

Certificate in Advanced Web Technologies NQF (Level 7)



Programme Objective

This programme is aimed at providing an understanding of emerging approaches in web technologies. It further aims to enable students to implement web applications and prepare them to stay abreast with the ever-changing face of technology in a growing industry.

Who Should Attend?

Applicants who have completed a Diploma programme in Computer Science, Information Systems, Information Technology or Informatics or an equivalent qualification from an accredited institution (NQF Level 6). Applicants with one-year experience in the aforementioned fields will be given priority. Applicants from other science and engineering disciplines or with prior learning experience may be admitted into this programme at the discretion of the Centre. Such applicants may be required to write a test or an interview to guide the selection.

Programme Outcomes

- Demonstrate understanding the principles of web development concepts used in plan, design, and develop Web applications.
- Develop in-depth knowledge of advanced Web technologies and related programming concepts.
- Select appropriate tools and methods to design and build dynamic Web applications.
- Demonstrate knowledge in architecting both front end and backend components of a Web application.
- Apply advanced web development principles and related problem-solving skills in a production environment.
- Can work as Web Developer / Web Designer / IT Support Staff and demonstrate IT systems code of ethics within a workplace.

Programme Design

Each programme consists of four or five courses scheduled over one semester and as well as a project. The programme will be delivered on full-time (day and/or evening) in accordance with NUST rules. The Following courses in this programme are:

- Computer and Programming Concepts
- Web Programming - I (HTML, CSS, AJAX)
- Database Concepts
- Web Programming - II (PHP, JavaScript)
- JavaScript based Web Technologies
- Project Development

Certificate

Upon successful completion of this courses, a qualification credited with a minimum of NQF 60 credits (NQF Level 7), will be awarded to candidates

Assessment

Continuous Assessment with Feedback (diversified) will be used for all courses.

Note: This programme is not eligible for admission to an NQF Level 8 qualification.

Enquiries:

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