TINKERING LAB AND MAKERSPACE

PLACE TO INNOVATE THROUGH ROBOTICS I IOT & AUTOMATION

TINKERING LAB & MAKERSPACE

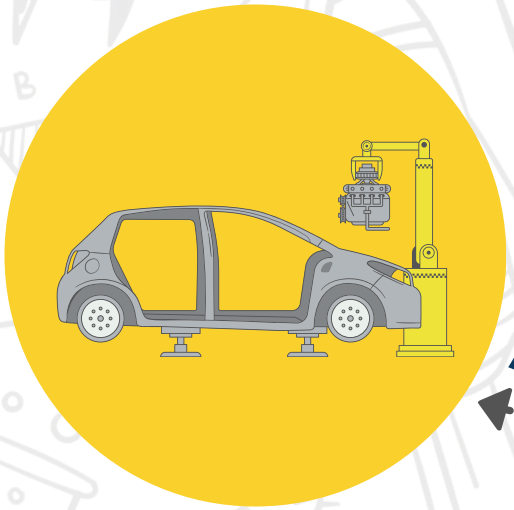
I'm a ROBO SCIENTIST

SKILL CLUB

MAKER SCIENTIST
POWERED BY SCIENCEUTSAV

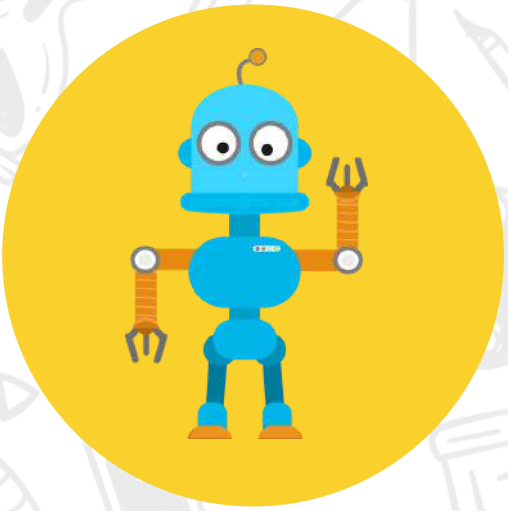
ATL Labs I PM Shri Schools I NEP Workshops STEM Programs
Tinkering Workshops

COMPLETE SOLUTION FOR TINKERING LAB & MAKERSPACE



Automation

Decision Making



Robotics

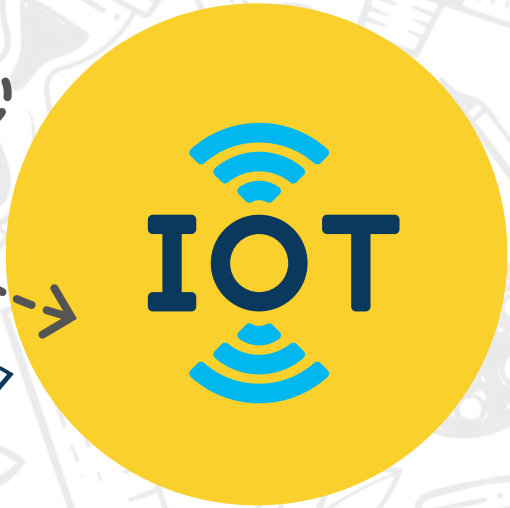
Critical Thinking

Programming

AI & Coding

Data Analysis and Interpretation

Design Thinking



Internet of Things

Computational Thinking

MAKER SPACE

Complete infrastructure setup with tools, workstations, and crafting equipment to create a hands-on STEM and robotics learning environment for schools.

Learn, Tinker & Build with Purpose

MAKERSPACE AND TINKERING LAB

- Technology Kits + Design Thinking Program = Community Solution
- Grade-wise syllabus mapped from **Grade 6 to Grade 10**
- Learning Management System (LMS) access with comprehensive teacher training
- Dedicated troubleshooting and support provided through a ticket based system

Manufactured in our factory powered by curriculum & Training

I'm a ROBO SCIENTIST

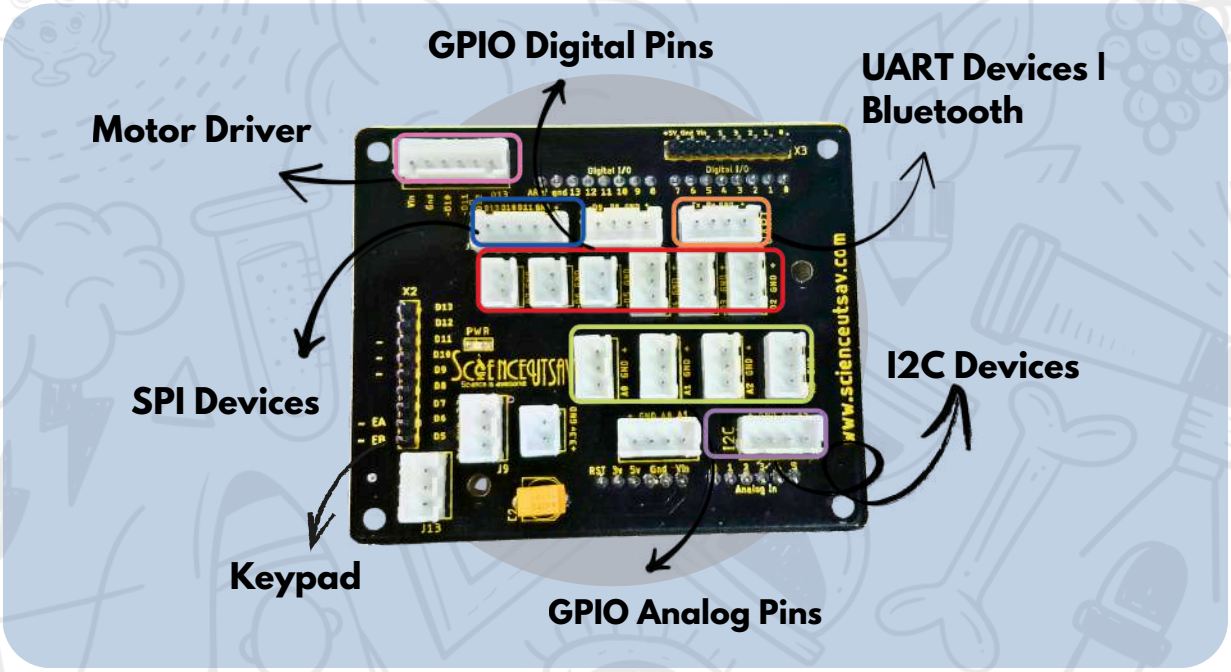
Electronic + Coding - Complicated Writing + $\frac{\text{Tools x Ideas}}{\text{Engineering Problems}}$

= Community Solutions

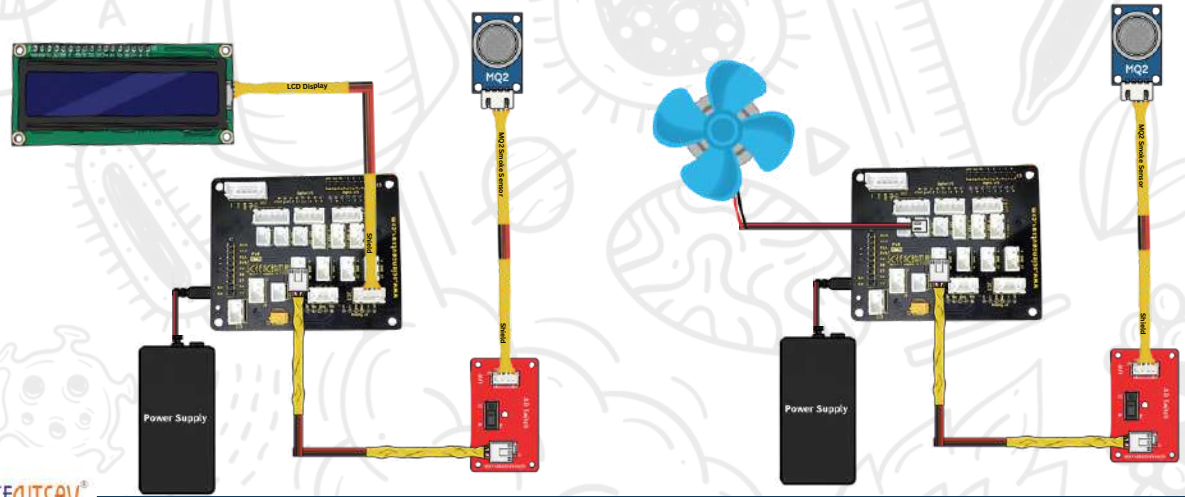
Structure and Templates for realtime project building

Perfect kit for prototyping the ideas

Customised LMS for coding and electronics

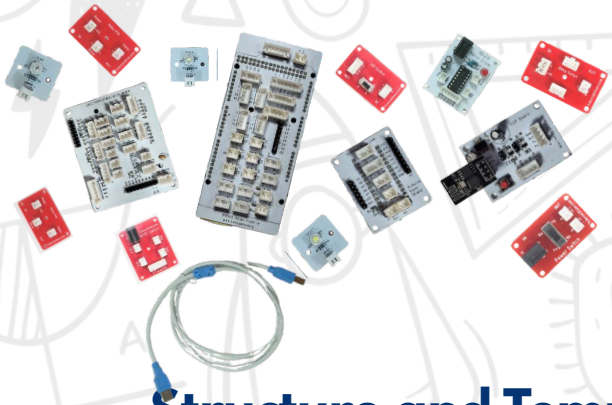


Sample Circuit Diagrams

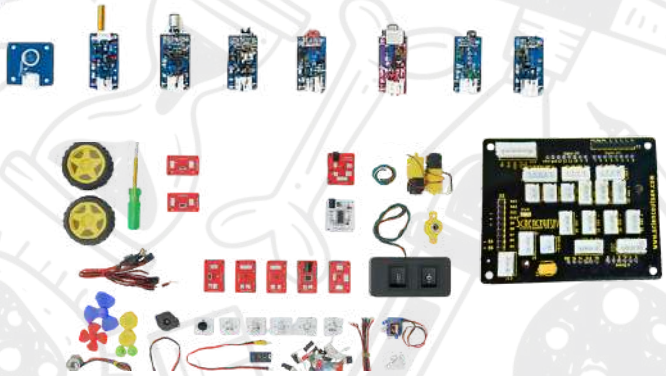


WHAT KIT HAS IN IT?

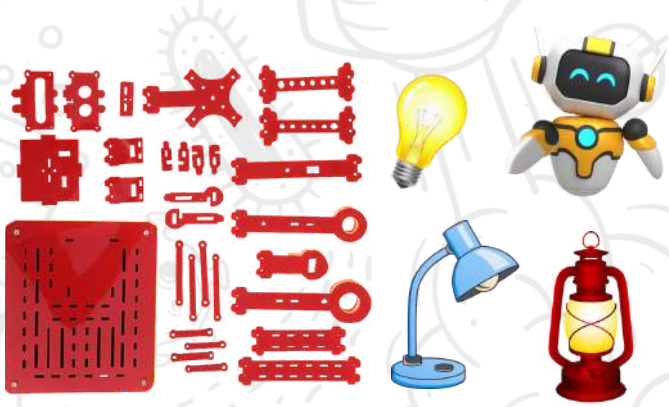
Microcontoller and Shield



Sensor-Based IoT Kit

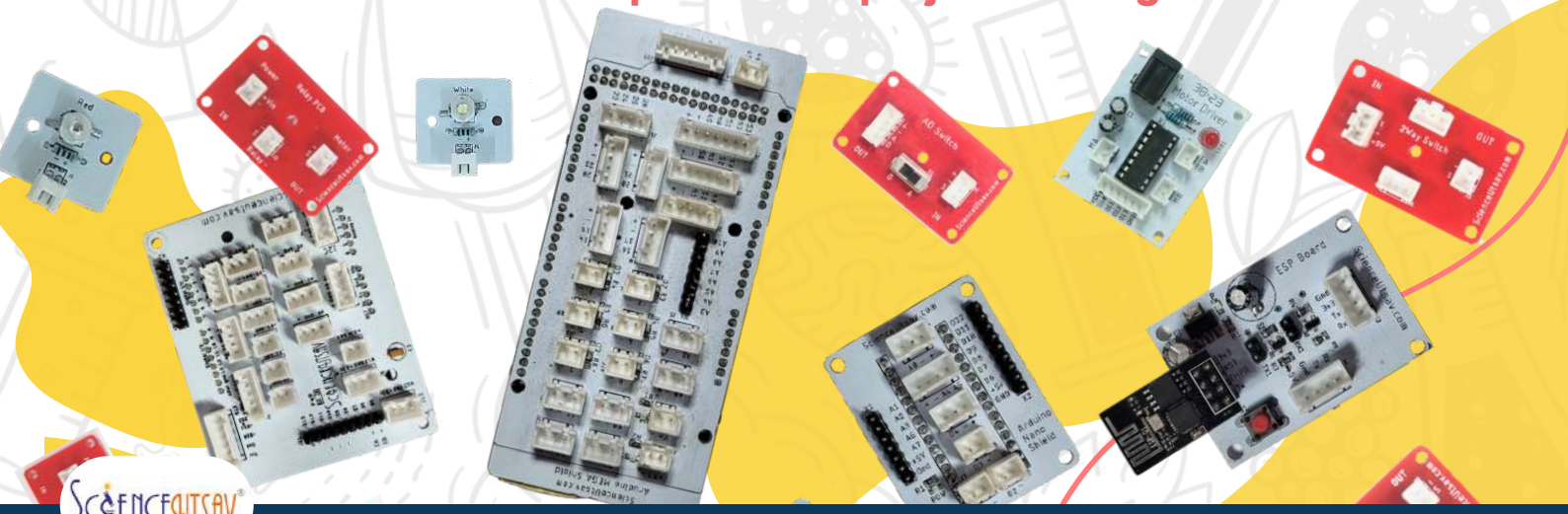


Structure and Tempates for prototyping



- SOPs for Lab Ussages
- LMS for Teachers
- Teacher Training

- Customised Microcontoller Shield for easy connection
- Input devices such as Sensors and Switches
- Output devices including Motors, Displays, Buzzer, Speakers and LEDs
- Communication modules like Wi-Fi, Bluetooth, and RF
- I2C, SPI, UART and other serial communication devices
- Additional essential components for project building



Designed for Innovation

Supports hands-onlearningin IoT, robotics, automation, and design thinking, aligned with modern curriculum needs.

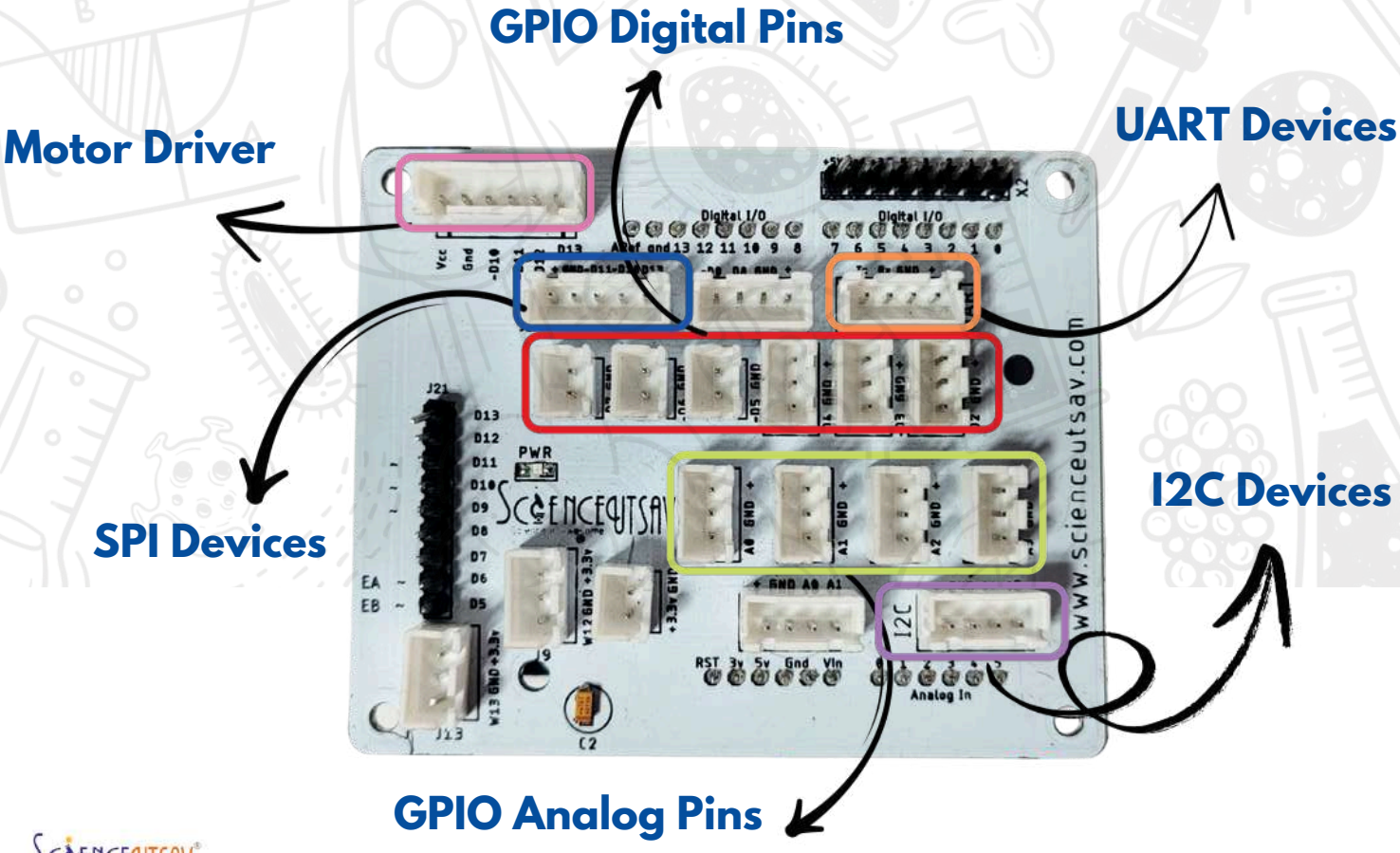
Complete Kit Solution

Comes witheverything needed: PCB shield, microcontroller, sensors, motors, RMC cables, and sample project guides.

Modular & Scalable

Flexibledesignallowsfor future expansions and upgrades without needing a redesign.

WHY CHOOSE OUR ROBOTICS + IOT + AUTOMATION KIT?



Plug & Play Prototyping

Custom-designedPCB withRMC (Relimate Connector) ports allows sensors and output devices to be connected instantly-no breadboard or jumper wire hassle.

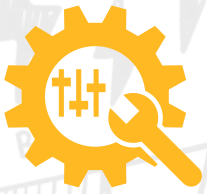
Beginner-Friendly Design

Ideal forclassroomsand STEMlabs—clean wiring for easy, organized learning.

Universal Communication Support

- Includesdedicated portsfor:
- I2C Devices (e.g., displays, RTC)
- SPI Devices (e.g., SD cards)
- UART Devices (e.g., Bluetooth, Wi-Fi modules)
- Motor Driver Connection

Custom RMC Cables Included

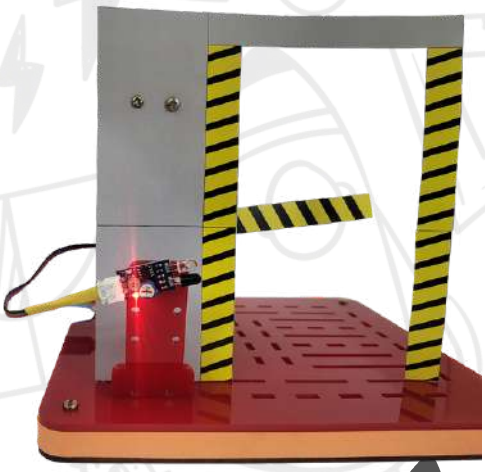


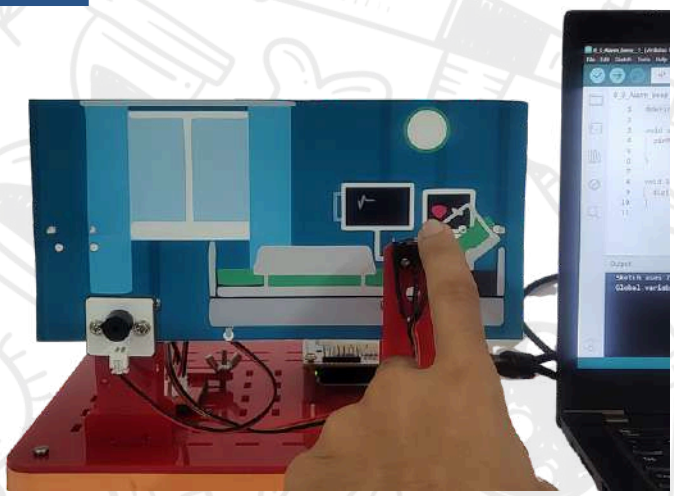
Pre-built RMC cables for all major sensors and output components ensure quick and error-free connections every time.

No Breadboard Mess

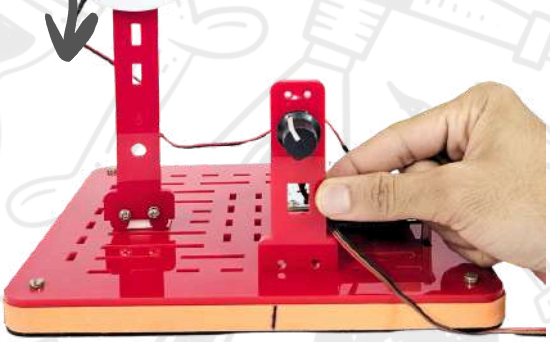
Replacesthetraditional breadboard setup with a clean, structured interface that enhances the prototyping experience and project durability.

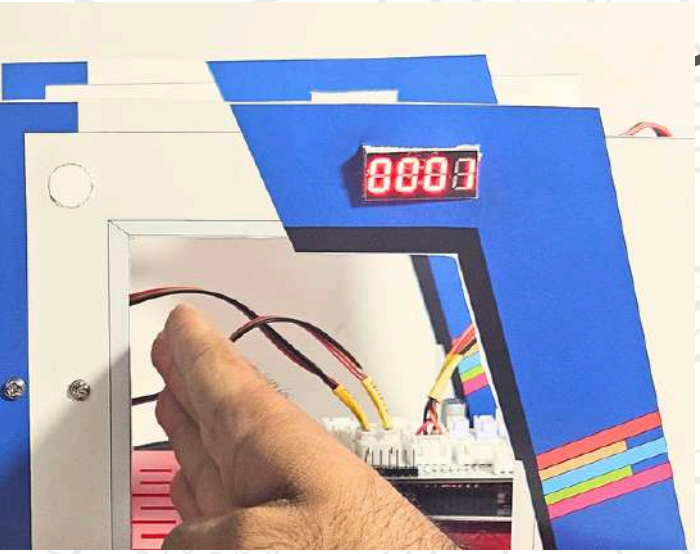
PRODUCT OUTCOME





Best Kit for Tinkering Lab Activities



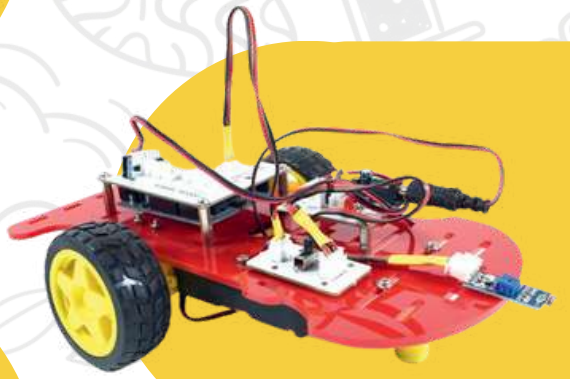


PRODUCT OUTCOME

Obstacle Avoiding Robot

Edge Avoiding Robot

Light Following Robot



Human Following Robot

Line Following Robot

Bluetooth Controlled Robot

DPDT Robot

PRODUCT OUTCOME

Trek Robo

Slippy

Triky

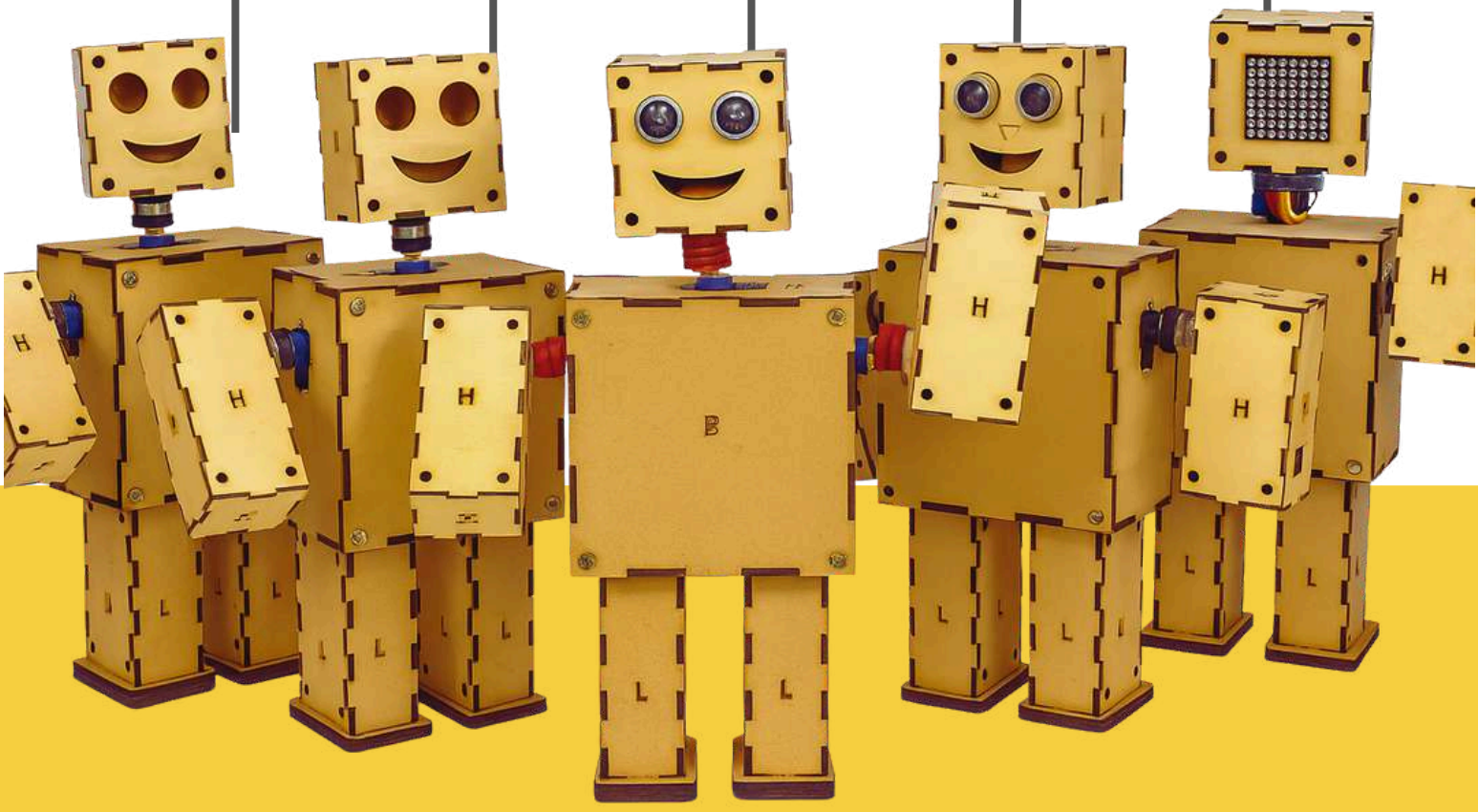
Dancing Robot

Mist Robo

Don't come near me

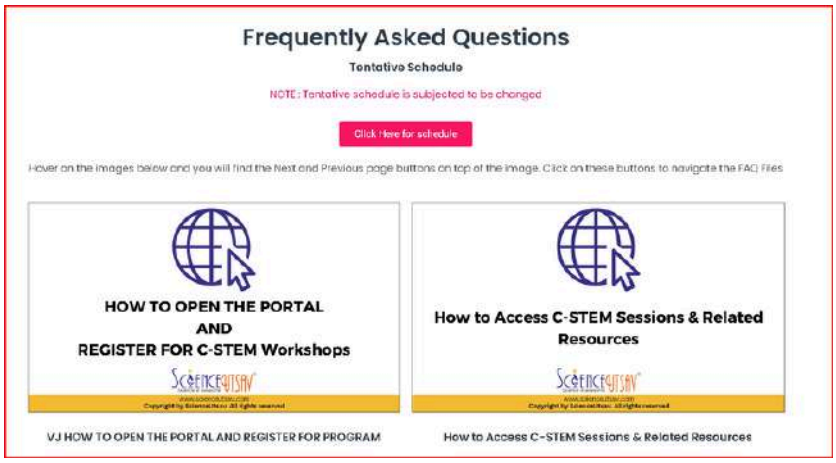
Shy Robot

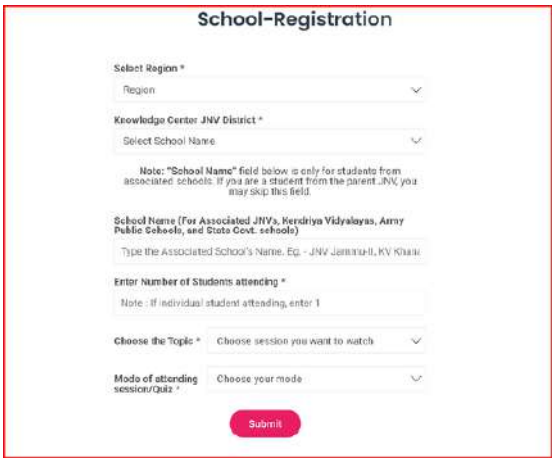
Smiley



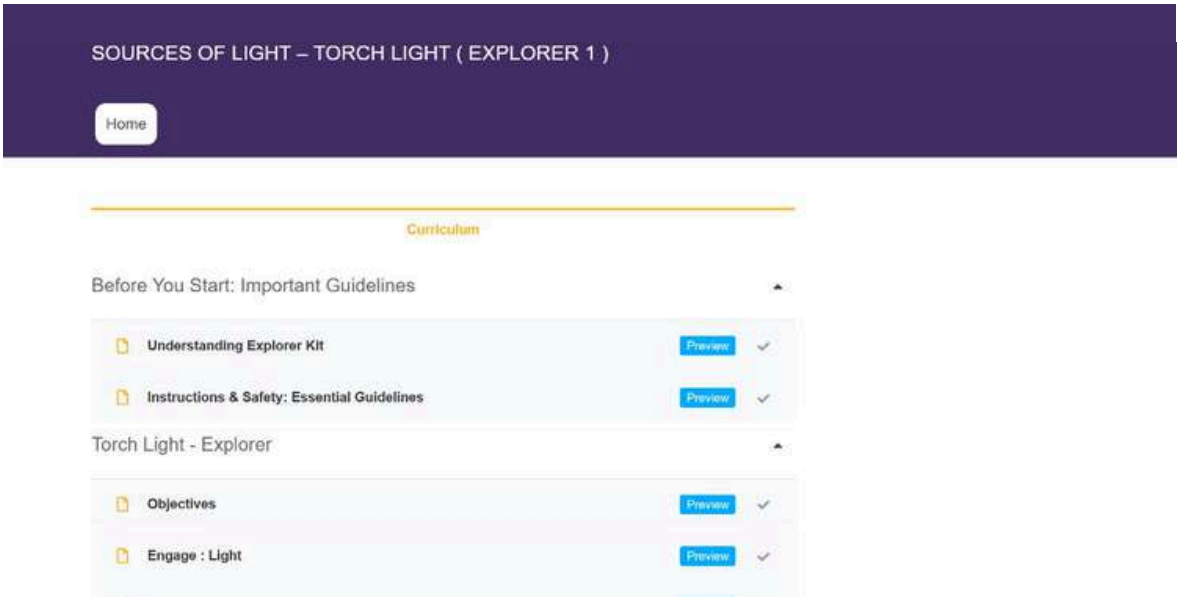
TRAINING AND DELIVERY

a. Learning Platform will be provided to every school where all the required content, joining links for sessions, study material, assessments, etc.,





b. Content: Content related to the Kit is curated based on the 5E Principle



PROGRAM EXECUTION – WORKFLOW

1. User friendly Tech lab setup
Simplifiled Tech kits for IoT, Automation and Robotics

2. Coding (Both Syntex & Block based)
5E methodology to introduce programming

3. Project Building using Tempates & Structure
Structures and templates for project prototyping

4. Tinkering Lab for Skill development
Design Lab and project building tools for project building

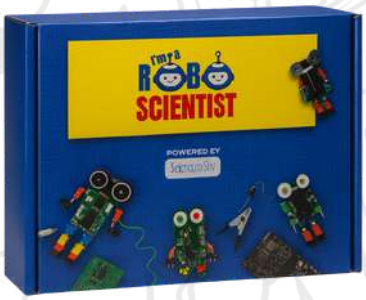
5. Design Thinking Workshops
Approach to learn problem discovery

6.Lerning Management System & Training
Customised Curriculum delivered grade-wise through LMS

7. Creative Ideation
Community problem solving with kiddo engineering skills

8. Hackathon and Showcase
Project Showcase, Exhibition and Certification

PROGRAM EXECUTION – WORKFLOW



Hassle Free
Lab tools and Kits

Tech Know-How

Hands-On Skills

Problem Discovery
workshop

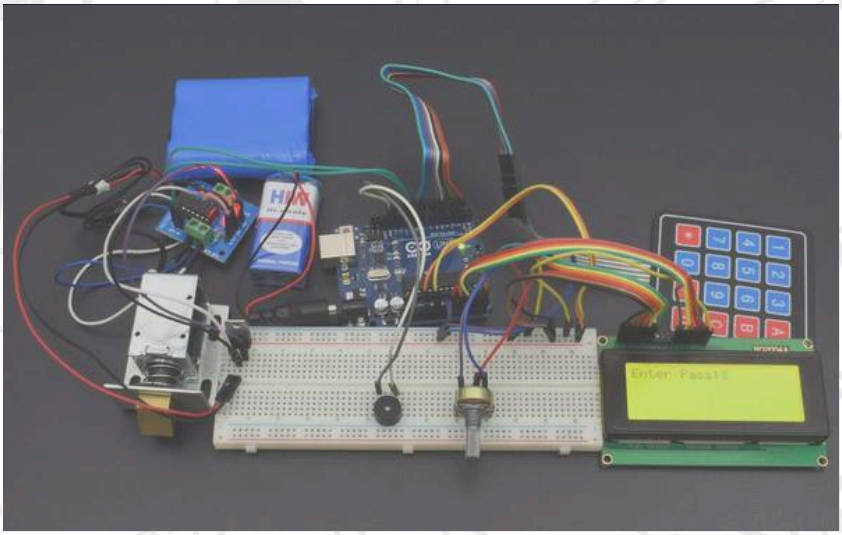
Design thinking
Methods

Creative Ideation

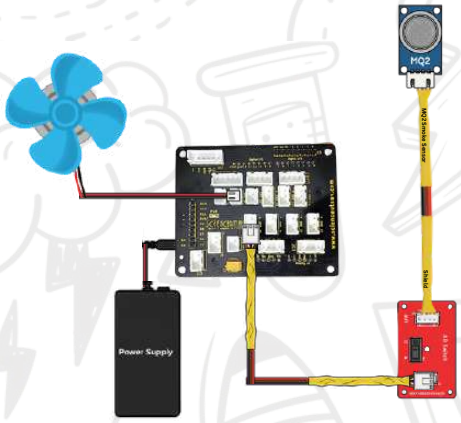
Community problem solving with innovations

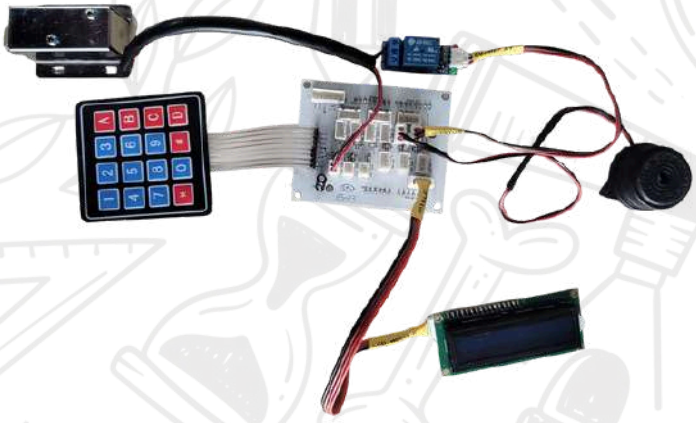
"HASSLE-FREE INNOVATION"

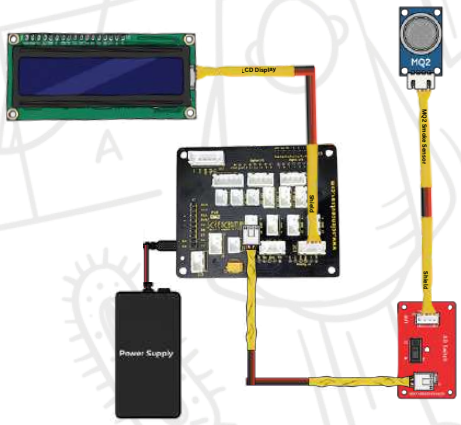
Usual way of connecting components to build a project



Effortless way to connect parts and build with the I'm a RoboScientist Kit





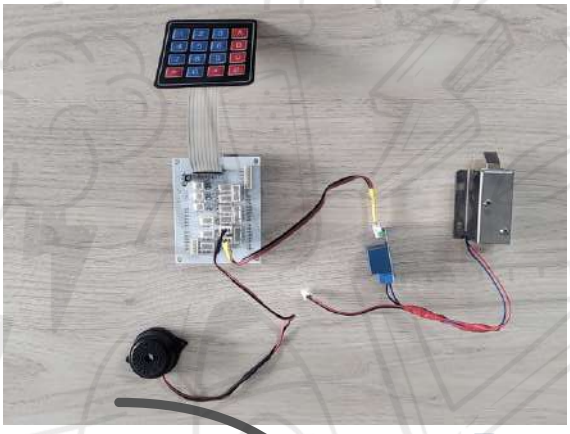


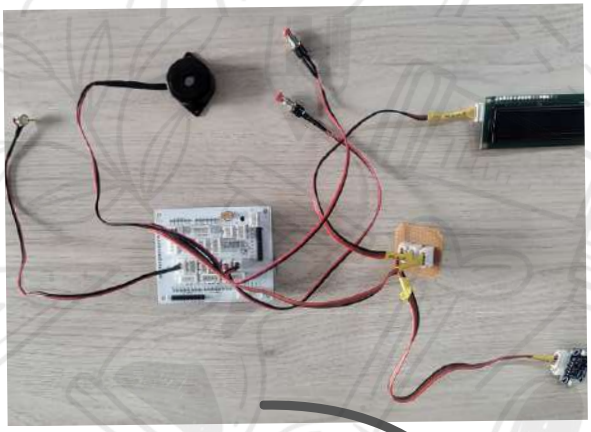
Connection made easy using RMC based plug and play components

THINK–TINKER–TRANSFORM

From ideas to innovations
Students tackle real problems

Market ready prototypes to solve realtime community problems !!





Prototype to Product

USP OF ROBOSCIENTIST

Inhouse **manufacturing**

15 years of legacy in creative pedagofy both in STEM and Robotics

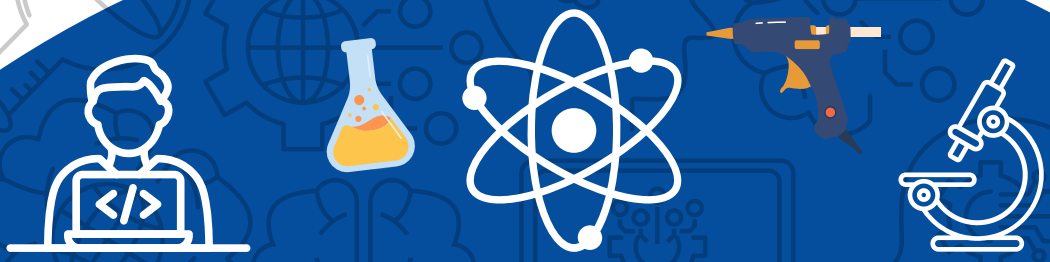
Inhouse design team to cater **customized** kits for your curriculum

Up to **50%** off for the schools for the wholesale supply

Gradewide curriculum with **200+** STEM kits

Supply to **350+** schools every year

THANK YOU



WE DON'T JUST TEACH SCIENCE.
WE LET KIDS TOUCH IT, BUILD IT,
AND OWN IT.

STEM
SCIENCE • TECHNOLOGY • ENGINEERING • MATHEMATICS

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