

SIES Graduate School of Technology Sri Chandrasekarendra Saraswati Vidyapuram Sector v, Nerul, Navimumbai-400706

Department of Artificial Intelligence of Dato Science

Student Development Program on Flutter (Mobile Application Development) (24th June to 29th June, 2024)

Event Report

Event Information

Event Type: Value added Program

Event Topic: Flutter (Mobile Application Development)

Name of the Resource Person: Dr. Rizwana Shaikh, Prof. Rohini Gaikwad, Prof. Kajal Salekar and Mr. Danish Shaikh.

Event date: 24th June to 29th June, 2024.

Organized for: SE, TE and BE students of all branches.

Organized by: Artificial Intelligence and Data Science Department

No of Students attended:

Attachments:1. Event Description

- 2. Photographs
- 3. Attendance
- 4. Impact Analysis

Event Description

Department of Artificial Intelligence and Data Science of SIES Graduate School of Technology, Nerul, Navi Department Successfully organized and conducted one week student development program on "Flutter Application **Development**)" of (Mobile AIDS/CE/ECS//IT/EXTC/PPT /Mechanical branch from 24th June to 29th June, 2024. students

Developing for mobile platforms can be frustrating, and Flutter is Google's solution to make mobile Development better. This course will teach you the basics of Flutter, including building a UI, using animations, and creating a database app.

Flutter training course is designed to learn how to use Flutter to develop high-quality, interactive mobile Flutter training both for iOS and Android devices. In this training course, you will learn how to how to code applications and build beautiful, fast, native-quality iOS and Android apps. Even if you have ZERO programming experience.

Whether you are a newbie in mobile app development, or experienced with other mobile app frameworks, When u_{j} when u_{j} is the high-velocity development and quality apps that Flutter enables. The course is intended for Front End Web Developer, Full Stack Web Developer, Java Developer, or anyone who want to learn Flutter app development fundamentals.

The following are some of Flutter characteristics:

Flutter code compiles to ARM or Intel machine code as well as JavaScript, for fast performance on any Fast:

device.

state.

Multi-platform:

Deploy to multiple devices from a single codebase: Mobile, web, desktop and embedded devices.

Build and iterate quickly with Hot Reload. Update code and see changes almost instantly, without losing annin Productive:

^{Control} every pixel to create customized, adaptive designs that look and feel great on any screen. Flexible:

^{Flutter} is powered by Dart, a language for fast apps on any platform. Dart:

Course Objectives:

- Syntax.
- Dart Functions (OOP).
- And Navigation implementing.
- Motion-Rich Widgets.

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Flutter And Dart Programming Language Introduction In Dart Programming Object-Oriented Programming With The Basics of Flutter Basics of Flutter Widgets Routing Material Design Guidelines With Visual, Behavioral, And Introduction To Firebase. Understand the concept and importance of Kotlin.

Course Outcomes:

After This Course the students should be able to:

- Design and implement User interfaces and Layouts of mobile App.
- Design and Implement Database for mobile application
- Develop Mobile App using Android, Flutter and Kotlin
- Analyze the importance of various technologies in industry for mobile application development.

Major topics covered during the workshop are:

- Introduction to Android
- Introduction of Flutter
- CREATING BEAUTIFUL UI WITH FLUTTER
- Kotlin and Android
- Kotlin and Android
- Creating Production Ready App
- Creating Production Ready App to testing and deploying



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<u>Feedback</u>





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