

NITECH Computer Education & Training Centre

1st Floor, Regal Plaza (Above Utkarsh Bank), Sector-16, Indira Nagar, Lko – 16



8604587611 / 9532490807 / 8130888289 Phone : 0522-4062409

O Level – Revised Syllabus(R5.1)

Duration – 1 Year

Eligibility:Intermediate (10+2)

SEMESTER - I

Module – 1 R5.1 :: IT Tools & Network Basics

- ❖ Introduction to Computer
- ❖ Introduction to Operating System
- ❖ Word Processing – Writer Package
- ❖ Spread Sheet – Calc Package
- ❖ Presentation – Impress Package
- ❖ Introduction to Internet and World Wide Web
- ❖ E-Mail, Social Networking and e-Governance Services
- ❖ Digital Financial Tools & Applications
- ❖ Overview of Future skills and Cyber Security

Module – 2 R5.1 :: Web Designing & Publishing

- ❖ Introduction to Web Design
- ❖ Editors
- ❖ HTML – 5
- ❖ Cascading Style Sheets
- ❖ Cascading Style Sheets Framework
- ❖ JavaScript and Angular JS
- ❖ Photo Editor
- ❖ Web Publishing and Browsing

SEMESTER - II

Module – 3 R5.1 :: Programming Using Python

- ❖ Introduction to Programming
- ❖ Algorithms and Flowcharts to Solve Problems
- ❖ Introduction to Python
- ❖ Operators, Expressions and Python Statements
- ❖ Sequence Data Types
- ❖ Functions
- ❖ File Processing
- ❖ Scope and Modules
- ❖ NumPy Basics

Module –4 R5.1:: Internet of Things (IoT)

- ❖ Introduction to Internet of Things (IoT)
- ❖ Things and Connections
- ❖ Sensors, Actuators and Microcontrollers
- ❖ Building IoT Applications
- ❖ Security and Future of IoT EcoSystem
- ❖ **Soft skills - Personality Development**

Documents Required for Admission :

- 4 Latest clear color photo
- Qualification Set – One
- Aadhar Card Copy
- Aapar ID