

STEM LEARNING STSTEM (ADVANCED) Order Code - STEM-003



This kit is designed for schools to be able to roll out well structed STEM/Robotics/IoT/AI education programs. This is an awesome advance 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 63 blocks containing coding block, power supply, various inputs, sensors, outputs, motors, blocks for logic gates, transmitter, receiver, Smart Switch 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, Automation, AI & IoT

SPECIFICATION

- Contains 63 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 & Servo motor & Parts.
- 13 types of sensors, few are Light Sensor, Obstacle Digital dimmer projectand many more Sensor & Moisture Sensor, Motion, Vibration Sensor, Sound Sensor, Tilt Sensor
- Smart Switch to control appliances
- · Having Construction Kit which contains 100+ components

SAMPLE PROJECTS

- Morse code with buzzer
- Pre-programmed path robot
- · Automatic plant watering
- · Cliff avoiding robot
- Obstacle avoiding robot
- · Salt water conductivity
- Digital Key

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.



STEM LEARNING STSTEM (ADVANCED) Order Code - STEM-003

Component	Qty
Adapter/Charger	1
Battery Power	2
Buzzer	1
Connectivity sensor	1
Сору	1
Dimmer	1
High speed motor	1
Inverter	1
Light	1
Light Sensor	1
Limit Switch	2
Magnetic sensor	1
Mini Plastic Fan	1
Motion Sensor	1
Motor with mounted BO	2
NetLogic	1
Obstacle sensor	2
OTG Adapter	1 -
Pipe	1
Pulley	1
Pulse Delay	1

Component	Qty	
Push Button	2	
Receiver	1	
Sensor Base with threshold	4	
Servo Motor	2	
Servo Motor part	2	
Smart Switch	1	
sound sensor	1	
Submersible pump	1	
Switch	2	
Tilt sensor	1	
Transmitter	1	
U- Left	1	
U- Right	1	
USB Cable	3	
Vibration Motor	1	
Vibration sensor	1	
Wheel	2	
Small Wheel	1	
Magnet	1	
Wire	4	

Component	Qty
AND	1
OR	1
Toggle	1
USB Rechargeable Battery	2
Plastic Building Block Set 100+ Pcs	1





Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India, Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com





STEM LEARNING STSTEM (ADVANCED) Order Code - STEM-003

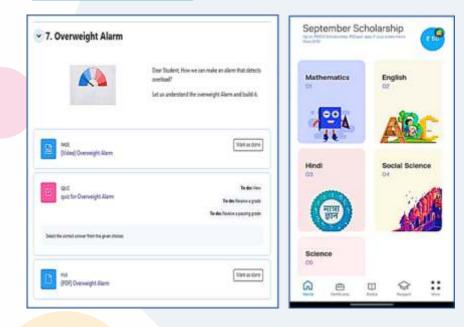
LMS FOR TEACHER'S & STUDENT'S

Teachers View

Vinutes] To understand the another use of ob- ine, and concept of overweight alarm.	stacle sensor, by making students aware of weighing	
al of the project is to understand the how can we make weight measuring instrument and use it for real orld applications.		
Ride [10 Minutes] Understanding the concept	Mark as done	
10 minutes Teacher will explain about different uses of weighing muchine be automoted	f obtlack samer and ask questions to students about how can	
(3 minutes) Students will share project ideas for Overwe	right allerm	
(? minutes) Teacher will explain the functionality of each	hanadala in the project	
Bigit [0 Minutes] Understanding of working N	Mark as done	
(5 Minutes) Taucher will ask questions to students about functionality, for each part of the project, Taucher will be	functionality of project and gradually civide the project	
functionary, for each part of the project, success will as		

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

Students View



- Learning Resources Videos & Documents
- Quizzes
- Scholarship

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India, Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com