Syllabus

Course Title	MOBILE APP DEVELOPMENT

I. Objective:

Upon successful completion of this course, the student will be able to create a simple mobile application on an Android smartphone.

II. Description:

This course covers the fundamentals of mobile application development for the Android platform, including:

- Overview of the Android system - Installation and configuration of development tools

- Creating graphical interfaces - Basic widgets - Layouts - Menu

- Developing simple applications

- Communication between components

- Data storage and access using MySQL - File Explorer

- Android architecture overview

III. Teaching Method: Theory and Laboratory

IV. Prerequisites: Programming II - Java

V. Simulation and Internships:

The use of simulation will challenge students to make decisions based on changes in the environment, competition from other groups, and their strategies. The internship will provide an opportunity for students to apply their theoretical knowledge and skills in a real business environment.

VI. Pedagogical Approaches:

This dynamic and participative training uses various techniques and tools, including:

- Lectures by the professor
- Participant research
- Practical exercises and case studies
- Exchange of observations among participants during sessions
- Guest lectures
- Individual research assignments
- Group research projects

VII. Assessment Methods:

- Continuous assessment (midterm and final exams)
- Assignments
- Seminars
- Field visits
- Mandatory and optional internships
- Final research assignment (thesis) at the end of the course.