

A grayscale photograph of a person with dark hair wearing large headphones, sitting at a desk and looking at a laptop. Their hands are clasped together near their chin. The background is blurred, showing what appears to be a modern office or studio environment. A white rectangular border is superimposed over the image, containing the title and subtitle text.

# ANDROID APP DEVELOPMENT

Presentation Subtitle

# About ME!!!

Well I am doing my final year CSE at Infant Jesus College of Engineering . My interest includes reading trying what I see and coding . And I also work as a lab intern at my college . I have knowledge on Java, Python, App development, Web development, Networking, DBMS, Virtualization, cloud and can perform basic pen testing



# Course Outline

## **Module 1**

Brief introduction to android  
and android studio

## **Module 2.**

Java and Object oriented  
concepts

## **Module 3.**

Android Studio

## **Module 4.**

Firebase

## **Module 5.**

Handling Files and Media

# Module 1

## **We will cover these skills:**

- What is Android why its relevant to this course
- History of Mobile OS
- Introduction to Android Studio
- Installation Procedure
- Project : Run a simple hello world app



# Module 2

## **We will cover these skills:**

- Java a brief introduction
- Why java
- What is Oops
- Object what is that
- Various Oops principles
- How its useful for android development
- Projects : Guess the number game (Android Studio), loops and mapping and various java program





# Module 3

## **We will cover these skills:**

- What is android studio why we use it
- Gradle and what does it do
- Avd why we use it
- Git and why we use it
- Solutions to run android studio faster
- Android Project structure in detail
- Layout Relative vs absolute



# Module 4

## **We will cover these skills:**

- Database what are they
- Relational vs No SQL
- Firebase
- Integration with android
- Getting and putting data
- Project : Create a login page and a registration page and review the login template in the android studio



# Module 5

## **We will cover these skills:**

- This module will be a complete project module we will develop a app for a real life application and deal with media handling like
- Project : it's a Surprise





A black and white photograph of a person clapping their hands. The person is wearing a plaid shirt. In the foreground, there is a wooden desk with an open notebook and a smartphone resting on it. A laptop is also visible in the background. A dark gray rectangular box with a white border is overlaid on the left side of the image, containing the text 'THANK YOU!'.

THANK YOU!