



REPORT: APP DEVELOPMENT JAVA SESSION

Introduction

A workshop on Mobile App Development was conducted by Mr. Atharva Chandane. The session focused on introducing participants to the fundamentals of app development and demonstrating how modern AI tools can simplify the process. The workshop combined theory with hands-on practice, giving students exposure to real-world application building.

Objectives

- To understand the concept and scope of mobile app development.
- To explore the role of AI tools in app creation.
- To learn about development environments like CodePen.
- To understand the importance of Firebase in backend management.
- To build and deploy a Stock Analysis App as a practical example.

Workshop Flow

1. Introduction to App Development

- The session began with an explanation of what mobile app development is and how applications are created, tested, and deployed.
- The resource person highlighted the increasing role of AI tools in speeding up coding, debugging, and design.

2. AI Tools for App Development

- Participants were shown how ChatGPT can be used to generate code snippets, prompts, and ideas.
- The concept of AI-assisted development was emphasized as a way to reduce effort and improve efficiency.

3. CodePen

- The trainer introduced CodePen, an online platform for writing and testing front-end code.
- Students learned how HTML, CSS, and JavaScript files (index.html, style.css, script.js) can be created and integrated.
- This helped participants visualize how app interfaces are designed.

4. Firebase

- An introduction to Firebase, a popular backend platform by Google, was provided.
- Participants learned how Firebase can be used for database management, authentication, and hosting apps.

5. Hands-On Project: Stock Analysis App

- As a practical exercise, a Stock Analysis App was developed during the session.
- The project combined front-end design (using CodePen), AI-generated code (via ChatGPT), and Firebase for backend support.
- Students got to see how multiple tools integrate to create a fully functional application.

6. Deployment and Sharing

- The files were organized into a project folder and hosted using TiinyHost.
- The APK file was generated, compressed, and shared via Google Drive for easy installation.
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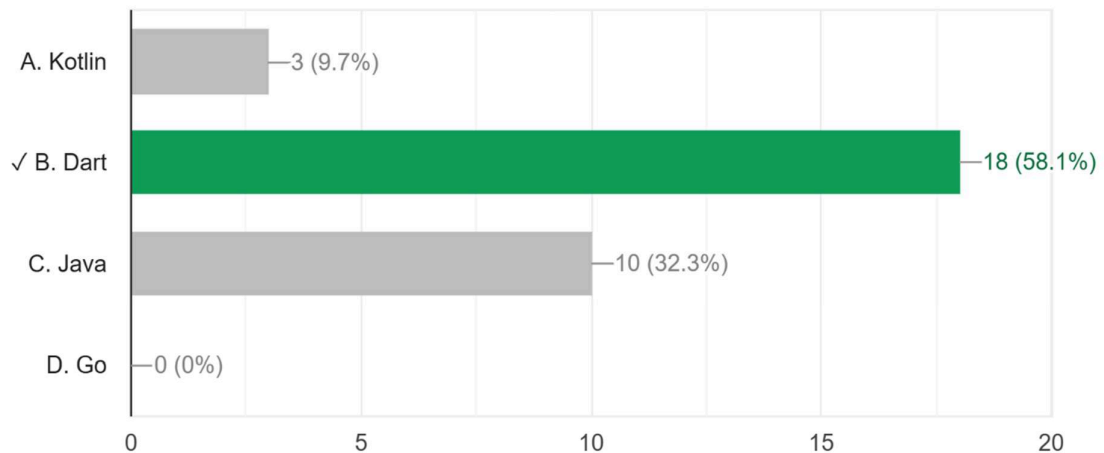
Key Learnings

- Clear understanding of what app development is.
- How AI tools like ChatGPT can simplify coding.
- Practical exposure to CodePen for front-end development.
- Knowledge of Firebase as a backend service.
- Hands-on experience of building a Stock Analysis App and deploying it.

Feedback Analysis

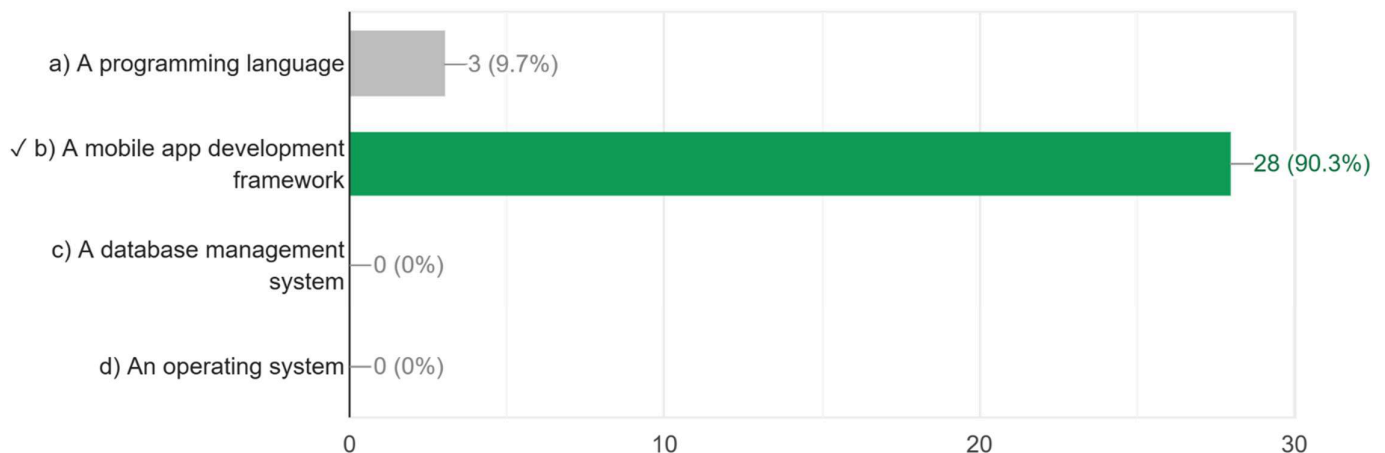
Which programming language is used to build Flutter applications?

18 / 31 correct responses



What is Flutter?

28 / 31 correct responses

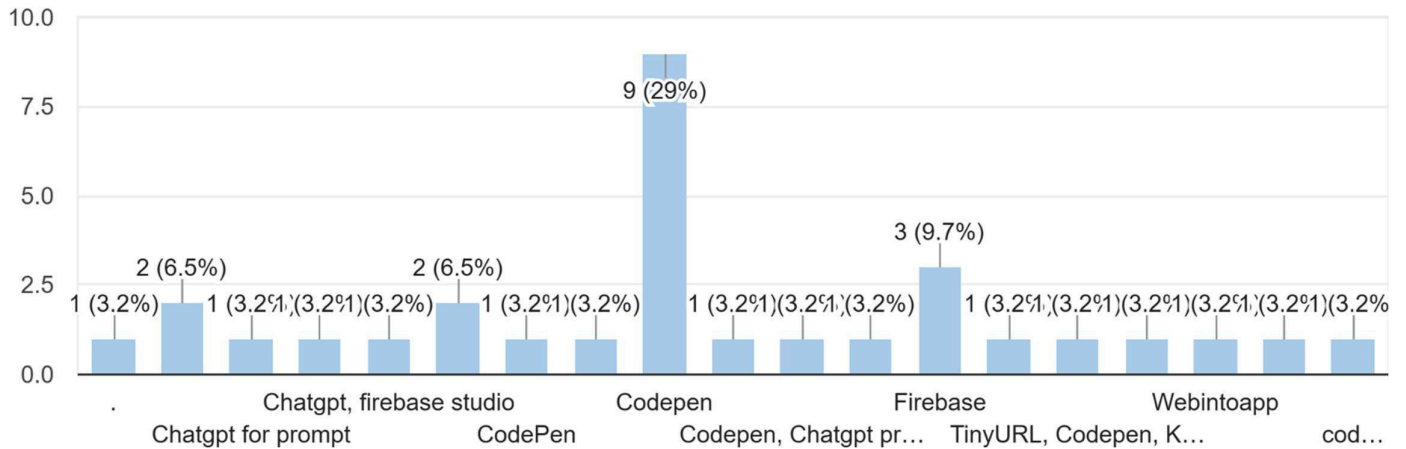




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Which AI tool you find useful?

31 responses



Conclusion

The workshop proved to be an insightful and engaging session for all participants. It not only explained the theoretical concepts of app development but also demonstrated how AI and cloud tools can be effectively combined to create powerful applications. The live creation of a Stock Analysis App was especially valuable, as it gave participants confidence to work on real-world projects.

PO – PSO Mapping:

[illegible]



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A workshop on
App Development
Using AI tools

For B.E. EXTC

*In collaboration with
XIE-IIC and XIE Alumni Association*



Speaker: Mr. Atharva Chandane
Alumni, EXTC Branch

Date: 19 September 2025

Time: 11:00am to 1:00pm

Venue: Communication Lab

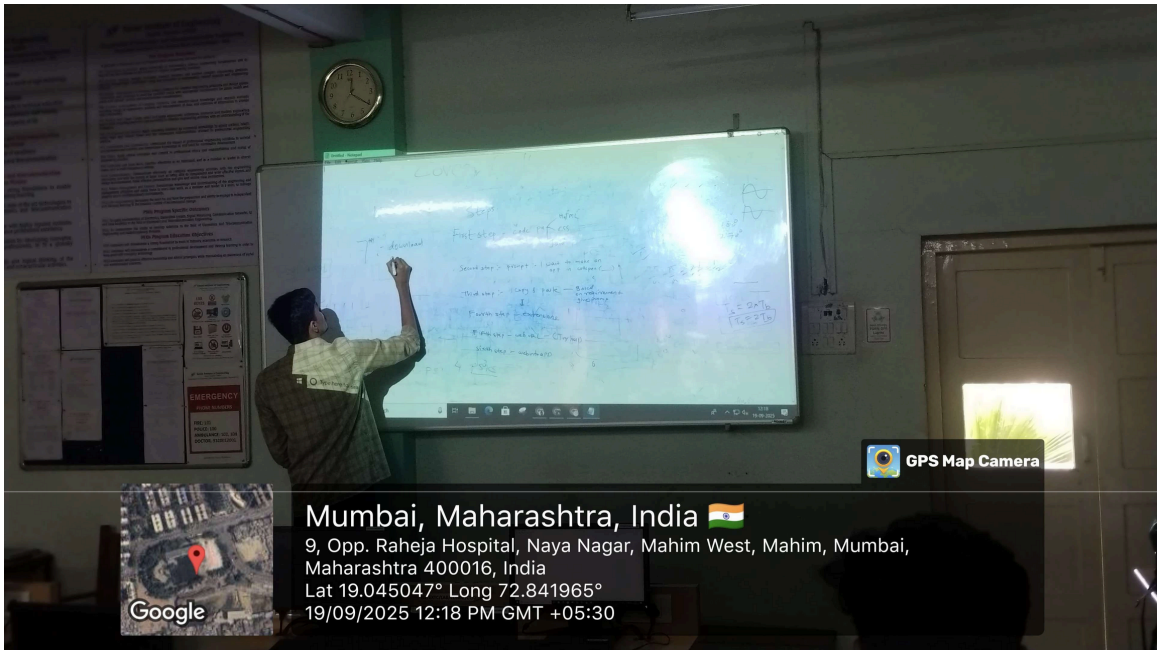


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