

Start Tinkering Today with our best and professional teachers





What is a 3D world?

- 3D includes the design and development of 3d models with the help of 3d CAD software. Our main motive is to focus on real-time problem-solving and make real-time innovative products.

CLASSES	ACTIVITY /TOPIC	UNDERSTANDING
1	Introduction to 3D World technology	Shape identification with real-life scenes
2	Key chain	Alphabet orientation
3	Dice	Shape orientation
4	Sword	Ancient craftsmanship vs modern craftsmanship
5	Finger ring	Jewelry design basics
6	Snowman	Cartoon figures designs
7	Submarine	Marines design basic
8	House	Architect home design
9	Racing car	Automobile designing basics
10	Robotic Car	Robotics design basics



What is Scratch?

- Scratch is block coding software for students which students use to learn for making video games and understand the basics of coding.

11	Basic block intro	Understanding the block basics
12	Talking calculator	Understanding the graphic interfacing
13	Jumping game	Understanding movement and locomotion
14	Space race	Understanding gaming concepts
15	Galaxy war	Understanding screen shifting
16	Iconic super Mario	Understanding of traditional gaming and modern gaming
17	Super ninja fighting	Elimination concepts in gaming
18	Super corona fighter	Understanding looping in gaming
19	Hungry python	Shifting array and coordinate geometry
20	Mission mangal	Basic theonomy with block coding
21	Quest hunter	Logic understanding in gaming
22	Ludo master	Logic building with mathematics
23	Own shooting Expert	Image modification and real-time gaming
24	Fruit ninja 2.0	The sensor in the gaming
25	Bahubali 3.0	STEM combination project

WHAT IS APP DEVELOPMENT

- App development is the learning of the development of a mobile application. It also involves the understanding of the basics and concepts behind the development of an app. It helps students to develop logic and conceptual-based learning.

26	Introduction to app inventor and create magic button	Understanding the basics of app development
27	App Installation on phone	Basic the installation
28	Make your camera	Camera opening basic in the app
29	Turn on and off the torch	Torch controlling using the app
30	Make your WEB application	Understanding the web application development
31	Bouncing balls	Basic GUI understanding
32	Voice-activated app	Voice activation understanding
33	Barcode scanner	Barcode scanning features understanding
34	Calculator	Mathematical operation in application
35	Car game	Movement and screen shifting basics



36	Shopping app	E-commerce features understanding in an app
37	Bill Generator	Text alignment methods
38	Drawing book	Drawing methods in the app
39	Login page	GUI of login in mobile
40	Identify the image using Alexa	AI in the app using third-party services
41	Quiz making	Conditional and logical understanding
42	App lock	App lock basic and permission basic
43	Language Translator	Language in apps methodology
44	Stopwatch	Time switching
45	Taking online attendance	Counter methods for counting



KNOW YOUR ARDUINO

- Arduino is open-source hardware, which is used by students to make advanced robotics projects. It empowers students with STEM-based learning.

46	Introduction to Tinker cad	About the simulation tool testing
47	component identification and use	Components and their uses
48	Circuits linking with Led Blink with switch	Basic of the circuits and switching
49	Series parallel, multiple LED switching	Electrical connection basics
50	Magical resistance switch	Resistance concepts and use
51	Introduction to robotics and Arduino coding	Robotics basic and Arduino coding
52	Traffic light and Smart police siren with LIGHT	Traffic light concepts
53	Smart dustbin	Smart devices basics
54	Smart kitchen safety device	Smart safety devices
55	Smart sanitization machine	Smart mechanical devices
56	Smart Door System	The smart actuator system mechanism
57	Smart street Light	Light mechanism working for smart devices



58	The smart street light alert system	Real smart light mechanism working
59	Smart Door Security	Security system for door
60	Remote control car	Remote control basic and networking
61	The robotic police car with siren	Robotics basics
62	Smart Fire safety system	Temp and fire detection methods
63	Smart city project	Smart city planning methods
64	Smart home automation system	IoT basic and planning

ENTREPRENEURSHIP AND INNOVATION

65	Introduction to entrepreneurship
66	Importance of the entrepreneurship
67	Innovations and ideas
68	Patents and their needs
69	Ideas discussion
70	Idea, prototype product
71	Problem-solving ideas
72	Differences in product and service
73	What are the types of investment?
74	Importance of investment



75	Case studies of startups
76	How to find ideas?
77	How to pitch an idea?
78	How to start a company?
79	Types of company
80	Turn your idea into a startup
81	Project report

CODING(PYTHON)

82	Introduction to Python and basics
83	Data types and variable
84	Mathematical expression
85	Conditional statement
86	Loops
87	Strings
88	function
89	List
90	tuple
91	dictionary