School of Engineering and Technology,
Gujarat Technological University

Report on

Expert Talk: The 10X Engineer's Blueprint – Utilizing AI Agent for High-Velocity Builds

Date & Venue:

🗓️ **31 January 2026, 11:00 AM – 12:30 PM (IST)**

📍 Aryabhatta Seminar Hall, GTU – School of Engineering and Technology, Gujarat Technological University, Chandkheda, Ahmedabad, Gujarat, India.

Speaker:

• **Mr. Anand Shrivastava** — AI/ML Engineer at Caypro and alumnus of GTU.

Organised by:

• Center of Excellence in Artificial Intelligence (CoE-AI), GTU
• In collaboration with AI Impact Summit
• Supported by the Ministry of Education's Innovation Cell, AICTE, and the Institution's Innovation Council.

1. Introduction

The session was designed to introduce engineering students, researchers, and professionals to **modern AI-augmented development practices** — specifically how *AI agents* can be systematically leveraged to accelerate software and systems engineering beyond traditional performance bounds. The "10X Engineer's Blueprint – Utilizing AI Agent for High-Velocity Builds" frames AI agents not as standalone tools but as force multipliers that enable *high-velocity builds* when integrated into disciplined developer workflows.

Details:

- **No. of Participating Students:** 55
- **Faculty Coordinator:** Dr. Seema Joshi, Dr. Dhwani Modi, Dr. Aanal Raval
- **Branch/Semester:** B.E Computer, M.E AI/DS

2. Core Themes of the Talk

a) Reimagining Engineering Productivity

Rather than focusing solely on individual technical prowess, the blueprint reframes productivity around *AI-assisted workflows*. Here, an AI agent is a system that goes beyond simple autocomplete or assistance — it plans, reasons, and executes multi-step engineering tasks with defined goals and constraints. Such agents can handle tasks like test generation, scaffolding code, and documentation drafting autonomously, freeing engineers to focus on strategic, creative work.

b) Integrating AI Agents into High-Velocity Builds

Mr. Shrivastava emphasized how AI agents should be embedded into *end-to-end development lifecycles* rather than used ad-hoc. Real-world AI engineering practices (corroborated by industry trends) include:

- Automated code generation for routine components (CRUD, configuration).
- AI-driven test and quality frameworks that generate test cases and run validations continuously.
- Spec-driven development where detailed specifications guide agent behaviors, improving outcomes and reducing rework.
- Intelligent pipeline automation with agents coordinating CI/CD tasks and flagging integration issues earlier.

Embedding agents requires a *blueprint* — a structured plan mapping where AI augments human effort versus where human expertise supervises or makes final decisions.

3. Impact and Aspirational Outcomes

The speaker highlighted that when AI agents are thoughtfully integrated into engineering workflows:

- Productivity can *drastically increase* while maintaining or improving quality.
- Teams can compress development cycles (e.g., delivering features in weeks rather than months).
- Engineering organizations can free human talent to focus on creative problem solving and architectural design rather than boilerplate tasks.

4. Conclusion & Forward Outlook

The talk **10X Engineer's Blueprint – Utilizing AI Agent for High-Velocity Builds** showcased a forward-looking vision for engineers in an AI-driven world — one where AI agents are integral to rapid, reliable, and scalable software builds. The session underscored the importance of structured blueprints and discipline in AI adoption, avoiding tool-first thinking, and focusing on workflows and outcomes.

Participants were encouraged to adopt AI responsibly, build with robust workflows, and continuously refine their agent-integrated development practices — laying the groundwork for future innovation and world-class engineering teams.


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Sr. No.	Name of Student	Signature
26	Shivani Munjani	
27	Ramanuj Gupta	
28	Shite Rani Sarkar	Shite
29	Tripty Deb	Tripty
30	Priority Rani Das	
31	Lalwani Pooja P.	
32	Patel Helly D.	Hdpatel.
33	Ifzal Tala	
34	Jadeja Suryadeepsinh P.	
35	Deepondar Jangid	
36	Nimit Rathod	
37	Parmar Keval	Keval
38	Mourvare Abhishek	M. Abhishek
39	Yasir Abdalla Osmen Salih	
40	Prajapati Ansh. S.	
41	Prajapati Prakash N.	
42	Patel Harsh Dipakbhai	
43	Soni Aasav Vipulkumar (BE-EC, sem-2)	Aasav Soni
44	Surai Rakesh Rani (BE-EC, sem-2)	Surai. R Rani
45	Rajput Bhavesh (BE-EC, Sem-2)	
46	Parmar Dipal K.	
47	Harchi Dhaduria.	
48	Patel Manav J	
49	Viradiya Khushi	
50	Visani Bhakti.	
51	Vedanshi Solanki (BE-EC, Sem 2)	
52	Vedanshi Shyara (BE-EC, sem 2)	
53	Patel Harsh Vinodkumar (BE-EC, 2)	

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