Semester 5:
C7-LWD-20,C7-SDN-20,C7-ITM-20,C8-LNA-11
Semester 6:
C7-RMS-20,C7-ISM-20,C7-PPC-20

Admissions Criteria
NSSC(O)/equivalent with minimum Pass (D) in 5 subjects.

Diploma in Software Engineering

Programme details:
The Diploma in Computer Networking is a modern The Diploma in Software engineering is an effective, and important qualification that will arm students with relevant skills set to champion as well as attain organizational 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. Graduates of the course may find employment in a range of public and private organisations for the following posts Software Engineer, Software Technician, Software Architect, Software Project Manager, Software Analyst, Web Site Master, Mobile App Developer, Database developer, Software Quality Assurance Engineer, Information Technologist Support Specialist, Information Technologist Educator.

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-OSH-11,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)/equivalent with minimum Pass (D) in 5 subjects.