



## Advance: A glimpse of topics

Python	Complete Course	Oriented towards - Artificial Intelligence, Machine Learning, & Deep Learning Neural Network
Artificial Intelligence (AI)	Supervised Unsupervised Reinforcement Deep Neural Network	Chat-bots like Alexa, Siri, etc.
		Developing AI based APPs
		Developing Jargon Buster
		Data analysis (Machine learning)
		Voice & Text recognition system
		Traffic Management using AI
		Real time Stock market prediction
		Image compression using AI
Aerospace	Drones	Drone design & Build from Scratch
		Payload delivery drones, such as medicines, food, electronics, etc.
		Delivery using winch mechanism
		Autopilot Integration
		Flying training
	Aero-planes & Jet Engines	Design and working
		Understanding Atmosphere
	Space Technology	Design and working of rockets
		Design and working of satellites
		Design and working of space vehicles

Augmented and Virtual Reality (AR & VR)	Virtual World	3-D Hologram
		3-D Games
		Creating VR movies, VFX Technology
		Projecting 2D objects in 3D

Website & App Development	Website	Front-End
		Back-End
		Responsive and Dynamic
		Introduction to Word Press
		Creating the server and hosting the website
	APPs	Android APP development
		App development using Flutter & Android studio
	Games	2-D Games using JavaScript
		Animation Projects

Robotics	Robots	Collision avoidance robot
		Line following robots
		Robots for defense and civilians applications
		Communication protocols
	Security System	Security alarm systems
		Safety systems
	Infrastructure	Making home appliances automatic
		Smart dustbins
		Smart devices

Defense Technology	Warfare (State of the Art)	Bullet proof jackets
		Missile systems
		Artillery tanks
		Radars
		Machine Guns

Tools	Supplement	3-D printing
		Catia/SolidWorks/AutoCad
		Microcontrollers (Arduino/ Raspberry PI)
VFX Graphics Design	Adobe After Effect	Movie Making

Note:

- Depending on the overall performance of the student, He/she can be considered qualified for our ***JUNIOR EXPERT Programme***.
- The Exams will be conducted frequently, and the credits will be rewarded subsequently. Minimum 30 Credits (Domain-wise) is to be required for getting the Certificates in each domain.

