A Report on Industrial Visit to "Software Technology Parks of India (STPI) CoE EA, Jayanagar" Organized by Department of Computer Science & Engineering – Data Science on 13.11.2026



• **Photo 1:** Departure from MITS campus to STPI CoE EA, Jayanagar.

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Mode of Conduct: Offline
Location: Software Technology Parks of India (STPI) CoE EA, Jayanagar, Bengaluru
Event: Industrial Visit for Exposure to IT Infrastructure, Incubation, and Cloud/Data Services
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1. Introduction

As part of professional and academic development, an industrial visit was undertaken to Software Technology Parks of India (STPI) CoE EA, Jayanagar, Bengaluru, on 13 November 2026. The visit was organized for III-Year CSE – Data Science students from Madanapalle Institute of Technology & Science (MITS). The journey commenced early from the MITS campus in college vehicles at 6:00 AM, reaching the STPI premises at 11:00 AM. The programme was designed to bridge academic concepts with real-world industry practice. During the visit, STPI officials provided an extensive tour of their state-of-the-art laboratory facilities and delivered insightful sessions explaining their full spectrum of technological and infrastructural services.

2. Objectives of the Industrial Visit

The major objectives of the visit were:

- To provide students with practical exposure to the IT industry, software technologies, and data science applications in a professional work environment.
- To understand the role of STPI as a premier organization under the Ministry of Electronics and Information Technology (MeitY) in fostering innovation, R&D, and tech start-ups.
- To gain first-hand exposure to specialized laboratory infrastructure and incubation ecosystems.
- To explore key industrial services such as statutory compliance, data center operations, cloud computing, and cybersecurity.
- To interact with industry professionals and incubation managers to understand current market expectations and entrepreneurial support systems.
- To complement classroom learning in Data Science and Computer Science with industry-aligned technological workflows.

3. Major Discussions and Facilities Covered

The visit covered several key operational areas, service offerings, and laboratory setups at STPI:

- Overview of STPI & Startup Ecosystem: Officials presented STPI's vision of driving software exports, promoting product/IP creation, and establishing Centres of Entrepreneurship (CoEs) across emerging technology domains like AI, Data Analytics, IoT, and Cloud Computing.

- Laboratory Tour & Hands-on Demonstrations: Students were shown various specialized lab setups designed for research, prototyping, and testing, giving them direct insight into industrial hardware and software configurations.
- Statutory & Datacom Services: Explanation of STPI's statutory schemes supporting software exporters, alongside high-speed Data Communication (Internet/Datacom) infrastructure provided to IT/ITeS industries.
- Incubation & Project Management Consultancy (PMC) Services: Overview of STPI's incubation facilities that nurture early-stage startups through infrastructure, mentorship, seed funding initiatives, and end-to-end PMC support.
- Data Center & Cloud Services: Technical insights into enterprise-grade Data Center operations and STPI Cloud Services, highlighting data storage, server management, and scalable cloud solutions.
- Security Audit (VAPT) & CRO Surveillance: Detailed discussion on cybersecurity mechanisms, Vulnerability Assessment and Penetration Testing (VAPT) services to secure digital assets, and Compulsory Registration Order (CRO) surveillance standards.
- STPI SkillUp Initiatives: Introduction to skill enhancement programs aimed at training young engineers in emerging tools, domain-specific competencies, and industry-ready frameworks.



• **Photo 2:** Interactive technical presentation and briefing session by STPI officials.



Photo 3: Students observing live demonstrations in the STPI laboratory setups.

4. Expected Outcomes

The industrial visit provided the following key outcomes:

- Enhanced Industry Awareness: Clear understanding of how government-led technology parks and incubators accelerate the national IT and startup ecosystem.
- Practical Knowledge of Core Infrastructure: Exposure to real-world cloud architectures, enterprise data centers, security audit protocols (VAPT), and datacom infrastructure.
- Academic Integration: Ability to connect Data Science and Computer Science concepts to actual industry workflows and software service models.
- Career and Entrepreneurship Insights: Awareness of startup incubation opportunities, seed funding schemes (like NGIS), and industry skill-development platforms (STPI SkillUp).
- Networking Opportunities: Direct interaction with key personnel, including Incubation Managers and technical experts at STPI.



Photo 4: Facilities in STPI Incubation Team.

5. Conclusion

The industrial visit to STPI CoE EA, Jayanagar, was highly successful and enriching for the students and faculty of the CSE – Data Science Department. From the early morning departure from MITS to the interactive lab tours and detailed service demonstrations, the visit fulfilled all academic and practical objectives. The insights gained regarding data center operations, cloud computing, VAPT security audits, and startup incubation will significantly aid students in their academic projects, research endeavors, and future professional careers.







