

HIGHER NITEC IN IT APPLICATIONS DEVELOPMENT

Core Modules

User Experience Development

On completion of the module, students should be able to design, develop and maintain mobile and web interfaces that are easy to use. They will also be able to create and edit web graphics and develop user interfaces for web and mobile devices.

Programming Fundamentals

On completion of the module, students should be able to develop applications with programming concepts, such as variables, conditions, loops and expressions. They should also be able to write modular code and apply the concept of application testing and debugging.

Interactive Applications Development

On completion of the module, students should be able to apply the knowledge, techniques and skills to develop dynamic and interactive media applications.

Web Content Management

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 optimise websites and conduct web analysis.

Web Solutions Development

On completion of the module, students should be able to develop and deploy Web applications using server-side programming techniques with database integration and web services.

Mobile Applications Programming

On completion of the module, students should be able to design, develop, debug and deploy native mobile applications using Integrated Development Environment (IDE) on iOS devices.

Mobile Solutions Development

On completion of the module, students should be able to apply the knowledge, techniques and skills to integrate frameworks into native mobile applications.

Industry Attachment

In this module, students are exposed to actual work conditions and environment in specific disciplines in software development. This will allow them to experience actual applications of knowledge and skills acquired during the course.