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A.Y. Dadabhai Technical Institute, Kosamba

Managed By: The Suratee Sunni Vohra Muslim Education Society, Surat

Expert Lecture Report

Organised By:

Computer EngineeringDepartment

NBA Accredited Program

Topic: Software Development

Date: 8th October 2025

Expert:

Ms. Babli Mishra,

Assistant Professor, Computer Engineering Department, Vidhyadeep University, Kim

Expert Lecture Report

Key Highlights:

- Introduction to software development lifecycle (SDLC).
- Phases of software development: requirement analysis, design, coding, testing, and deployment.
- Overview of Agile and Waterfall models.
- Role of teamwork and project management in software development.
- Importance of version control tools like Git and GitHub.
- Current trends in software development: AI, Cloud, and Mobile Applications.
- Career opportunities and skills required for software developers.

Objectives of the Expert Lecture

- The main objective of this expert lecture was to provide students with practical insights into real-world software development processes and practices.
- The session aimed to enhance students' understanding of how software is designed, developed, and maintained in industry environments and to encourage them to adopt best coding and project management practices.

Why Learn Software Development?

- Builds logical thinking and problem-solving skills.
- Provides understanding of modern programming languages and tools.
- Opens wide career opportunities in IT, web, mobile, and enterprise development.
- Encourages innovation and teamwork in real-life projects.
- Forms the foundation for entrepreneurship and product creation.

Session Highlights

- Detailed discussion on software development methodologies.
- Explanation of software requirement specifications (SRS).
- Demonstration of project planning and use of tools like Trello and Git.
- Importance of software testing, debugging, and documentation.
- Tips for improving code quality and software maintenance.
- Sharing of real-life industry experiences and challenges faced by developers.

Skill Development Through the Lecture

- Enhanced understanding of project workflow and teamwork.
- Improved technical knowledge in programming and software tools.
- Awareness of agile practices and collaborative development.
- Development of communication, analysis, and documentation skills.

Question–Answer Session

- Students enthusiastically asked questions related to software tools, career paths, and internships in development companies.
- The expert answered each query with practical examples and shared guidance on building a career in software development.

Learning Outcomes

- Students understood the complete lifecycle of software development.
- They learned about coding standards, testing methods, and version control.
- Awareness of current industry tools and methodologies was enhanced.
- Students gained motivation to work on innovative software projects.

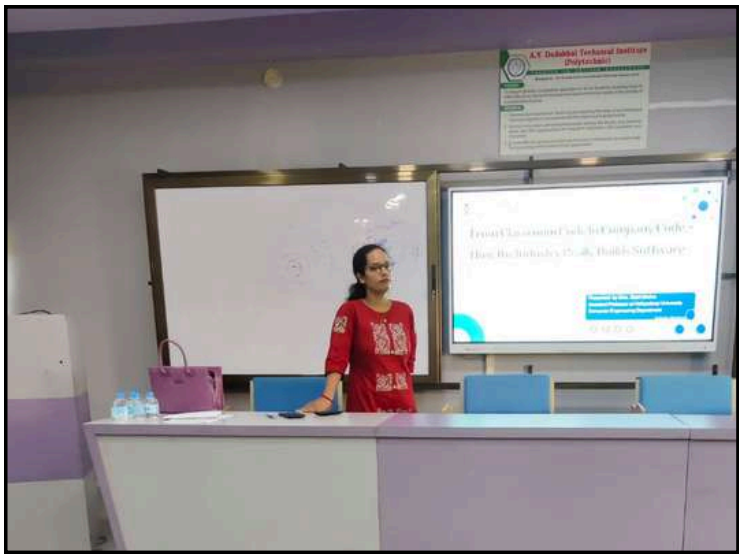
Target Audience:

- 3rd Semester Computer Engineering Students
- Interested faculty members

Conclusion

- The expert concluded the session with a motivational message:
- "Code is not just written — it's crafted. Build software that solves real problems."
- The session inspired students to focus on quality, teamwork, and continuous learning in their software development journey.

Gallery




From Classroom Code to Company Code:-
How the Industry Really Builds Software