

Alumni Interaction Report

Conducted by: Ashish Kulkarni(2020 Embedded Test Engineer) and Krushna Rayate(2021,Embedded Software Developer)

Event: Guidance Session for BE Students on Embedded Systems and Motivation to Participate in Vector India Embedded System Certification Course

Organized by: VPKBIET, Baramati

Date: sept 02,2025 (Hybrid via Google Meet)

Objective:

The primary objective of the session was to provide BE students with detailed guidance on Embedded Systems, enhance their understanding of the field, and motivate them to enroll in the Vector India Embedded System Certification Course. The session also aimed to highlight the various Training and Placement (T&P) opportunities available in the Embedded Systems domain.

Summary of Interaction:

Ashish Kulkarni and Krushna Rayate conducted an informative session at VPKBIET, Baramati, focusing on the significance and scope of Embedded Systems. The session began with an introduction to Embedded Systems, their applications, and current industry trends. The speakers emphasized the growing demand for skilled professionals in this domain and the critical role embedded systems play in industries such as automotive, aerospace, consumer electronics, and IoT.

The students were then introduced to the Vector India Embedded System Certification Course, an industry-recognized program designed to equip learners with hands-on skills and theoretical knowledge necessary to excel in embedded systems development. The benefits of the course, including expert mentorship, practical exposure, and enhanced employability, were highlighted.

Ashish and Krushna motivated the students to actively participate in this certification course to gain a competitive edge in the job market.

Discussion on Training & Placement Opportunities:

The session concluded with a detailed discussion on Training and Placement opportunities in Embedded Systems companies. Key points included:

- **High Industry Demand:** Embedded Systems professionals are in high demand across sectors such as automotive (e.g., Bosch, Continental), telecommunications, consumer electronics (e.g., Samsung, LG), and defense.
- **Job Roles:** Positions such as Embedded Software Engineer, Firmware Developer, System Architect, and IoT Developer are commonly available.
- **Skillsets:** Companies seek candidates proficient in C/C++, RTOS, microcontroller programming, and communication protocols.
- **Campus Recruitment:** Many Embedded Systems companies collaborate with educational institutes for campus placements and internships.

- **Certification Advantage:** Completing specialized certification courses like Vector India's Embedded Systems course significantly improves students' chances during recruitment.
- **Career Growth:** The domain offers strong career growth prospects, with opportunities in R&D, design, and embedded system integration.

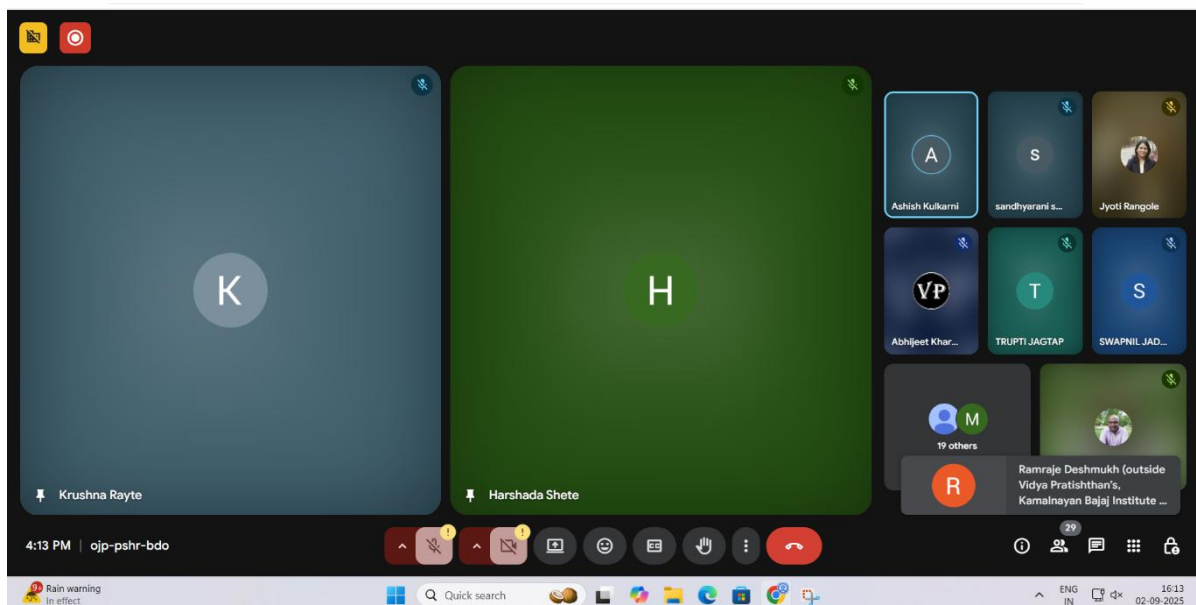
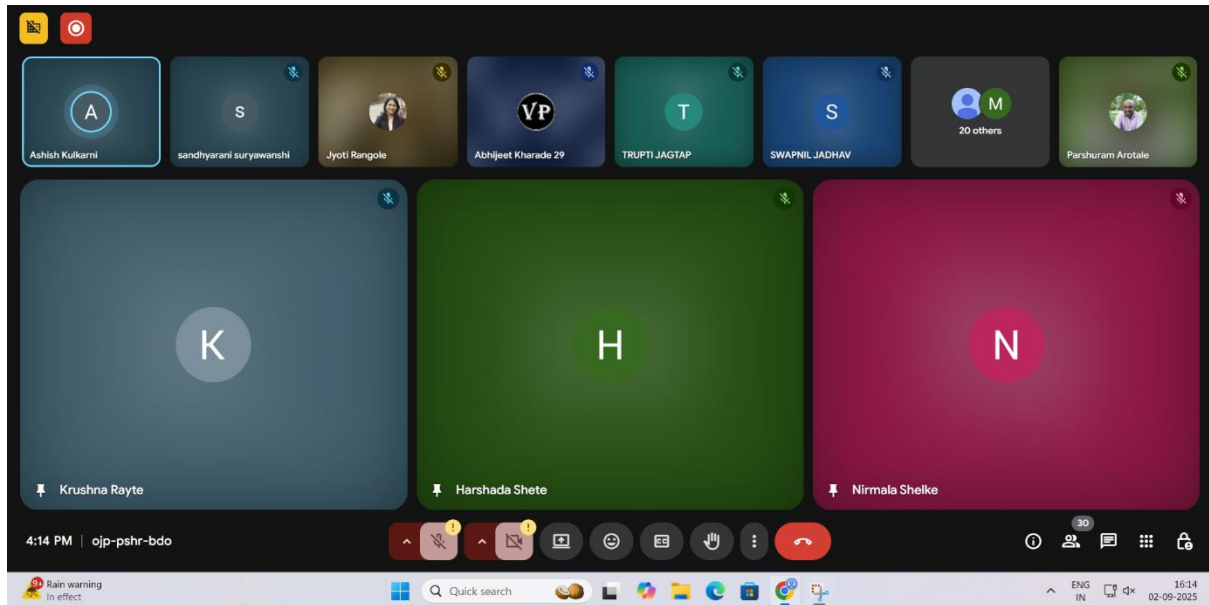


Figure1: Snapshot of Alumni Interaction.

Conclusion:

The interaction was successful in raising awareness among BE students about the importance of Embedded Systems and the value of industry-recognized certification programs. Ashish Kulkarni and Krushna Rayate's session provided clear guidance and motivation, encouraging students to enhance their skills and prepare for promising career opportunities in the Embedded Systems industry.

Report Prepared by:

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