26/09/2023

MALNAD COLLEGE OF ENGINEERING, HASSAN
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

The ISE department is offering one credit Industry Driven Course on "Mobile Application Development" for VII Semester students in the academic year 2023-24. The details of course syllabus and resource person are enclosed herewith. Kindly permit the conduction of the same.

Krishna Swaroop A

(Mr. Krishna Swaroop A)
Co-ordinator

(Dr. Chandrika J.)
Professor & Head, ISE

Head of the Department
Dept of information Science & Engg.
Malnad College of Engineering
Hassan - 573 201

Copy to:

1. The Principal, for kind information.
2. Dean – AA, for kind information.
3. O/c

Permitted

10/9/2023

Principal
Malnad College of Engineering
Hassan-573 202

Course Title	Industry Driven Course		
Course Code	20ID01	(L-T-P)C	(1-0-0)1
Exam		Hours/Week	1
SEE		Total Hours	15L

Course Objective:

Course outcomes: At the end of course, student will be able to:

#	Course Outcomes	Mapping to PO's	Mapping to PSO's
1.	Develop android applications using views, intents, fragments and graphics.	1,2,3,5	1,2
2.	Design an application using Internal and external database.	3,5	1
3.	*Design an application using image capturing*	3,5	1

Hour 1: Module 1 - Introduction to Mobile App Development (1 hour)
1.1 Overview of Mobile App Development

Hour 2: Module 1 - Introduction to Mobile App Development (1 hour)
1.2 Setting up the Development Environment

Hour 3: Module 2 - Basic App Structure and UI Development (1 hour)
2.1 Creating a New Project

Hour 4: Module 2 - Basic App Structure and UI Development (1 hour)
2.2 User Interface (UI) Design (Part 1)

Hour 5: Module 2 - Basic App Structure and UI Development (1 hour)
2.2 User Interface (UI) Design (Part 2)

Hour 6: Module 2 - Basic App Structure and UI Development (1 hour)
2.3 Handling User Input

Hour 7: Module 3 - Programming Logic and Control Structures (1 hour)
3.1 Basic Programming Concepts (Part 1)

Hour 8: Module 3 - Programming Logic and Control Structures (1 hour)
3.1 Basic Programming Concepts (Part 2)

Hour 9: Module 3 - Programming Logic and Control Structures (1 hour)
3.2 Loops and Iteration

Hour 10: Module 4 - Data Handling and Storage (1 hour)
4.1 Working with Data (Part 1)
Hour 11: Module 4 - Data Handling and Storage (1 hour)
4.1 Working with Data (Part 2)

Hour 12: Module 4 - Data Handling and Storage (1 hour)
4.2 User Preferences and Local Storage

Hour 13: Module 5 - Building Interactive Features (1 hour)
5.1 Introducing Interactivity

Hour 14: Module 5 - Building Interactive Features (1 hour)
5.2 Implementing Navigation (Part 1)

Hour 15: Module 5 - Building Interactive Features (1 hour)
5.2 Implementing Navigation (Part 2)

This course will be conducted in offline mode.
Text Books:
1.   "Android Programming: The Big Nerd Ranch Guide" by Bill Phillips and Chris Stewart
Reference Books:
1. "Android Design Patterns: Interaction Design Solutions for Developers" by Greg Nudelman
MOOC Course: https://onlinecourses.swayam2.ac.in/nou21_ge41/preview

Krishna Swaroop.A