DIPLOMA IN SOFTWARE ENGINEERING

Programme Details:

This programme is an effective and important qualification that will arm the students with relevant skills set to champion as well as attain organisational goals and objectives. This diploma provides a focused programme of study in the area of software design and development, providing an insight into technical skills and modern industry techniques. Software Engineering methodologies, computer programming and design are taught in this programme.

Core modules:

- C5-CE1-20 Computer and its Essentials 1 (10)
- C5-PLD-20 Programming Logic and Design (10)
- C5-MAT-20 Mathematics (10)
- C5-OSH-11 Operating Systems and Hardware (20)
- C6-PIE-20 Professional Issues and Ethics (10)
- C6-PUC-20 Programming using C++ (20)
- C6-CSA-20 Computer System Architecture (10)
- C6-DM1-21 Discrete Mathematics 1 (10)
- C6-CE2-20 Computer and its Essentials 2 (10)
- D6-AWS-20 Academic Writing for STEM (10)
- C6-DMS-20 Database Management Systems (20)
- C6-PUJ-20 Programming Using Java (20)
- C8-ITL-20 Information Technology Law (10)
- C6-DM2-21 Discrete Mathematics 2 (10)
- C6-EOL-20 Essentials of Linux (10)
- C7-SEN-11 Software Engineering (20)
- C6-WDD-19 Web Design and Development (20)
- C6-OOA-21 Object Oriented Analysis and Design (10)
- C7-DSA-11 Data Structure and Algorithms (20)
- C7-STM-21 Software Testing and Maintenance (20)
- C7-PUN-21 Programming Using .NET (20)
- C7-ITP-21 IT Project Management (10)
- C7-RMS-20 Research Methods for STEM (10)
- C7-PPC-20 Professional Practice in Computing (40)

Semester 1:
- C5-CE1-20,C5-PLD-20C5-MAT-20,C5-OSH11, C6-PIE-20

Semester 2:
- C6-PUC-20,C6-CSA-20,C6-DM1-21,C6-CE2-20, D6-AWS-20

Semester 3:
- C6-DMS-20,C6-PUJ-20,C8-ITL-20,C6-DM2-21

Semester 4:
- C6-EOL-20,C7-SEN-11,C6-WDD-19,C6-OOA-21

Semester 5:
- C7-DSA-11,C7-STM-21,C7-PUN-21

Semester 6:
- C7-ITP-21,C7-RMS-20,C7-PPC-20

Admissions Criteria:
- NSSC(O) (or equivalent) qualification with a minimum of 20 points in any 5 subjects