

## NITEC IN TECHNOLOGY – WEB APPLICATIONS

Course Code: NTWEB / Plan Code: NTWEB

### COURSE OBJECTIVE

This course aims to equip students with the skills and knowledge to develop and implement web applications on different devices and media platforms to ensure effective interactive experience and efficient display of information.

### COURSE STRUCTURE

S/N	Module Details	Module Code	Module Objectives
M1	<b>Web Development Fundamentals</b> 48 hrs (T) 72 hrs (P) Credits: 7 Prerequisite: Nil	IT2040FP	On completion of the module, students should be able to develop web pages using HTML and CSS, and ensure that the web pages comply with W3C standards.
		Equivalent Code IT2031FP	
M2	<b>Content Management System</b> 48 hrs (T) 72 hrs (P) Credits: 7 Prerequisite: Advised to complete IT2040FP	IT2041FP	On completion of the module, students should be able to create, manage, and publish dynamic web content using Content Management System (CMS).
		Equivalent Code IT2032FP	
M3	<b>Programming Essentials</b> 48 hrs (T) 72 hrs (P) Credits: 7 Prerequisite: Advised to complete IT2040FP	IT2042FP	On completion of the module, students should be able to develop programs using programming concepts such as data types, operators, control structures and arrays.
		Equivalent Code IT2033FP	
M4	<b>Rich Interactive Applications</b> 21 hrs (T) 99 hrs (P) Credits: 6 Prerequisite: Nil	IT3039FP	On completion of the module, students should be able to develop interactive applications on different platforms.
		Equivalent Code IT3030FP	
M5	<b>Website Development</b> 21 hrs (T) 99 hrs (P) Credits: 6 Prerequisite: Advised to complete IT20240FP & IT2042FP	IT3040FP	On completion of the module, students should be able to develop web applications using server side scripting with database integration.
		Equivalent Code IT3031FP	
M6	<b>Mobile Web Development</b> 21 hrs (T) 99 hrs (P) Credits: 6 Prerequisite: Advised to complete IT20240FP & IT2042FP	IT3041FP	On completion of the module, students should be able to develop and deploy responsive interactive mobile web applications.
		Equivalent Code IT3032FP	

Abbreviations: T – Theory, P – Practical

### CREDITS FOR CERTIFICATION

Total of 39 credits from successful completion of 6 modules.

### VENUE

ITE College Central

Note:

- 1) The training schedule of lessons is subject to change.
- 2) Depending on demand, not all the modules in the CET *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.