

Seminar Topic Summary Report

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Institution Name: Basaveshwar Engineering College, Bagalkot

Department of Computer Applications (MCA)

Course : MCA

Semester : II

Seminar Topic : LOW CODE IN WEB DEVELOPMENT

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1. Introduction:

In the rapidly evolving world of software development, low-code platforms

have emerged as a game-changing approach. They allow developers and even non-developers to create web applications with minimal hand-coding. Low code enables faster development, reduces project backlogs, and empowers teams to focus more on innovation and problem-solving rather than repetitive coding tasks.

2. Seminar Topic Details:

- Title of the Topic: Low code in Web development.
- Area/Domain: Business process management, Internal tools, Customer facing app.
- Keywords: Minimal Coding, App Builder, Visual Programming.

3. Topic Summary :

This seminar explores how low-code development platforms streamline the process of creating web applications. It highlights the components of low-code platforms such as drag-and-drop interfaces, visual workflows, prebuilt templates, and integration capabilities. The session will also compare traditional coding with low-code approaches and demonstrate real-world applications in business, education, and e-commerce domains.

4. Relevance to MCA Curriculum :

- Web Technologies : Enhances the practical understanding of web design and deployment.
- Software Engineering : Encourages modular development, testing, and agile methodologies.
- Understanding of Visual Development : Low-code platforms often utilize visual development environments, drag-and-drop interfaces, and pre-built components.

5. Learning Objectives :

- Understand the concept and architecture of low-code platforms.

- Identify and use popular low-code web development tools.
- Compare traditional and low-code development approaches.
- Create basic web applications using low-code platforms.
- Recognize the role of low-code tools in enterprise and small business environments.

6. Expected Outcome :

- Build basic web applications using low-code platforms.
- Identify suitable tools for different project needs.
- Integrate low-code development into their academic or professional projects.
- Reduce development time and improve productivity in web projects.

7. References :

1. Mendix Documentation - <https://docs.mendix.com>
2. OutSystems - <https://www.outsystems.com>
3. Gartner Report on Low-Code Development (2023)
4. IBM Blog on Low-Code and No-Code Development
5. Microsoft PowerApps Documentation - <https://learn.microsoft.com/en-us/power-apps/>

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