



MAURITIUS QUALIFICATIONS AUTHORITY

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NATIONAL DIPLOMA

LEVEL 6

IN

INFORMATION TECHNOLOGY

National Diploma Level 6 in Information Technology

1. Level: 6
2. Total Credits: 215
3. Review Date: September 2026
4. Access to qualification

4.1 Entry Information

National Certificate Level 5 in IT

or

An alternative qualification at level 5 of the NQF

4.2 Recognition of Prior Learning [RPL]

4.3 Potential candidates holding a qualification at NQF Level 4/5 and reckoning at least 3 years of working experience in the relevant field may access this qualification through Recognition of Prior Learning (RPL) process.

4.3 Award of Qualification Requirements

Unit No.	Unit Standard Title	Level	Credit
Communication Skills			
1	Develop business communication skills	6	6
Mathematics for Digital Systems			
2	Apply Mathematics for Digital Systems	6	12
Programming Concepts			
3	Demonstrate an understanding of computer programming using control statements, arrays and pointers	6	12
Organisation and Management			
4	Analyze planning, decision-making, and ethics as management functions	6	6
Database Management Systems and Big Data			
5	Design RDBMS and demonstrate knowledge of Big Data	6	12
Web Design			
6	Design web pages using HTML, CSS and Java Script	6	12
Multimedia Authoring			
7	Demonstrate understanding of graphics and Multimedia Packages	6	12

Object Oriented Programming			
8	Write codes using Object-Oriented Programming with Java	6	10
Client OS Configuration			
9	Install and configure Windows	6	12
Routing and Switching Essentials			
10	Explore networking in various environments and Configure Intermediary Devices	6	12
Software Engineering			
11	Apply Understanding of Software Management and Project Management	6	7
IT Project			
12	Plan a computer program to provide a solution for an organization	6	6
Enterprise Networking			
13	Implement Static routes	6	3
14	Configure Access Control list	6	2
15	Configure Dynamic Routing Protocols and NAT	6	5
16	Configure networks using VLSM	6	2
Entrepreneurship and Innovation			
17	Demonstrate understanding of the principles of assessment and evaluation of entrepreneurial opportunities for new ventures and building up business plan	6	8
Server Environment			
18	Illustrate Active Directory Domain services groups and organizational Units in windows server	6	12
Dynamic Web Development			
19	Design responsive web pages	6	12
E Business			
20	Demonstrate understanding of EBusiness models and strategies	6	6
Security Fundamentals			
21	Implement secure system design	6	3
22	Implement secure network architecture concepts and protocols	6	3
MVC Framework			
23	Develop MVC based applications	6	12

Open-Source Operating Systems			
24	Apply knowledge of Linux systems installation (based on Linux Ubuntu)	6	8
25	Familiarise with Linux and shell commands	6	4
Mobile Application Development			
26	Write Codes using Android Studio for mobile apps	6	1
Emerging trends			
27	Demonstrate Understanding of Technologies currently in use	6	6
Web Applications			
28	Develop a plan for a project to an agreed specification	6	3
29	Develop and implement a solution for the project	6	6
Total Credits			215

Purpose:

The qualification is meant to equip learners with the knowledge and skills in the field of Information and Communications Technology including Database Management System and Big Data, Web Design, Multimedia Authoring, Object Oriented Programming, Software Engineering, Enterprise Networking, E Business, Server Environment and Mobile Application Development.

The holder of the qualification is expected to operate in a variety of work contexts including Computer Network Support Specialist, Webmaster and Application Developer.

Qualification Pathway:

Learners who possess the National Diploma Level 6 in Information Technology can access higher level qualifications (Top-up degree) in related field offered by local universities e.g University of Technology, Mauritius.