NX Coders

Get ready for tomorrow.

What is Coding?

- Electronic devices like cell phones, laptops, and tablets require code to function properly.

- Coding tells a machine which actions to perform and how to complete tasks.

- Modern technology such as traffic lights, calculators, smart TVs, and cars use internal coding systems.

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Programming Languages

HIGH LEVEL LANGUAGES

High-level languages require the use of a compiler or an interpreter for their translation into the machine code.

Eg.:

Python, C#, C++, Java, etc.

LOW LEVEL LANGUAGES

Low-level language requires an assembler for directly translating the instructions of the machine language.

Eg.:

Machine language,

Assembly language

Road Map 1

Website Development

LEVEL 1

You Will Learn:

HTML, PHP,

Photo Editing Basics,

Logo Making

Uploading Website

Projects:

Personal Website 1,

Personal Website 2,

Business Websites,

Hobby Website

Website Development

LEVEL 2

You Will Learn:

Programming

Web Apps, Online Simple Games,

Payment Mode Addition

Projects:

Business Website with Payment Options, Bill Generation

Hackers Website,

Sending Bulk SMS and Links

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Road Map 2

ROBOTICS
LEVEL 1

<u>You Will Learn:</u>

Use of Arduino uno,
Electronics

Use of Sensors

Projects:

Line Following Robot,
Obstacle avoiding Robot,
Controlled Robot,
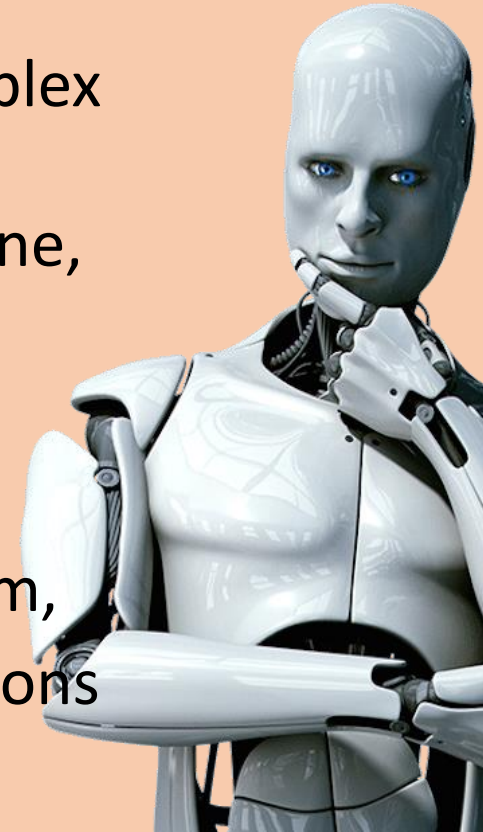Basic Science Projects

ROBOTICS
LEVEL 2

<u>You Will Learn:</u>

Using Sensors to make complex models,

Controlling Electronics Online,

Artificial Intelligence

Projects:

Automatic Irrigation System,

Turning ON/OFF House buttons online

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Road Map 3

Python Language

LEVEL 1

You Will Learn:

Python Basics

Python Libraries

Drawing using Python

Projects:

10 Projects

Python Language

LEVEL 2

You Will Learn:

Simple Apps

Simple Games

Projects:

5 Projects

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Road Map 4

3D Modelling & Animation

LEVEL 1

You Will Learn:

Making Simple 3D Models,

Complex 3D Models,

Your Own Home in 3D

Projects:

5 Projects

3D Modelling &Animation

LEVEL 2

You Will Learn:

Making 3D Animations,

Editing Videos,

Commercial Business

Projects:

5 Projects

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Road Map 5

3D Printing

LEVEL 1

You Will Learn:

Importing and Printing 3D Objects of daily use

Projects:

5 Projects

3D Printing

LEVEL 2

You Will Learn:

Printing Robotic Parts using 3D Printer

Projects:

5 Projects

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Road Map 6

VR & AR

LEVEL 1

You Will Learn:

Making 3D

Augmented Reality App

Projects:

5 Projects

VR & AR

LEVEL 2

You Will Learn:

Making 3D

Virtuality Apps

Projects:

5 Projects

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Road Map 7

2D Game Development

LEVEL 1

You Will Learn:

Unity Basics,

C# Basics,

Simple 2D Games

Android Games

Projects:

2 Projects

2D Game Development

LEVEL 1

You Will Learn:

Advanced Unity,

Ads and Monetisation

Complex 2D Games

Windows Games

Projects:

2 Projects

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Road Map 8

3D Game Development

LEVEL 1

You Will Learn:

Unity Basics,

C# Basics,

Simple 3D Games

Android Games

Projects:

2 Projects

3D Game Development

LEVEL 1

You Will Learn:

Advanced Unity,

Ads & Monetisation

Complex 3D Games

Windows Games

Projects:

2 Projects

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