

# DIPLOMA IN SOFTWARE ENGINEERING ('O' LEVEL)



DURATION: 12 MONTHS

## M1-R5: IT Tools & Network Basics

- Introduction to computers
- Introduction to Operating System
- Word Processing using Ms-Word
- Spreadsheet Using Ms-Excel
- Presentations Using Ms-PowerPoint
- Introduction to Internet, WWW and Web
- Email, Social Networking and e-Governance Services
- Digital Financial Tools and Applications
- Overview on Futuristic IT Technology and Cyber Security

## M2-R5: Web Designing & Publishing

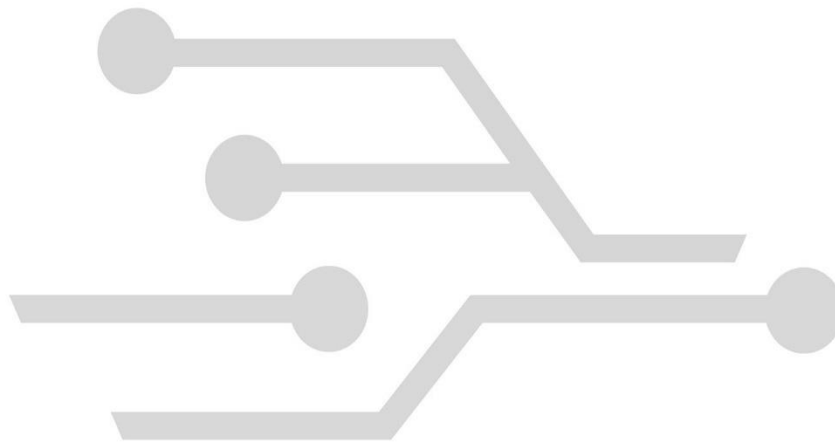
- Introduction to Web Design, HTML Basics
- Cascading Style Sheet
- CSS Framework
- JavaScript and Angular JS
- Photo Editor
- Web Publishing and Browsing

## M3-R5: Programming and Problem Solving through Python

- Introduction to Programming
- Flowcharts & Algorithm to Solve Problem
- Introduction to Python
- Operators, Expressions and Python Statements
- Conditional and Iterative Statements
- Strings in Python
- List Manipulation
- Tuples
- Dictionaries
- Functions
- File Processing
- Scope and Module
- NumPy Basics
- Important Definitions and Terminologies

## M4-R5: Internet of Things and its Applications

- Introduction to IoT
- Things and Connections
- Sensors, Actuation and Microcontrollers
- Building IoT Applications
- Security and Future of IoT Ecosystem
- Soft skills-Personality Development



Partners :



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