



SKILL LAB

ON

Mobile Application Development

For 3rd Year Students



KLS GOGTE INSTITUTE OF TECHNOLOGY, BELAGAVI

Department of Computer Science & Engineering

Overview:

A 36-hour hands-on lab on Mobile Application Development Technology will provide students with a comprehensive, practical introduction to the core aspects of Mobile App development. The students will be able to design and build applications that meet user needs, provide value, and align with business goals. Below are the key objectives, categorized from both business and technical perspectives. These applications span across industries, improving communication, commerce, services, and entertainment.



Mode of Conduction of each Module: Offline

Theory:	10 Hours,
Demo:	10 Hours,
Lab Sessions:	16 Hours
Total duration:	36 Hours
Certification exam:	03 Hours

Module 1: Introduction to Android

The Android Platform, Android SDK, Eclipse Installation, Android Installation, Building you First Android application, Understanding Android Application.

Module 2: Android Application Design Essentials

Anatomy of an Android applications, Android terminologies, Application Context, Services, Intents, Receiving and Broadcasting Intents, Android Manifest



Module 3: Android User Interface Design

User Interface Screen elements, Designing User Interfaces with Layouts, Drawing and Working with Animation.

Module 4: Using Common Android API

Using Android Data and Storage APIs, Managing data using Sqlite, Sharing Data between Applications with Content Providers, Using Android Web APIs. Deploying App to the World.

Terms and Conditions

Students who have paid a skill lab fee to the institution are eligible for training. The students must maintain 90% attendance for obtaining the skill lab certificate.

Acceptance

In order to accept and start the training program, students are required to register with the respective department. Details to be provided by the student to the department include:

Name, USN, UID, Mobile No, Email id

Coordinators:

Name: Dr. Kuldeep Sambrekar

Dept. of CSE
Phone: 9900969887
E-mail: kuldeep@git.edu

Name: Dr. Prasad Pujar

Dept. of CSE
Phone: 9739525527
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Outcomes

Foundational Knowledge of Android Technologies.

Hands-On Project Experience.

Deploy applications to the Android marketplace for distribution

Career Aspects: Mobile App Developer, Cross-Platform Developer, Mobile UX/ UI Designer