



Course Descriptor
INTE340 Mobile Application Development-II

Proposed Academic Year	2021/ 2022	Last Reviewed Academic Year	2020/2021
Course Code	INTE340	Course Title	Mobile Application Development-II
Credit hours	3	Level of study	Undergraduate-year4
College / Centre	COBA	Department	MIFS
Co-requisites	None	Pre-requisites	INTE210

1. COURSE OUTLINE

The course “Mobile Application Development II” is built on the course “Mobile Application Development I”. The Course focuses on advanced topics such as advanced database integration to Mobile Apps, real time app development and location services, geo positioning, and rich gesture-based UI handling. Mobile App Security and business models also a part of this course.

2. AIMS

The course “Mobile Application Development” focuses on advanced skills and knowledge in the field of Mobil Application. The course aims to build mobile applications for real-world business enabled with the latest features such as location services, geo position, conversation, data storage, and security, etc.

3. LEARNING OUTCOMES, TEACHING, LEARNING, ASSESSMENT METHODS, and Graduate Attributes Mapping

Learning Outcomes (Definitive)	Teaching and Learning methods (Indicative)	Assessment (Indicative)	Graduate Attributes Mapping
Upon successful completion of this course, students will be able to:			
1. Demonstrate a thorough knowledge of mobile phones features, and functionalities.	Lectures and seminars, Case Studies, Group work, presentations, lab work	Class Presentation, Written Examination, Class Presentation, Written Examination, Assignment Project	Knowledge of a discipline.
2. Demonstrate and use an appropriate web-based Services into the application	Lectures and seminars, Case Studies, Group work, presentations, lab work	Class Presentation, Written Examination, Class Presentation, Written Examination, Assignment Project	Knowledge of a discipline.
3. Evaluate the fitness of various platforms, frameworks and	Lectures and seminars, Case Studies, Group work, presentations, lab work	Class Presentation, Written Examination, Class Presentation, Written	Knowledge of a discipline.



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architectures along with their functionality offered		Examination, Assignment Project	
4. Create, test, and publish a complex and secure mobile application	Lectures and seminars, Case Studies, Group work, presentations, lab work	Class Presentation, Written Examination, Class Presentation, Written Examination, Assignment Project	Knowledge of a discipline.

4. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
Final	30 %
Mid	30 %
Assignment/Project	30 %
Participation	10 %
TOTAL	100%

5. ACHIEVING A PASS

Students will achieve 3 credit hours for this course by achieving a minimum overall score of 50%

6. COURSE CONTENT (Indicative)

LECTURE TOPIC	TIME (HOURS)
Review of Mobile Application Development I	02
Introduction to the Mobile Application Development II	01
A deep look into Mobile phones: feature and functionalities	03
Advance Mobile Application platforms and framework	04
Enrich User-interface design for mobile applications	05
Files, Content Providers, and Databases (SQLite)	05
Intent, threat, and services.	05
Databases, and connectivity	05
Working with Multimedia	04
Build a project	05
Addressing enterprise requirements in mobile application	02
Security and Management	03
Published the app to the client.	01
TOTAL HOURS	45
Plus, RECOMMENDED INDEPENDENT STUDY HOURS	
TOTAL COURSE HOURS	45



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7. RECOMMENDED READING

Core text/s:

Griffiths, D. and Griffiths, D., 2017. *Head First Android Development: a brain-friendly guide*. " O'Reilly Media, Inc."

Library + online resources:

Resource Materials under Creative Common Licenses:

1. <http://allenmendelsohn.com/mcgill/>