvik	K. Sathvik
29	25675A0202	K. Nikhil	K. Nikhil
30	25675A0206	P. Pravalika	P. Pravalika
31	25675A0205	A. Harshitha	A. Harshitha
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33	24671A0204	Abdul Mathin	Abdul Mathin
34	24671A0206	G. Hari Krishna	G. Hari Krishna
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37	25675A0215	K. Viray	K. Viray
38	25675A0213	G. Siddhartha	G. Siddhartha
39	24671A0208	H. Neha	H. Neha
40	24671A0214	M. Nishitha	M. Nishitha
41	24671A0209	K. Srijana	K. Srijana
42	24671A0218	V. Abhinav	V. Abhinav

## 6. OUTCOMES & KEY HIGHLIGHTS

### Outcomes:

- **Enhanced Awareness:** Participants gained a deeper understanding of how Artificial Intelligence can transform governance models, particularly in smart city development.
- **Knowledge Transfer:** The seminar successfully bridged academic learning with real-world applications, exposing students to case studies and global practices.
- **Interdisciplinary Collaboration:** Faculty and students from multiple departments engaged in discussions, fostering cross-domain innovation.
- **Project Ideation:** Several student groups proposed AI-based project ideas focusing on traffic optimization, smart resource allocation, and predictive safety systems.
- **Capacity Building:** The event strengthened institutional participation in MIC-driven national initiatives, aligning with the vision of *Atmanirbhar Bharat*.

### Key Highlights:

- **Citizen-Centric Governance Principles:** The seminar emphasized the 8 core principles—transparency, accountability, responsiveness, inclusivity, efficiency, participation, sustainability, and resilience—as the foundation for AI-enabled governance.
- **Global Productivity Insights:** Analysis of public vs. private sector productivity trends underscored the urgency of adopting AI in governance.
- **Case Study Learning:** The City of Salem’s automation initiatives and feedback-driven governance were presented as a benchmark for citizen engagement.
- **Technological Pillars:** Demonstrations highlighted the role of digital service portals, AI-powered assistance, and open data frameworks in driving transformation.
- **Interactive Discussions:** Students actively participated in Q&A sessions, sharing innovative ideas on bridging the digital divide and ensuring equitable access to AI services.
- **Expert Insights:** Dr. Amit Gupta’s keynote provided actionable strategies for integrating AI into public safety, resource management, and urban mobility.
- **Institutional Impact:** The seminar reinforced JBIET’s commitment to fostering innovation, resilience, and efficiency in alignment with national development goals.

## 7. FEEDBACK

### Student Feedback:

**A.Harikrishna Chary (23671A0201):** *“The seminar gave us a clear understanding of how AI can transform governance and public service delivery. It was inspiring to see practical applications beyond theory.”*

**S.Rose Mary (23671A0209):** *“I appreciated the focus on citizen-centric governance. The examples shared made it easy to connect AI concepts with real-world challenges.”*

**T.Koushik Chowdary (24675A0225):** *“Dr. Amit Gupta’s insights on productivity gaps between public and private sectors were eye-opening. It motivated us to think about innovative solutions for India.”*

**H.Manikanth (24675A0210):** *“The case study on Salem city showed how automation and citizen feedback can drive efficiency. It was a great learning experience.”*

**Peerti Kumari (24675A0202):** *“The session helped us understand the importance of transparency and accountability in AI-enabled governance models.”*

**Ch.Swathi (24675A0220):** *“I found the discussion on AI in urban mobility very relevant. Traffic management using predictive analytics is something we can directly relate to in our daily lives.”*

**M.Nishitha (24671A0214):** *“The seminar encouraged us to think about projects that can bridge the digital divide. It gave us direction for future research.”*

**V.Sindhu (25675A0203):** *“The interactive Q&A session was very engaging. It allowed us to share ideas and learn from faculty and peers.”*

**Abdul Mathin (24671A0204):** *“Learning about AI applications in public safety, like predictive policing and emergency response, was fascinating and showed the societal impact of technology.”*

**H.Neha (24671A0208):** *“Overall, the seminar was well-organized and informative. It strengthened our confidence in pursuing AI-based innovations for Atmanirbhar Bharat.”*

## 8. CONCLUSION

The MIC-driven activity on "*AI for Atmanirbhar Bharat: HEI Pre-Summit Engagements towards India AI Impact Summit 2026*" concluded with significant insights into the transformative potential of Artificial Intelligence in governance and smart city development. The seminar successfully emphasized the theme of **Resilience, Innovation, and Efficiency**, showcasing how AI can bridge the widening productivity gap between the public and private sectors.

By focusing on **citizen-centric governance**, the event highlighted the importance of transparency, accountability, and responsiveness in delivering public services. Discussions on AI applications in **urban mobility, resource management, and public safety** provided participants with a clear vision of how technology can enhance everyday life for citizens while supporting the national mission of *Viksit Bharat*.

The active participation of students, faculty, and experts ensured that the seminar was not only informative but also interactive, sparking innovative project ideas and collaborative research directions. The outcomes reaffirmed JBIET's commitment to fostering technological innovation aligned with the vision of *Atmanirbhar Bharat*.

In conclusion, the seminar served as a vital step in preparing future engineers and researchers to contribute meaningfully to India's AI-driven transformation, ensuring that governance becomes more efficient, inclusive, and citizen-focused.

## 9. EVENT PHOTO GALLERY

