

## CURRICULUM

GRID

Objective Number	Key Learnings	Activities										
		Activity 1	Activity 2	Activity 3	Activty 4	Activity 5	Activtiy 6	Activity 7	Activity 8	Activtiy 9	Activtiy 10	
Engine	ering Skills											
1	Electronic components									П	T	
2	Sensors											
3	Actuators											
4	Digital & analog signals								П			
5	Prototyping and testing											
6	Teamwork and collaboration						П					
7	Develop sensing applications											
8	Real world applications											
Algorit	hms & Programming											
1	Variables and data types											
2	Loops, Functions and Conditionals											
3	Objects, Libraries											
4	APIs and JSON											
5	HTML and CSS											
6	Program structure											
7	Reuse and modify existing code											
8	Test and debug programs											
Netwo	rking & Technology											
1	Security and privacy											
2	Networking protocols											
3	IoT Ecosystem											
4	Cloud services											
5	Web servers											
6	Serial communication											
7	Wireless communication											
8	Monitor and control microcontroller remotely											
Data &	Analysis											
1	Data collection using sensors and computational tools											
2	Present data in various formats											
3	Store data in different formats											
4	Graph and visualize data in real time											
5	Analyze captured data											
6	Automatised data collection											

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