

ABOUT

Web Applications Development Certificate

Web Applications Development involves everything concerned with the creation of a website. Typically, it refers to the coding and programming side of a website. This varies from a simple HyperText Markup Language (HTML) text page to complex, feature-rich applications designed to be accessed from various internet-connected devices. Examples of feature-rich web development include E-commerce websites, content management systems (CMS), and social networks. Common web development programming languages and software comprises HTML, Cascading Style Sheets (CSS), JavaScript, PHP, Drupal, ASP, and MySQL.

POTENTIAL JOB OPPORTUNITIES ON COMPLETING WEB APPLICATIONS DEVELOPMENT CERTIFICATE

Web Manager

Front End Web Designer and Developer

Back End Web Application Developer

Online Freelancing Platforms

Website Maintenance and Operations

COURSE DELIVERY

Delivery of all courses at the National Skills University involves instructor-led three modes.

- i. On-campus learning
- ii. Practical experience in relevant industry
- iii. Online learning (only if needed in emergent situations like COVID-19 etc.)

We have all the standard operating procedures in place for the safety of students, teachers, and employees.

Providing state of the art skills is our priority. Practical training is provided in our laboratories as well as through relevant industry collaborations.

- This course is taught by professionals having industry experience.
- You will learn how to work in a group with fellow students. Always observe ethical and social behavior during class and practicals.
- This course involves both supervised and self-directed learning built in your timetable. However, most of the time you will have an instructor with you.
- Violation of safety or university rules is strongly prohibited, you have to always manifest ethical behaviour, protect equipment available to you at the university premises.



**Globally E-Commerce Depends on
Safer, Secure and Professionally Developed Websites**

SKILLS YOU WILL LEARN FROM WEB APPLICATIONS DEVELOPMENT CERTIFICATE

- Identify suitable software for website designing and development
- Code for designing a website using HTML, CSS and JavaScript
- Scripting functions of dynamic websites using PHP
- Integrate scripting with object oriented concepts
- Work on latest scripting language frameworks to enhance website capabilities

TASKS YOU CAN PERFORM (COMPETENCIES) ON CERTIFICATE COMPLETION

- Develop a website design as per given specifications
- Make a website with suitable multimedia information keeping in view the bandwidth requirements and access speed
- Use various technologies including Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), JavaScript, PHP, Drupal and MySQL

Kindly see admission rules
Candidate should have passion for
Web Applications Development with
at least intermediate second division
or
equivalent

**SKILLS ORIENTED LEARNING MODULES
FOR
WEB APPLICATIONS DEVELOPMENT CERTIFICATE**

The certificate offered by the National Skills University has ten modules. Each module has been prepared by professionals working in the field. Each module's primary focus is to provide students with the necessary skills and abilities of web applications development.

Module 1: Introduction to website structures & organization	(Two weeks)
Module 2: Installation / Introduction of necessary software's and tools for web development	(One week)
Module 3: Design concepts of User Interface(UI)/ User Experience (UX) (Front end of websites)	(Two weeks)
Module 4: Implementation of HTML 5.0, CSS 3.0 and JavaScript for UI design	(Three weeks)
Module 5: Scripting languages in website development	(Five weeks)
Module 6: Web servers	(One week)
Module 7: Implementation of business logic for back-end functioning of websites	(Six weeks)
Module 8: Designing interactive relational databases	(Two weeks)
Module 9: Industry based scripting languages frameworks	(One week)
Module 10: FINAL PROJECT	(Two weeks)

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Examination Week