UNIVERSITY of BRADFORD

Module Details

Module Title	Mobile Application Development
Module Code	COS7025-B
Academic Year	2024/5
Credits	20
School	School of Computer Science, AI and Electronics
FHEQ Level	FHEQ Level 7

Contact Hours

Type	Hours
Lectures	12
Laboratories	24
Directed Study	164

Availability

Occurrence	Location / Period
BDA	University of Bradford / Semester 1

Module Aims

To provide students with an awareness of the legal, social, ethical and professional (LSEP) issues associated with the design, development and distribution of mobile applications.

To deliver necessary and available knowledge of the developing technology for mobile applications and the mobile-based web content display.

To place mobile communication in the context of ongoing development against which pragmatic discussion about future developments in mobile industry can take place.

Outline Syllabus

Mobile technology's historical development; Mobile application development platforms; Mobile application development roadmaps; Usability and design issues for mobile devices; Testing of mobile applications; Various mobile interface elements; Interface for different device sizes; Using external APIs and services within mobile applications.

Learning Outcomes

Outcome Number	Description
O1	Analyse, discuss and explain the nature of mobile App within and the technical, legal and development issues involved.
O2	Demonstrate knowledge of at least two methods of delivering media content and applications to mobile devices.
O3	Develop solutions to complex issues involved in effectively implementing a mobile app in business, education, and gaming industry whilst identifying and minimising security risks.
O4	(a) have further advanced your skills of research, problem-solving and communication. (b) Be a self-directed, independent learner who shows initiative and personal responsibility.

Learning, Teaching and Assessment Strategy

Lectures and lab sessions make up the contact time. The lectures will present the relevant theory underpinning the subject and the labs will enable students to apply the theory to practical situations.

The students are required to produce a fully functional mobile application of their choice along with a technical report that explains their design.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework - Written	Development of a mobile application. Supplementary individual piece of work	100%

Reading List

To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html

Please note:
This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.