STEMROBO™

Innovation, Creativity & Learning

STEMROBO

IMPACTING THE FUTURE

S SCIENCE

T TECHNOLOGY

E ENGINEERING

M MATHEMATICS

IoT • Coding • Robotics • Artificial Intelligence(AI) • Machine Learning(ML) • Augmented Reality(AR) • Virtual Reality(VR)

STEMROBO TECHNOLOGIES

Innovation, Creativity & Learning

STEMROBO provides **'End-To-End Solution to K-12 Schools'** for **'Nurturing Innovation & 21st Century Skills'** among young students of age 6-18 years across the globe. We offer young students an opportunity to explore, experience and bring innovation through a world class **STEM, Artificial Intelligence, Robotics & Coding** curriculum integrated with our unique & affordable **'Technology Products and Solutions'** delivered in an online or hybrid model; thereby enabling and empowering students to be able to become **Creative - Thinkers and Problem - Solvers**.

Together, let's unlock the potential within each student, ignite a passion for Innovation, Creativity & Learning, and pave the way for a brighter tomorrow.

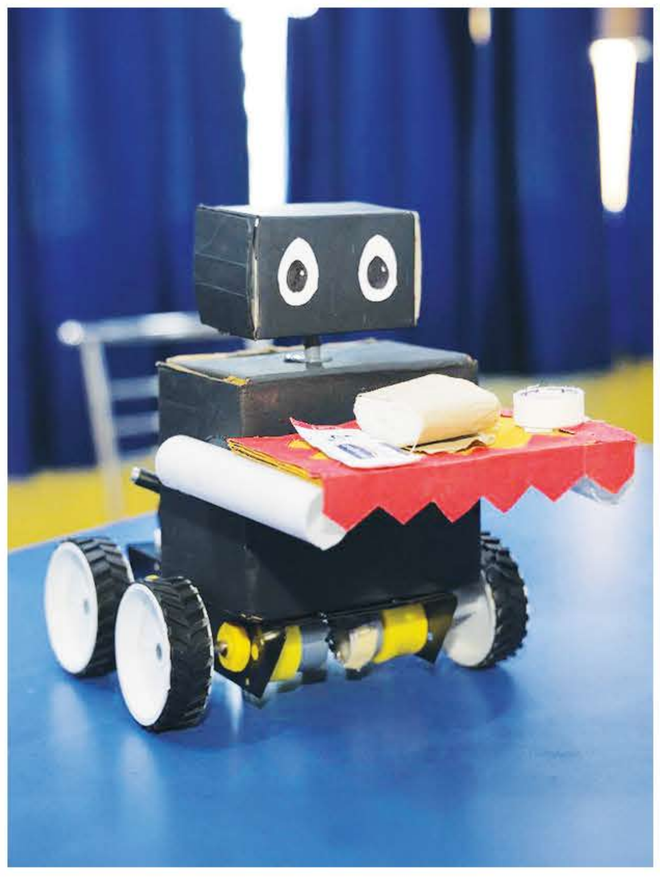
www.stemrobo.com

Vision

At STEMROBO Technologies, our vision for corporate social responsibility is to create a world where every learner, regardless of socio-economic status, has equal access to transformative education. We aspire to be a catalyst for positive change, breaking down barriers and fostering inclusive learning environments. we envision a future where education becomes a powerful force, empowering generations to thrive in the dynamic landscape of the 21st century.

Mission

We are committed to breaking economic barriers, leveling academic disparities, and ensuring access to quality education for students with different backgrounds. Through our comprehensive offerings, we aim to inspire and equip students with the tools they need to thrive in the ever-evolving global landscape and foster a future-ready generation, driving positive change through the transformative power of education.



OUR OFFERINGS FOR CSR PARTNERS

- STEM
- Robotics
- Coding
- Basic Computer Literacy
- AI & ML
- Atal Tinkering Lab

Honorable Rajat Sharma awarded us the Best CSR Implementation Partner in STEM Education.

PARTNER WITH INDIA'S LEADING BRAND

TRUSTED BY

3500+	1.5 MN+	30+	30K+
SCHOOLS	STUDENTS	COUNTRIES	TEACHERS

STEMROBO CSR

IMPLEMENTATION IMPACT SO FAR

- 30+ CSR and Corporates partnerships
- 50K+ Students empowered through CSR
- 250+ School Covered
- 5K+ Teachers Impacted
- 25K+ Login access to learning content

Pan India Presence

WHY STEM AND EXPERIENTIAL LEARNING PROGRAMS ARE CRUCIAL FOR EVERY CHILD, IRRESPECTIVE OF SOCIO-ECONOMIC STATUS AND ACADEMIC DISPARITIES

Why STEM ?

- Nurture future problem solvers.
- Unlock logical and creative mindset from young age.
- Develop innovation culture among young students across the globe.

Why Experiential Learning ?

- Engaging and reflecting on the experience
- Trying out and testing new skills and abilities
- Gaining knowledge from the experience

Why Design Thinking Approach ?

- Teaches students to question.
- Makes students open minded and flexible.
- Students can give effective reasoning for each problem.

World Economic Forum

AI will contribute to the creation of 69 million jobs by 2027.

Empowering Equality:

STEM education acts as a powerful equalizer, providing all children, regardless of socio-economic background, with the skills needed for success in a technology-driven world.

Closing Opportunity Gaps:

Access to quality STEM education reduces disparities in opportunities. By investing in STEM, you can bridge gaps in knowledge, skills, and access, ensuring that every child has the chance to explore and excel in these critical fields.

Future-Proofing Careers:

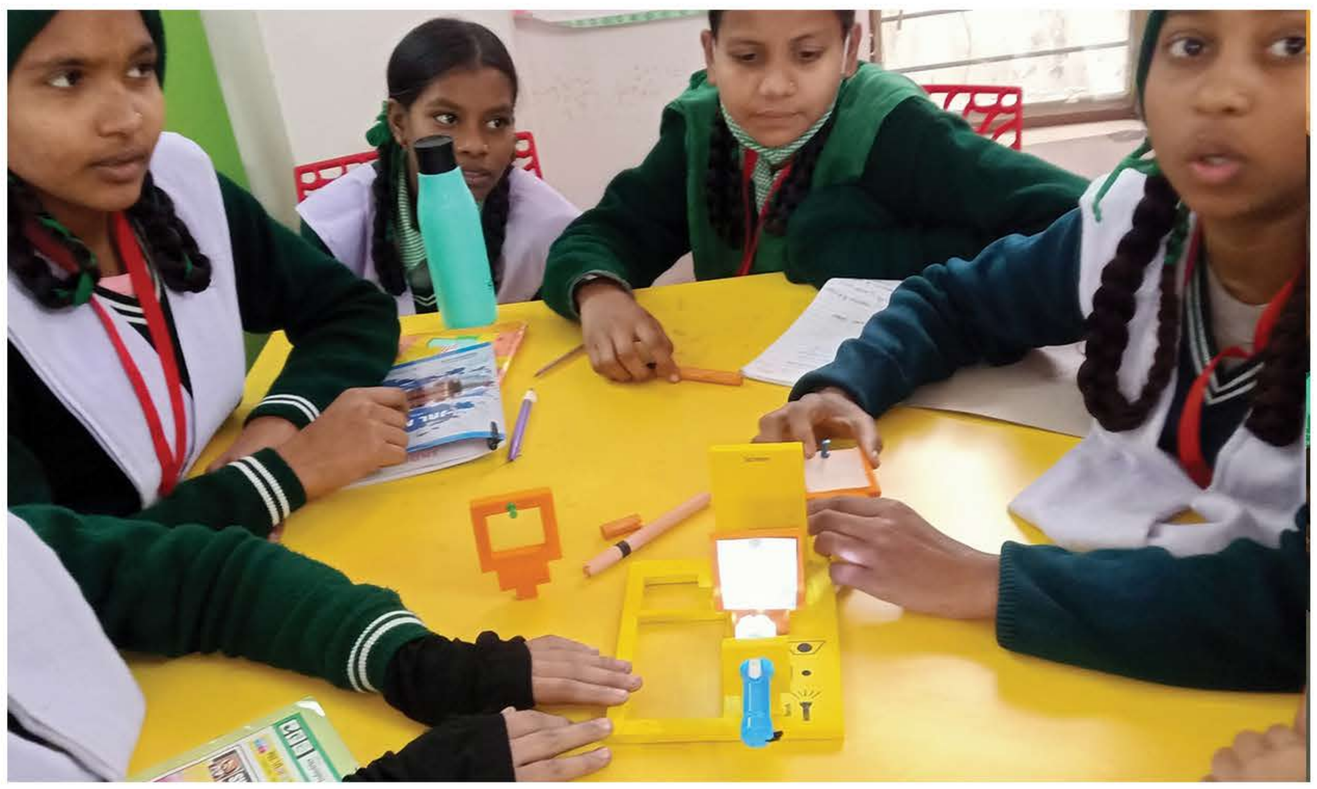
STEM skills are increasingly essential in the job market. Introducing STEM education to all children prepares them for a future where technological proficiency is a key determinant of career success, fostering economic mobility.

Social Impact and Sustainability:

STEM education is a catalyst for addressing societal challenges, including those related to sustainability and social impact. Empowering all children with STEM skills enhances our collective ability to create positive change.

Investment in Future Leaders:

STEM education is an investment in future leaders and changemakers. Providing this education universally ensures that every child has the opportunity to unlock their potential, contributing to a more equitable and prosperous world.



OUR CSR OFFERINGS FOR K-12 SCHOOLS

STEM, ROBOTICS, CODING, & AI LABS

STEM, Robotics, Coding, and AI lab setups bring cutting-edge, technology-driven learning environments to schools. Equipped with advanced robotics kits, AI tools, coding platforms, and hands-on resources, these labs enable students to tackle real-world challenges and drive innovation. Students gain essential 21st-century skills such as coding, robotics programming, game animation, and AI integration, fostering creativity, analytical thinking, and technical expertise. Our mission is to inspire the next generation of innovators by providing a dynamic, immersive, and interactive STEM learning experience.

WORKSHOPS

Our workshop program offers immersive short-term sessions in STEM, Robotics, Coding, and AI, designed to engage students in a dynamic learning experience. These interactive workshops provide hands-on activities that encourage participants to explore key concepts and develop essential skills. In addition to learning, students also engage in project-based learning, where they apply their knowledge by building real-world projects.

SCIENCE AND MATHEMATICS LAB

Science and Mathematics are the foundations of critical thinking and problem-solving, yet students often struggle to connect theory with real-world applications. We provide comprehensive Science and Mathematics lab setups to schools, fostering hands-on learning and enhancing students' understanding of core concepts. Our lab solutions include essential resources that align with the curriculum, allowing students to explore scientific principles and engage in mathematical problem-solving through practical experiments.

ATAL TINKERING LAB

ATL is a dedicated innovation and experimentation space within Indian schools, established as part of the Atal Innovation Mission (AIM) by NITI Aayog, Govt. of India. ATL aim to inspire and nurture innovation, problem-solving abilities, and technological interest among students. STEMROBO is leading edtech company to setup more than 2000+ ATLs nationwide. Our objective is aligned with this program to create an environment of innovation, creativity amongst Indian students.

OUR METHODOLOGIES

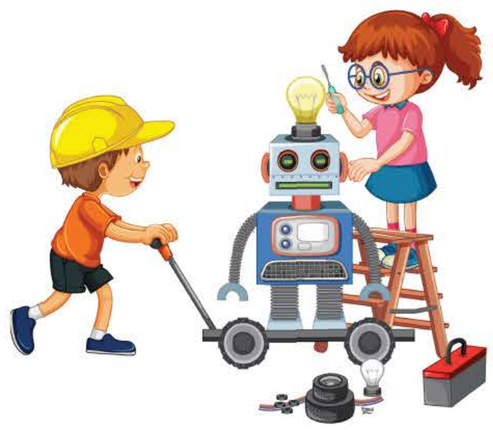
CIC Methodology and Design Thinking Approach serve as the foundational framework of all our STEMROBO programs and curriculums.

CONSUMER

Activity-based Learning (ABL)

INNOVATOR

Project-based Learning (PBL)

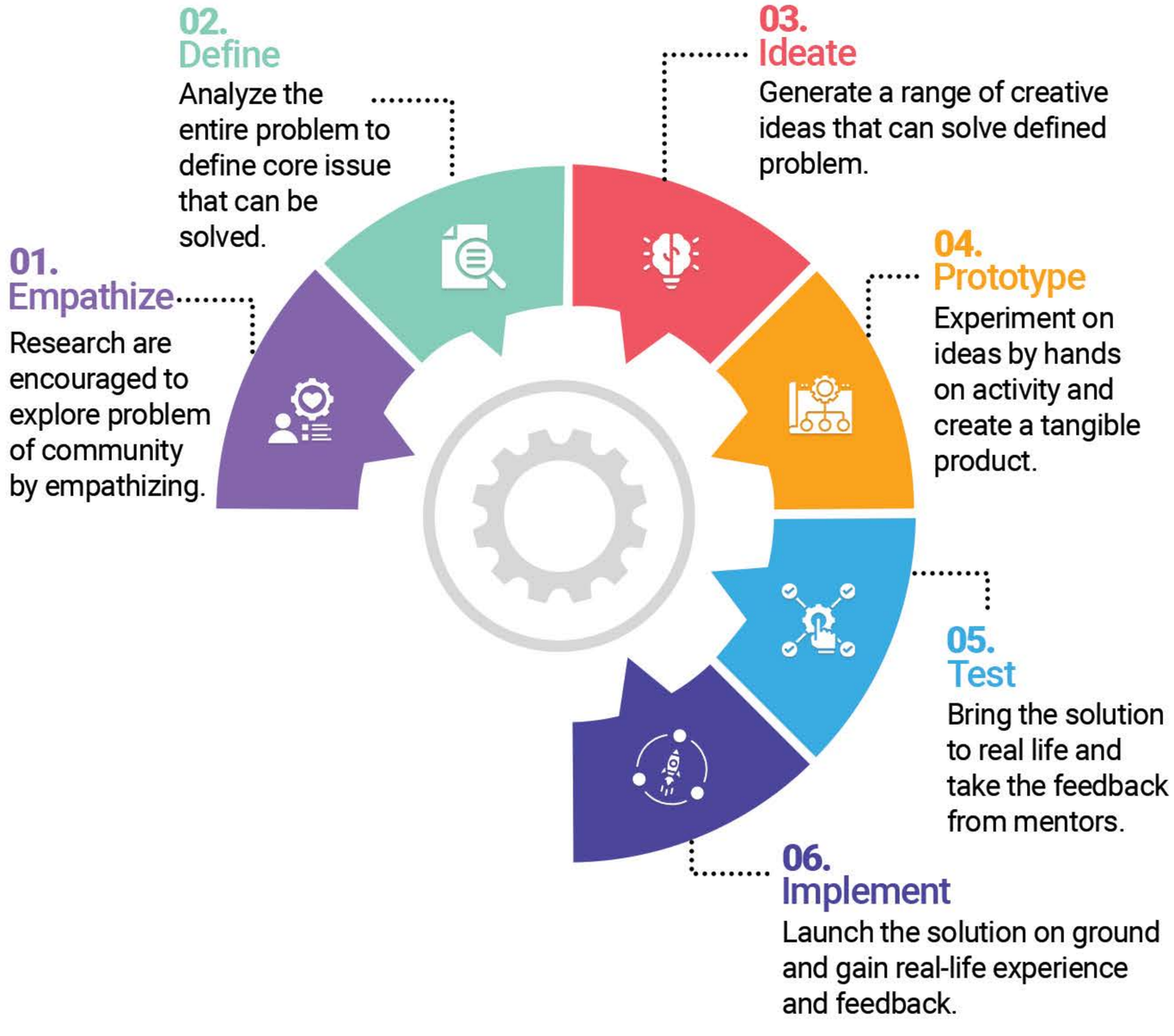


CREATOR

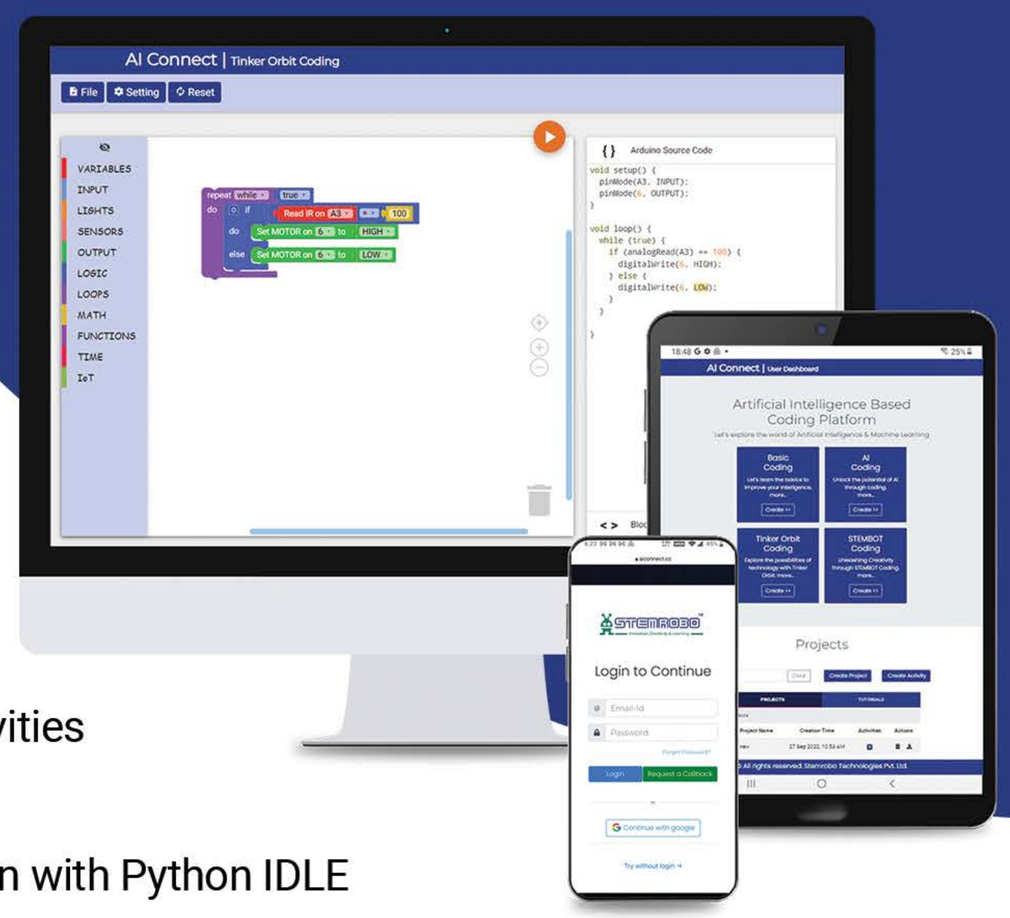
The proprietary CIC **(Consumer→Innovator→Creator)** methodology is meticulously designed to guide students through a progressive journey, commencing as consumers and advancing into **innovators** and ultimately **creators**. Students embark on their journey by engaging as consumers, working with various DIY Kits and coding platforms to perform activities crafted around real-world scenarios. This **Activity-based Learning (ABL)** assist students in ideation and growth as innovators, encouraging them to think outside the box. Ultimately, students transform into **creators**, gaining the capability to innovate and drive change in the world by addressing real-life problems aligned with **UNSDGs** through **Project-based Learning (PBL)**.

Design Thinking Approach

We foster real-world problem solvers through 'Design Thinking' integrated into STEAM education. Our curriculum encourages hands-on projects where students identify issues, empathize, brainstorm, prototype, and iterate solutions. This process nurtures creativity, empathy, critical thinking, and problem-solving skills, promoting collaboration and innovation. Students apply STEM knowledge to solve genuine challenges, preparing for impactful roles. We prioritize interdisciplinary learning, project-based tasks, and a supportive, diverse environment.



OUR SOFTWARE PLATFORMS



AI Connect

World's first unified AI & ML Coding Platform.

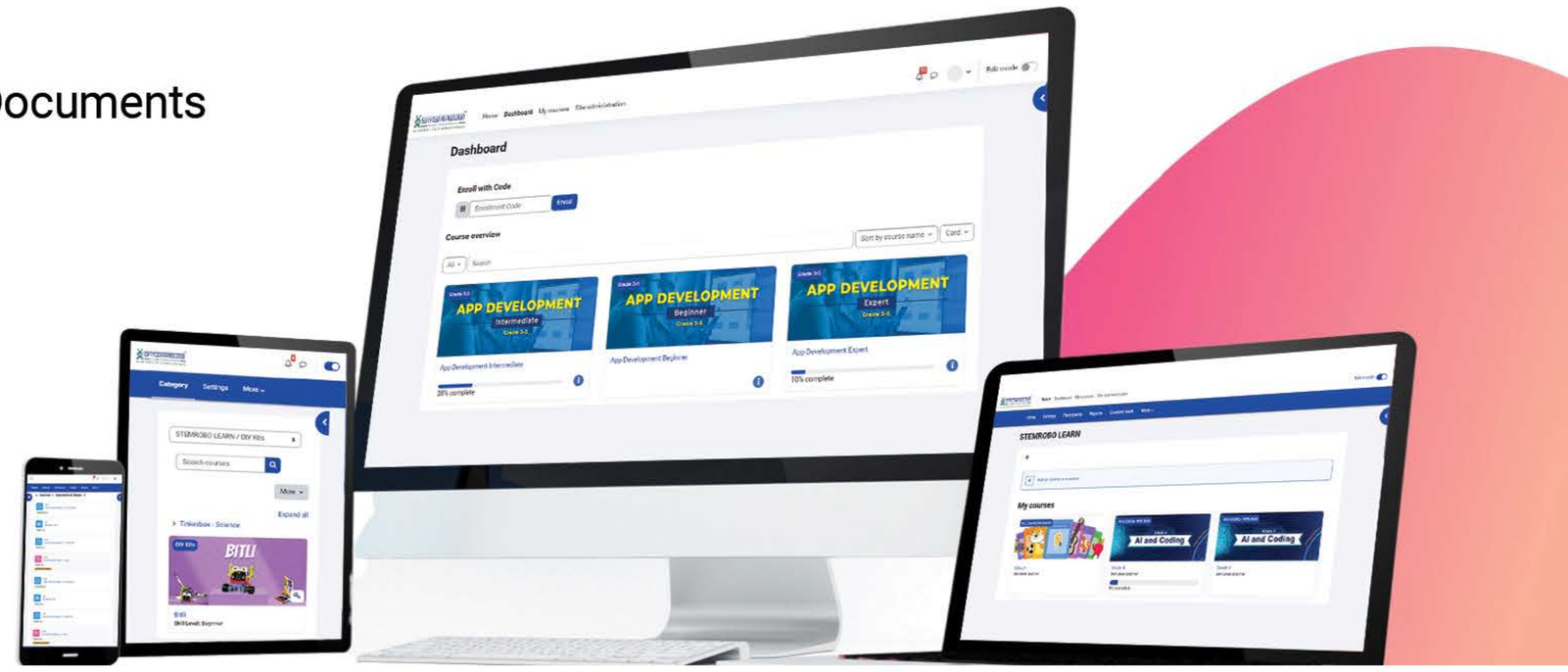
- Easy and User Friendly Interface
- Diverse Python Activities
- Block-Based Python Programming
- Seamless Integration with Python IDLE
- Block to Text Conversion
- Graphical Python Activities
- Textual to Block-Based Programming
- AI and ML Based 200+ Interactive Activities

STEMROBO LEARN / LMS

Discover the world's first Learning Management System (LMS) dedicated to STEM education. Our revolutionary LMS is designed to work seamlessly both Web and through a Mobile App, providing students with 24×7 access to interactive content. Students can engage in online live sessions, attempt quizzes and assignments, while teachers can effortlessly teach, conduct exams, and monitor students' progress. With our cutting-edge LMS, management can accurately measure the impact of the program.

On STEMROBO Learn Platform, access our online courses to guide you in the exploration of STEAM.

- Certification for Students & Teachers on completion of course
- 24 x 7 Access to Platform
- Live Session feature
- Access to Interactive Videos and Documents
- Quarterly Progress Reports
- Compatible with PC/Mobile
- Assessment at Regular Intervals



OUR
IN-HOUSE DIY KITS

Tinker Orbits

- Robotics and IoT 2-in-1 Kit which teaches electronics, AI and IoT.
- Color-coded input and output plug and play modules.
- Programmable kit that encourages creative projects.

Tinker Orbits Project Based Learning

- 13+ easy to assemble multifunctional models.
- Engaging projects around IoT and sensors.
- Develop the creative mindset in students.

Tinker 'N' Design

- Augmented Reality enabled 3D pen based prototyping kit.
- Ideal for primary students for 3D visualization.
- Ideal for training 2D to 3D modeling in math concepts.

STEAM Box Kit

- Science kit is designed to enhance creative mindset and learning approach of kids.
- Understand complex science through experiential learning approach with 20+ activities.
- Grade-wise science activities mapped with CBSE curriculum for Grade 1-10.

Fun Linker

- Enhances creativity for young learners with 240+ sticks & building blocks.
- Promotes hand-eye coordination, imagination, and logical thinking skills.
- Endless creative combinations teach spatial thinking & stimulate basic building techniques.

OUR
IN-HOUSE DIY KITS

STEAM Paper Circuit

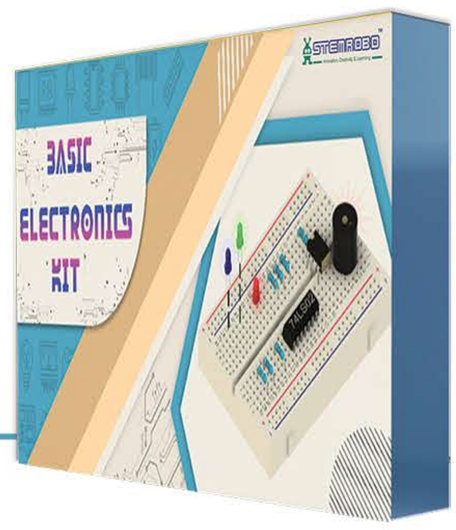
- Teaches the basics of electronics with art and creativity.
- Encourages the exploration of electronics concepts among primary students.
- Safe, user friendly kit for crafting wonderful ideas around electronics.

Mechatron

- Mechanical Construction kit suitable for children aged 6+.
- Teaches application of concepts like - force, friction, gear, motor, etc.
- 150+ parts, 20+ robotics projects, easy to assemble with guided manual.

Basic Electronics Kit

- 50+ fun filled circuit combinations with reusable electronics components.
- STEM expert-curated content for fun and practical learning of electronics circuits.
- Enables solderless circuits, simulation and realtime prototyping.



Arduino Robotics Kit

- Prototyping kit suitable for exploration of electronics and programming.
- Encourages students for DIY projects and product development.
- Robust, reusable institutional kit supported by gamified coding platform.

STEMBOT

- Empowers students with AI and ML concepts via hands-on experiments.
- Easy to program, in-built with multiple sensors and actuators.
- Easy to program via GUI based Block Coding for multiple AI projects.

OUR
IN-HOUSE DIY KITS

Pick & Place Tank

- Durable design with built-in gripper for hands-on learning.
- Used for pick & place activities and multiple competitions like Robo War.
- Visualize industrial automation through wireless programming.

Arctic 3D Printer

- Enjoy hands-on learning with our DIY IoT ready Arctic 3D Printer.
- Unleash your creativity & imagination with enormous design possibilities.
- Transform student projects with professional 3D printed prototypes.

Drone

- Easy to code, modular, open source drone for young learners.
- With DIY, experience the fun of building and learning the drone technology.
- Program your drone using GUI based IDE with sample projects.

BitLi

- Engages K-12 students in hands-on Robotics, and AI/ML projects.
- Block-based coding, curriculum-aligned, Project-based learning.
- Block-based assembly and programmable kit develops problem solving skills.

WHY STEMROBO ?

First Company to Provide End-To-End Implementation Support for the K-12 Schools & Students.

Intuitive Methodologies

Content delivery using intuitive methodologies to maximize student's grasp over concepts.

In-house R&D Team

Designs, develops and upgrades the innovative DIY kits and platforms.

200+ Engineers

Strong team of Innovation engineers and educators for on ground implementation support present across the country.

Domain Expert

Engineers for conducting webinars, workshops and providing support for advanced - level projects and innovations.

STEMROBO Learn

24x7 LMS support present with graded progressive curriculum for self paced learning to meet the need of every student.

PAN India Presence

More than 3000+ schools are associated with us across India.

Experiential Learning

Aim to nurture computational thinking with creative hands-on activities.

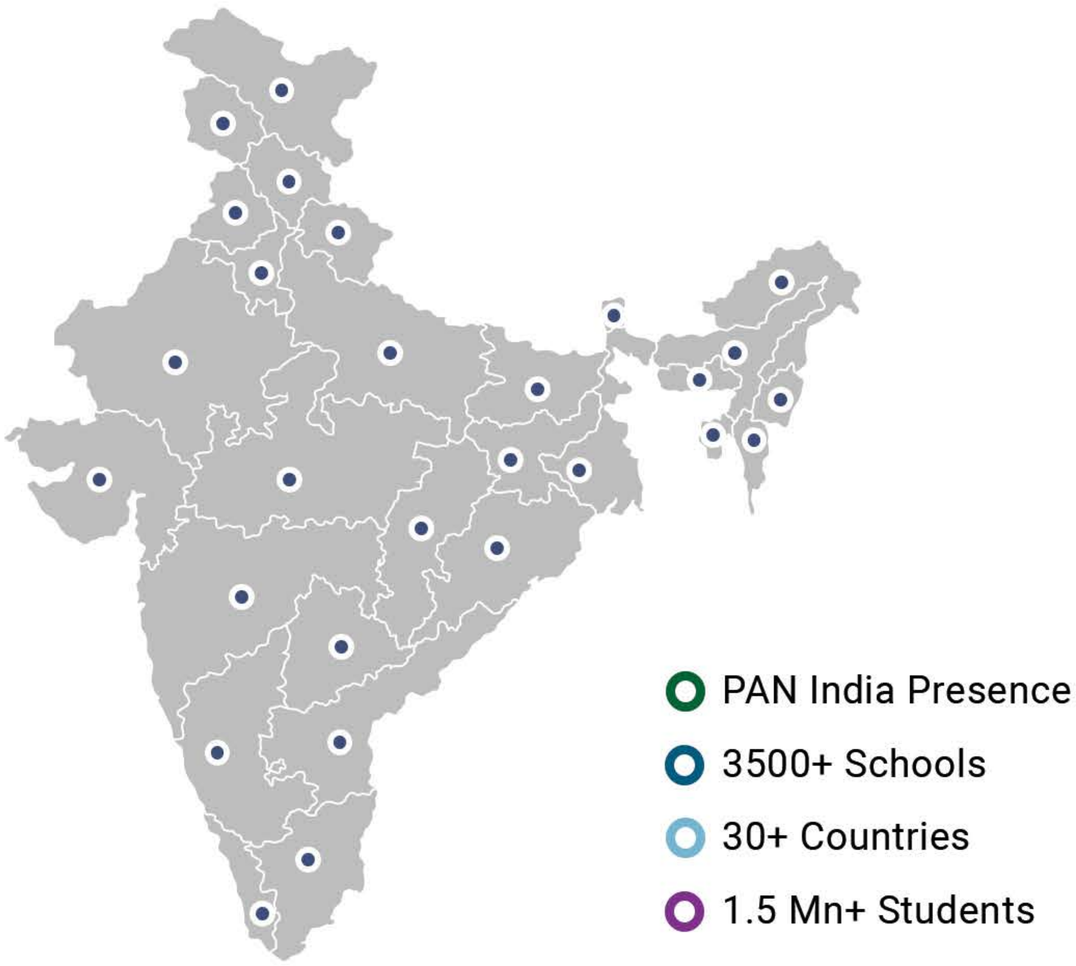
Feedback Oriented

Our programs, curriculum and execution evolve with time and customer feedback.

Quality Tested

Deliver quality in lab equipment and services that is unmatchable.

Nationwide Presence



Global Presence

Recognition & Media Coverage

& many more...

CSR Projects Implemented

unicef

adani Foundation

सेल SAIL

IBM

AIF AMERICAN INDIA FOUNDATION

GlobalLogic

अंक ANK

NAVJYOTI India Foundation Towards Self-Reliance

My उड़ान The Indian EXPRESS

bharti Bharti Foundation

FUEL Friends Union For Energising Lives

ENNOBLE

Bharat Cares

OneStage Everyone deserves equal

United Way United Way Bengaluru

DITO FOUNDATION

nirmaan.org

DRIBBLE ACADEMY FOUNDATION

SAI SWAYAM SOCIETY For the Speech and Hearing Impaired Signs. Skills. Strength

Aseema

AKANKSHA Aspire. Achieve. Be the Change.

Strategic Partners & Alliances

Electropreneur PARK
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
सत्यमेव जयते Government of India

STEM.ORG ACCREDITED EDUCATIONAL EXPERIENCE

intel

एसटीपीआई STPI Software Technology Parks of India

ESSCI Skilling India in Electronics

HCL

NASSCOM

siliconindia

AIC IIT DELHI Sonipat Innovation Foundation
NITI Aayog | AIM ATAL INNOVATION MISSION | FITT

N·S·D·C National Skill Development Corporation
Transforming the skill landscape

NSQF stands for National Skills Qualification Framework

Skill India
कौशल भारत-कुशल भारत

EVENTS

STEMROBO implementation partner with Ank Foundation and GlobalLogic for nurturing innovation and creativity in young minds and Impart training to the students and preparing them for the 21st Century.

Representing India at CeBit, Germany

STEMROBO is proud to set up the state's first robotics lab inaugurated by Shri Shashank Shubhankar, District Collector

Recognition by SIS founder & M.P.

Featured in "STARTUP NATION" on CNBC Awaaz

With industry Leaders at TiE Global Summit

STEMROBO has been honored as one of the Top Startups in Uttar Pradesh by the esteemed Governor of UP, Hon'ble AnandiBen Patel.

STEMROBO invited to the prestigious Delhi NCR Innovation Cluster Summit at IIT Delhi, where we stood out among 5000 startups and were selected as one of the top 25!

STEMROBO Girls participating at "The Game Changers Coalition" Hackathon in collaboration with UNICEF and ANK Foundation.

India International Science Festival (IISF) 2022 at MANIT Bhopal.

STEMROBO Director Mr. Anurag Gupta has been invited to #IIT Kanpur as a guest speaker on #Robotics and #AI!

Education Excellence Conclave, held in Ahmedabad, India.

Indian ASEAN Startup Summit 2023 Malaysia

GLIMPSE OF STUDENTS IMPACTED THROUGH OUR CSR PROJECTS

My Udaan Trust

Ank-Global Logic

GLIMPSE OF STUDENTS IMPACTED THROUGH OUR CSR PROJECTS

Adani Foundation

Sai Swayam

UNICEF

STEMROBO™

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Scan QR Code to
Visit Our Website

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