

# B.Sc. (Hons) Computing (Web Development)

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The B.Sc. (Hons) Computing (Internet Technology) is a three-year full-time programme. The programme is designed to produce graduates qualified with an in-depth understanding of the fundamental operation of the Internet with current practices and future trends in distributed systems development. It gives you awareness of the implications the Internet has within business, the technical aspects of the Internet, and the usability and interface design of systems.

## Admission Requirements

The qualifications required for admission are 2 Passes at GCE (Advanced Level) Examination and 5 Passes inclusive of 2 Credit Passes for English and Mathematics at GCE (Ordinary Level) Examination, **or** successful completion of the APIIT Foundation Programme. Those with additional qualifications may receive advanced entry to higher levels of the programme. (Please contact Student Admissions Office for details.)

## Programme Structure

A diverse range of teaching strategies including case studies, video presentations and project work is employed to achieve the learning objectives. These are intended to develop students' knowledge and skills and their ability to identify and solve real world problems. Students are also trained to work efficiently in a group or independently in a disciplined and structured environment. Greater emphasis is placed on the engineering principles, design skills, formal methodologies and good management practices required for the development of quality software systems.

Students are required to undertake an Internet technology project as part of the training. This project enables you to carry out research and to design and develop a solution employing appropriate Internet technologies, protocols and tools. This may include Internet, Intranet and Extranet applications as well as solutions that enhance the security and performance of the domain within which the applications exist.

### Level 1 (Diploma)

The Level 1 (Diploma) is a one-year full-time programme. Level 1 comprises the following modules:

- Multimedia Applications
- Computer Systems Architecture
- Systems Analysis & Design
- Software Development Project
- Numerical Methods & Logic
- Operating Systems
- Databases and Data Structures
- Java Programming
- Visual Basic .NET
- Telecommunications
- Problem Solving & Program Design Using C
- Networks and Networking

### Level 2

The Level 2 is a one-year full-time programme. Level 2 comprises the following modules:

- Professional and Enterprise Development
- Database and Web Database Systems
- Web Multimedia
- Mathematics and Algorithmics
- Human Computer Interaction and Usability
- Principles and Practices of Software Production
- Web Applications
- Multimedia Applications

### Level 3 (Degree)

The Level 3 is a nine-month full-time programme. Level 3 comprises the following modules:

- Enterprise Web Applications
- Advanced Web Multimedia
- Mobile Web and Multimedia
- Project Management
- Ubiquitous Computing
- Web Development Project

## Career Opportunities

Graduates can embark on career as network engineers, web application developers and Internet solution developers.



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