

HIGHER NITEC IN TECHNOLOGY – IT APPLICATIONS DEVELOPMENT

Course Code: HT2IA / Plan Code: HT2IA

COURSE OBJECTIVE

This course equips students with the skills and knowledge to support the designing, development, deployment and maintenance of Web and Mobile applications.

COURSE STRUCTURE

Core/Specialisation Modules

S/N	Module Details	Module Code	Module Objectives
MSC: Software and Programming Essentials			
C1	Software Development Practises 30 (T) 30 (P) Credits 3 Prerequisite: Nil	IT43001FP	On completion of the module, students should be able to apply their knowledge and skills in software development methods on recommended solutions.
		Equivalent Code Nil	
C2	Programming Essentials 20 (T) 40 (P) Credits 3 Prerequisite: Nil	IT43002FP	On completion of the module, students should be able to apply fundamental programming concepts and computational thinking for basic programs.
		Equivalent Code IT4038FP	
MSC: Front-end Web Design			
C3	User Experience Development 15 (T) 45 (P) Credits 3 Prerequisite: Nil	IT43003FP	On completion of the module, students should be able to design, develop and maintain; mobile and web interfaces. Students will also be able to create and edit graphics and develop user interfaces.
		Equivalent Code IT4037FP	
C4	Front-end Web Development 15 (T) 45 (P) Credits 3 Prerequisite: Nil	IT43004FP	On completion of the module, students should be able to apply the knowledge, techniques and skills to develop responsive web applications using front-end web development technologies.
		Equivalent Code Nil	
MSC: Website Content Development			
C5	Web Content Management 30 (T) 30 (P) Credits 3 Prerequisite: Nil	IT43006FP	On completion of the module, students should be able to configure and publish websites, with online payment support and social media integration. Students will also learn to perform website testing.
		Equivalent Code IT4040FP	
C6	Server-side Development 12 (T) 48 (P) Credits 3 Prerequisite: Nil	IT43005FP	On completion of the module, students should be able to develop dynamic and interactive media applications.
		Equivalent Code Nil	
MSC: Enterprise Web and Mobile Development			
C7	Enterprise Web Development 10 (T) 50 (P) Credits 3 Prerequisite: Nil	IT53001FP	On completion of the module, students should be able to develop Enterprise Web applications using techniques to manage operations of an organisation.
		Equivalent Code Nil	
C8	Mobile Apps Development 10 (T) 50 (P) Credits 3 Prerequisite: Nil	IT53002FP	On completion of the module, students should be able to design, develop and deploy native mobile applications for various platforms.
		Equivalent Code IT5034FP	

Abbreviations: T - Theory, P - Practical, MSC - Modular Skills Certificate

CREDITS FOR CERTIFICATION

Total of 24 credits from successful completion of 8 Core/Specialisation modules.

Applicants who do not meet the entry requirements for Core/Specialisation modules will need to complete 12 credits from 4 Foundation modules before taking Core/Specialisation modules.

Foundation Modules

S/N	Module Details	Module Code	Module Objectives
F1	Fundamentals of Data 10 (T) 50 (P) Credits 3 Prerequisite: Nil	DE33001FP	On completion of the module, students should be able to import data from external sources, perform basic data manipulation and present simple visualisation of the data.
		Equivalent Code Nil	
F2	Digital Media Technologies 20 (T) 40 (P) Credits 3 Prerequisite: Nil	IT33001FP	On completion of the module, students should be able to apply their knowledge and skills in processing appropriate digital media formats for various platforms delivery.
		Equivalent Code Nil	
F3	Introduction to UI/UX 10 (T) 50 (P) Credits 3 Prerequisite: Nil	IT33002FP	On completion of the module, students should be able to apply User Interface (UI) and User Experience (UX) development process to produce low-fidelity and high-fidelity wireframes and prototypes for websites and mobile apps.
		Equivalent Code Nil	
F4	Web Development Essentials 10 (T) 50 (P) Credits 3 Prerequisite: Nil	IT33003FP	On completion of the module, students should be able to develop web pages using HTML and CSS.
		Equivalent Code Nil	

Abbreviations: T - Theory, P - Practical

VENUE

ITE College Central, ITE College East, ITE College West

Note:

- 1) The training schedule of lessons is subject to change.
- 2) Depending on the demand, not all the modules in the CET *Higher Nitec* in Technology courses will be offered in each intake. Where the modules are offered and there is insufficient enrolment, the classes will be cancelled and a full refund will be given to the affected students.