



# BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru - 560064

## Department of CSE

### Open Course on: Mobile Application Development

Date: 12th - 16th June, 2023  
Shakuntala Devi lab, 4th Floor  
BMSIT&M

#### Course Coordinators:

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Mr. Nithin

## Institute Vision

To emerge as one of the finest technical institutions of higher learning, to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society.

## Institute Mission

Accomplish stimulating learning environment through high quality academic instruction, innovation and industry-institute interface

## Preamble of the Course

This course is designed to equip you with the knowledge and skills needed to develop mobile applications for iOS and Android platforms, using modern programming languages and frameworks. Whether you're a beginner with no prior coding experience or an experienced developer looking to expand your skill set, this course will provide you with a solid foundation in mobile app development.

## Registration!

Registration fees: Rs 400 /-

link to register:

<https://projects.bmsit.ac.in>

## Steps to Register

- Login to the link given above
- Go to Menu-> other Fee
- Select Fee Head as OpenCourse and make the payment (Rs 400/-)

## Key Highlights:

- This course creates the ability of students to develop robust mobile applications and learn how to integrate them with other services and intuitive, reliable mobile apps using the android services and components and their seamless user interface that works with different mobile screens.
- This course provides an introduction to Mobile application development is the process of making software for smartphones, tablets and digital assistants, most commonly for the Android and iOS operating systems.

## Course Description

The course covers many practical aspects of designing, creating, testing and publishing mobile applications. Students will develop mobile applications using a real software development toolkit and have the option of publishing their applications to an app marketplace.

## Course Outcomes

- Install and configure Android application development tools.
- Design and develop user Interfaces for the Android platform.
- Save state information across important operating system events.
- Apply Java programming concepts to Android application development.



Android Studio



# Schedule

Sl No.	Date	Topics covered		Topics covered		Topics covered	Assessment and Feedback
		8:30 to 10:30 am	10:30 to 10:50 am	10:50 to 12:50 pm	12:50 to 1:50 pm	2:00 to 4:00 pm	4:00 pm to 4:30 pm
1	12.06.2023	Overview of the Course and Introduction to Android Studio	TEA BREAK	Overview of Mobile application	LUNCH BREAK	Hands-On session ANDROID STUDIO	Overall Feedback & Assessment
2	13.06.2023	Creating simple Mobile application using Android studio		Visiting card		Changing wallpaper	Overall Feedback & Assessment
3	14.06.2023	Covert text to speech		Sign UP activity username and password creation		Start and Stop button creation	Overall Feedback & Assessment
4	15.06.2023	Project by using all applications		Project by using all applications		Project by using all applications	Overall Feedback & Assessment
5	16.06.2023	Debugging error		Debugging errors		Quiz	Overall Feedback & Assessment

## Pre Requisites

The Pre requisites for this course are:

- Basic programming knowledge (preferably Java).
- Familiarity with the Android studio.
- Basic understanding of operating system