

Course Name: Mobile Application Development	Course Code: ITSE301
Pre-Requisite: 1) ITSE203-Object Oriented Programming AND 2) ITIS103-Web Technologies	Credit Hours: 3
Passing Grade: Depending on the Type of the course belongs to the Audit Degree.	Level: Year 3
No. Of Theory & Practical Hours : 1:4	
Goal: To equip students with technical and practical knowledge of Mobile Application Development.	
Objectives: The course should enable the student to: 1. Understand mobile operating systems. 2. Develop real time mobile applications. 3. Use database in mobile applications. 4. Use different types of views 5. Use service and fragments in applications	
Outcomes The students should be able to:	Method
1. Analyze mobile operating systems	Theory
2. Analyze different phases in mobile application development	Theory
3. Build mobile application.	Practical
4. Work with the various view layout controls including Listview	Practical
5. Use database to store and manage application data	Practical
6. Working with services and Fragments	Practical

Hardware /Software Tools: 1) Android Studio OR 2) QT Creator OR 3) DOTNET 4) Xcode
Text Book: Rogers. R, Lombardo. F, Mednieks. Z, and MeikeO'Reilly. B(2009), Android Application Development, First Edition, O'Reilly, 336 Pages
Reference Book: Burnette. E (2009), Hello Android, Second Edition, The Pragmatic Programmers, LLC, 251 Pages

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