IT6001	Computer Systems

Course Aim	To provide students with an understanding and appreciation of the computer system architecture and operations. It will introduce students to computer hardware, low level software and operating systems with emphasis on the concepts required to understand internal operations of computer systems.

Short Title		Version	6
Faculty	EDICT	Effective From	February 2016
Polytechnic Level		Indicative NQF Level	6
Credits	15	Student Contact hrs	60
Pre-requisites	None	Self-directed hrs	90
Co-requisites	None	Other directed hrs	0
Anti-requisites	None	Total learning hrs	150

Learning Outcomes	On successful completion of this course, students will be able to:	NQF Sub-strand
1	Demonstrate detailed knowledge and understanding of core computer theories, principles, concepts and hardware architecture and system software.	Theoretical Understanding
2	Implement assembly language programs to solve problems	Practical Application of knowledge
3	Solve problems relating to data representation, logic and Boolean equations	Generic, Problem Solving and Analytical Skills
4	Specify and build a computer system to a given business requirement	Theoretical Understanding
5	Troubleshoot hardware and software problems in a computer system	Practical Application of knowledge