

NITEC IN WEB APPLICATIONS

MODULE OBJECTIVES

Core Modules

IT Essentials and UI/UX

On completion of the module, students should be able to set up, install and maintain computer hardware and operating system. They will also be able to create interface elements with focus on usability and user experience.

Web Development Fundamentals

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.

Content Management System

On completion of the module, students should be able to create, manage, and publish dynamic web content using Content Management System (CMS).

Programming Essentials

On completion of the module, students should be able to develop programs using programming concepts such as data types, operators, control structures and arrays.

Rich Interactive Applications

On completion of the module, students should be able to develop interactive animated applications on different platforms.

Website Development

On completion of the module, students should be able to develop web applications using server side scripting with database integration.

Mobile Web Development

On completion of the module, students should be able to develop and deploy responsive interactive mobile web applications.

Industry Attachment

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

Electives (Course Specific)

Social Media for Marketing

On completion of the module, students should be able to conduct research for marketing campaign to identify target audience, develop an online marketing plan on social media platform and establish a marketing evaluation.

Digital Publishing

On completion of the module, students should be able to identify the best practices of an outstanding digital publication and the process of publishing digital content for mobile devices. Students should be able to design and create layout, user interface and interactivity for a cutting-edge digital publication.

Electives (Inter-disciplinary)

Apple OS Administration

On completion of the module, students should be able to perform software, maintenance and troubleshooting on Macintosh Operating Systems.

Apple Hardware Repair

On completion of the module, students should be able to troubleshoot and rectify Apple computer hardware.