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STEM LEARNING STSTEM (BASIC)
Order Code - STEM-001

This kit is designed for schools to be able to roll out well structed STEM/Robotics/AI education programs. This is an awesome beginner kit that offers modular Electronics, Robotics & Coding blocks. The kit can be used both with and without coding making the first step very easy for students. It has 22 blocks containing coding block, power supply, various inputs, sensors, outputs, motors, and much more. The kit also has plastic construction components.
The kit support Block coding, C++ & Python. The coding can be done using Windows, Android and iOS PCs/tablets
The kit comes with well structured 24 sessions of video curriculum that is available in LMS (learning management service). We also conduct teacher training programs.
Education topics covered: Electronics, Robotics, AI & IoT

Specification

- Contains 22 Module & Accessories
- It contain one Programmable Block called – NetLogic (WIFI & Bluetooth both)
- Basic electronics components like Light, Buzzer, NOT Gate, High Speed Motor
- Two ON/OFF Motors with Mounted BO
- Some sensors like Light Sensor, Obstacle Sensor & Moisture Sensor
- Rechargeable Battery with Charge & Cable
- Has construction kit with 50+ components

Sample Projects

- Car Parking Safety Alarm
- Open Door Alarm
- Morse code with buzzer
- Adding Motion & senses to your project
- Digital dimmer project
- Digital Key……and many more

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.

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IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
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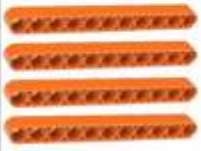
COMPONENT DETAILS

Component	Qty	Details
	1	USB Rechargeable Battery
	1	Battery Power Block – Supply power to rest of the blocks
	2	Motor Blocks – make lot of robotics and other interesting projects with it
	1	High Speed DC Motor
	1	Buzzer – Give Sound to your projects
	1	Light – Make your project shine and light
	1	USB Cable

Component	Qty	Details
	2	Obstacle Sensor – Make your projects to take decision by sensing things around it
	1	Sensor Base – Connect variety of sensors to this base
	1	Light Sensor – Make your projects to sense light around it and take decisions
	1	Moisture Sensor – Make your projects to sense moisture to make decisions
	1	Copy – with one input make three outputs work
	1	NOT – Logic gate that give inverted output of its input
	1	Small Wheel

Component	Qty	Details
	2	Robotic Wheel – Give power to your projects to move around
	1	Fan - Give power to your projects to blow air around
	2	3 pin wire to connect sensor
	2	2 pin wire to motors
	1	Adapter
	1	NetLogic – Code your kit with Cretile Use Drag-n-drop coding With Wi-Fi Connect to internet and explore the world of IoT

Construction Kit Component	Qty	Details
	2	Base Plate
	18	Connector
	4	Connector
	2	Motor Coupler
	1	Remover Tool

Construction Kit Component	Qty	Details
	6	1x5 Strip
	4	1x11 Strip
	1	Wheel Shaft
	3	Gear Wheels
	1	Big Gear
	1	Shaft

Construction Kit Component	Qty	Details
	2	Free Pipe
	3	Robotic Wheels
	2	Moving Connectors
	4	Free connectors

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LMS FOR TEACHER`S & STUDENT`S

Teachers View

- Teaching Resources
- Session Power Point presentations
- Monitor students progress

Students View

- Learning Resources – Videos & Documents
- Quizzes
- Scholarship