

Government Polytechnic For Girls, Surat

Department of Information Technology

Android Workshop Report

Title:

Android Workshop: Google Map API and Firebase Connectivity

Date and Time:

19th October 2024, 1:00 PM to 4:00 PM

Venue:

A-110 Project Lab, IT Department

Audience:

5th Semester IT department Students (43 no of Students)

Objective:

The workshop aimed to provide hands-on exercises on Google Map API and Firebase connectivity. These topics are crucial for students as they prepare for their upcoming semester projects, enabling them to develop advanced Android applications.

Topics Covered:

1. Firebase Realtime Database Connectivity:

- - Introduction to Firebase as a backend solution.
- - Step-by-step guidance on integrating Firebase Realtime Database with Android applications.
- - Practical implementation and troubleshooting tips.

2. Google Map API Integration:

- - Overview of Google Map API functionalities.
- - Setting up API keys and integrating maps into Android applications.
- - Real-world use cases and practical exercises.

Speakers:

- - Mr. Roshan R. Rohit (Lecturers, IT Department, GGP Surat)
- - Mr. Pragnesh Patel (Lecturers, IT Department, GGP Surat)

Workshop Highlights:

- Detailed demonstrations of integrating Google Map API and Firebase in Android Studio.
- Hands-on sessions where students practiced the integration in real-time.
- Interactive Q&A sessions addressing students' queries and challenges.



ANDROID WORKSHOP

ORGANIZED BY
DEPARTMENT OF INFORMATION TECHNOLOGY



Firebase



Google Maps

ABOUT WORKSHOP:
A one-day Android workshop under SSIP on Google Map APIs & Database connectivity using Firebase.

EXPERT:
MR. ROSHAN R ROHIT
LECTURER (DIT)
MR. PRAGNESH A PATEL
LECTURER (DIT)

19/10/2024
1:00 PM -4:00 PM
A-107 (DIT,GGP SURAT)

FACILITATOR:
MS. JIGNA J DESAI
HOD (DIT)

Glimpse:





Outcome:

The workshop was highly effective in achieving its goals. Students actively participated and showed enthusiasm during the hands-on sessions. By the end, they gained significant knowledge and confidence to implement Google Map API and Firebase connectivity in their projects.

Recommendations for Future Workshops:

- - Additional workshops focusing on advanced Firebase functionalities such as authentication and cloud messaging.
- A follow-up session on deploying Android applications.

This workshop provided an excellent opportunity for students to strengthen their technical skills, bridging the gap between academic learning and practical application.