

**CODELYNX EDUCATION**  
**O LEVEL (NIELIT Pattern) SYLLABUS (2026)**

**Paper-1 IT Tools & Network Basics (M1-R5)**

**1- Computer Fundamentals**

- Introduction to Computer
- Generations of Computer
- Types of Computers
- Hardware and Software
- CPU (ALU, CU)
- Memory (RAM, ROM, Cache)
- Storage Devices
- Number System (Binary, Decimal)
- Shortcut Keys

**2- Operating System**

- Functions of OS
- Windows & Linux Basics
- File & Folder Management
- Control Panel
- System Tools
- Install & Uninstall Programs

**3- LIBRE OFFICE WRITER (Word Processing)**

- Text Formatting
- Tables
- Page Setup
- Mail Merge

**4- LIBRE OFFICE CALC (Spreadsheet)**

- Basic Formulas
- IF Function
- Charts
- Sorting & Filtering

**5- LIBRE OFFICE IMPRESS (Presentation)**

- Slide Design
- Animation
- Presentation

## **6- Networking & Internet**

- LAN, WAN, MAN
- Network Devices
- IP Address
- Internet & Email
- Cyber Security
- Digital Payment

## **Paper-2 Web Designing (M2-R5)**

### **1- HTML**

- Basic Structure
- Text Formatting Tags
- Lists
- Tables
- Forms
- Hyperlinks
- Images

### **2- CSS**

- CSS Syntax
- Selectors
- Colors & Fonts
- Box Model
- Layout Design
- Responsive Basics

## **Paper-3 Python Programming (M3-R5)**

### **1- Python Basics**

- Introduction to Python
- Variables & Data Types
- Operators

- Conditional Statements
- Loops
- Functions
- List, Tuple, Dictionary
- File Handling
- Exception Handling

## **Paper-4 IoT (Internet of Things) (M4-R5)**

### **1- IoT Concepts**

- IoT Overview
- Sensors & Actuators
- Arduino Basics
- Raspberry Pi Basics
- Smart Applications

### **Final Project-**

- 1-** Python Based Project
- 2-** Web Based Project

