MAKEBOT
STEAMing THE NATION

ISPL
INDIAN STEAM
PREMIER LEAGUE

makeblock

MAKEX
WORLD ROBOTICS CHAMPIONSHIP 2023

ABOUT MAKEX

About Us

MakeX is a robotics competition platform that promotes multidisciplinary learning within the fields of science and technology. It aims at building a world where STEAM education is highly appreciated and where young people arepassionate about innovation by engaging them in exciting Robotics Competition, STEAM Carnival, etc. As the core activity of MakeX, the namesake MakeX Robotics Competition provides exciting, challenging and high-level competitions in the spirit of creativity, teamwork, fun and sharing. It is committed to inspiring young people to learn Science (S), Technology (T), Engineering (E), Art (A) and Mathematics (M) and apply such knowledge in solving real-world problems.

MakeX Vision

We envision a world where STEAM education is celebrated by all where young learners keep exploring, solving new challenges, are driven by passion and excitement for science and technology.

MakeX Mission

Is to inspire people to solve real world problems through research, exploration and innovation thinking.

MakeX Spirit

Creativity

We advocate Creativity

Teamwork

We promote Teamwork

Fun

We belive in having Fun

Sharing

We encourage Sharing

MakeX Championship 2023

MakeX National Championship

MakeX is an international robotics competition and education platform that promotes multidisciplinary learning within the fields of science and technology.This is a National competition where all teams from different regions of India will compete. Winners of the competition will get a chance to represent India at International platform.

MakeX Asia Cup (Bilateral Series)

Makex Asia under the Makex banner is a platform, where children get the opportunity to play, learn, share and exchange ideas, knowledge, technology and creativity with participants all over the world. It is a curated program on Robotics where children work as a team to solve real life challenges in a competitive framework.MakeX Asia Competition is an extension of Makex where children opt to travel outside their comfort zone and play the game of Robotics with international participants.

MakeX 2023

- 20TH JULY, 2023 — SCHOOL APPLICATION OPENS
- 15TH AUG, 2023 — STUDENTS TRAINING BEGINS
- 01ST OCT, 2023 — CODINGBEE ONLINE TEST
- 15TH OCT, 2023 — CODINGBEE MAKEX SCHOOL CHAMPION-SHIP
- 17TH NOV, 2023 — ABU DHABI CHAMPION-SHIP
- JAN, 2024 — CODINGBEE CHAMPION-SHIP & AWARDS

Global Impact

60+	300+	20,000+	100,000+	2000W+
Countries	Cities	Teams	Contestants	Online Viewing

*Tentative dates

MakeX Championship Guidelines

2023 MakeX Starter Zero Carbon Competition

Age category - 6 to 13 years
Team size - 1 to 2 students

The kit includes basic electronic parts such as mCore Main Control Board, two 130 High speed DC Motors, a 9g Metal Servo, a Me Line Follower, a color sensor, a LED Matrix, a Bluetooth Controller, an Audio Player and enough mechanical parts which put endless possibilities into the hands of contestants.

2023 MakeX Explorer Eco Pioneer Competition

Age category - 8 to 15 years
Team size - 2 to 4 students

The kit contains two 180 Smart Encoder Motors, two high speed DC motors, Smart servos, sensors, mechanical parts as well as cyberpi board with shield Main Control Board, which unblocks the potential of the motors and servos.

2023 MakeX Challenge Energy Innovator Competition

Age category - 11 to 18 years
Team size - 2 to 8 students

The kit contains four 180 Smart Encoder Motors, two Smart servos, six 37mm DC Motors, mechanical parts as well as NovaPi Main Control Board with dierent sensors, which unblocks the potential of the motors and servos.

2022 MakeX Starter Zero Carbon Competition

Age Category – 6 to 13 Years

MakeX Starter Arena Kit

Starter Kit Arena without frame – INR 24000*

Starter Kit Arena with frame – INR 42000*

MakeX Starter Arena

- **Team Size:** 1-2 Student(s) with 1-2 mentor(s)
- **Competition Rounds:**
  Round 1 qualifying matches
  Round 2 championship matches
- **Robot Size:** L28cm, W28cm, H30cm
- **Match Time:** 240 seconds
  Automatic Stage +Manual Stage = 240 seconds
- **Competition has 8 mission**
- **Focus on logical ability**
- **Pre-requisite :** Basic understanding of programming language (Scratch)

MakeX Starter Kit

- **Kit is based on mBot2 Robot**
- **Basic level coding on Scratch**
- **Mission complexity is medium**
- **Learning materials will be provided:**
  Competition Guide
  Technical Guide
- **Benefits/learnings - MakeX Starter Zero Carbon Competition:**
  Logical thinking
  Strategic teamwork
  Problem solving ability

MakeX Starter Kit

Starter Kit – INR 49990*

Program	MakeX Starter	Theme	Zero Carbon	Equipment	mbot2 &add-on packs
Type	Multiple Mission Competition	Age	6 - 13	Difficulty Level	★☆☆☆

*All prices are exclusive of taxes

2022 MakeX Explorer Eco Pioneer Competition

Elementary group - 8 to 13 years
Junior High group - 11 to 15 years

MakeX Explorer Arena Kit

Explorer Kit Arena(Practice Kit) – INR 63900*

MakeX Explorer Arena

- **Team Size:** 2 - 4Student(s) with 1-2 mentor(s)
- **Competition Rounds :**
  Round 1 qualifying matches
  Round 2 Knockout matches
  Round 3 championship match
- **Robot Size:** L32cm, W32cm, H36cm
- **Match Time:** 240 seconds
  Automatic Stage + Manual Stage = 240 seconds
- **Focus on logical ability**
- **Pre-requisite :** Basic understanding of programming language (Scratch)

MakeX Explorer Kit

- **Kit is based on cyberpi device**
- **Basic level coding on Scratch**
- **Mission complexity is high**
- **Learning materials will be provided:**
  Competition Guide
  Technical Guide
- **Benifits/learnings - MakeX Explorer Kit Carbon Competition:**
  Competition Guide
  Technical Guide

MakeX Explorer Kit

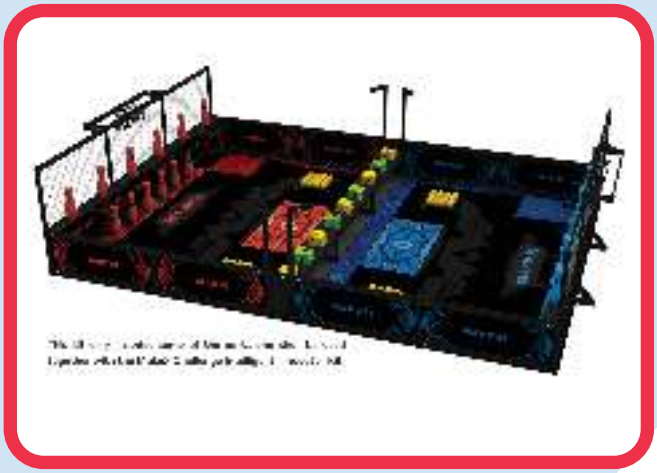
Explorer Kit – INR 76900 *

Program	MakeX Explorer	Theme	Eco Pioneer	Equipment	Competition kit
Type	Confrontation Competition	Age	8 -15	Difficulty Level	★★☆☆

*All prices are exclusive of taxes

2022 MakeX Challenge Energy Innovator Competition

Age Group – 11 to 18 Years



MakeX Challenger Arena Kit

Challenger Kit Arena – INR 1,53,990 *

MakeX Challenger Arena

- **Team:** 2-8 Students with 1-2 mentor(s)
- **Process:**
  Four rounds qualifying match
  Knockout match
  Championship match
- **Robot Size:** L50cm, W50cm, H50cm
  (Unlimited height after modification stage)
- **Match Time:** 280 seconds
  Automatic stage: 30 seconds
  Manual stage: 100 seconds
- **Modification stage:** 60 seconds
- **Final stage:** 90 seconds

MakeX Challenger Kit

- **Kit is based on Nova Pi board**
- **Advance level coding on Scratch**
- **Mission complexity is high**
- **Learning materials will be provided:**
  Competition Guide
  Technical Guide

MakeX Challenger Kit

Challenger Kit – INR 1,66,000*

Program	MakeX Challenge	Theme	Energy Innovator	Equipment	Competition Kits
Type	Confrontation Competition	Age	11-18	Difficulty Level	★★★☆

*All prices are exclusive of taxes

Application process for MakeX competition

Schools can nominate multiple teams **One mentor can create/manage multiple teams**

Rewards & Recognitions

- **International exposure**
- **Certifications, medals & trophies**
- **Premium award categories**
  Participant's Award
  Mentor Award
- **International trip with Edu exchange program**
- **Media recognition to winners**
- **Over 12+ awards categories**

Student's Learning Curve

- Introduction of project based learning
- Elements of STEAM, integrated with competition theme
- Practice hands-on experiential learning
- 21st century Skill development
- International exposure with students from 100+ countries
- Opportunity to represent at global forum

Mentor's Role

- Act as guide to teams which participate in MakeX
- Work with teams to solve missions
- Motivates team for competitions
- Help in creating technical document
- Provide support during practice matches
- Accompany teams in regional, national & international matches

How to participate in MAKEX World Championship

- Register your teams on MakeX India Portal
- Join practice sessions
- Reach out to online MakeX Community (Optional)
- Participate in any competition
- "Join over 100+ countries" Students in World Championship

School's Registration

Inclusions: School will conduct robotics championship

- **MakeX Kits (Inspire Series) – 2 Nos.**
- **MakeX Arena with Frame (Inspire Series) – 1 Nos.**
- **Teacher's Training – Online (2 Days)**
- **Standee (1), Banner (1) with School Logo.**
- **Certification (Official School Partner For CodingBee MakeX 2023)**

School's Registration: INR 99,000 + Taxes (Per School)

Steps to follow post School Registration

- Step 1: **Schools will start student's registration from Grade 3 to Grade 8.**
- Step 2: **Student will register on portal by paying fee of INR 2,000 per student.**
- Step 3: **School will start training to registered students on CodingBee MakeX by school trainer.**
- Step 4: **Makebot will conduct CodingBee online test for registered students.**
- Step 5: **Total of 20 students will be shortlisted and compete for school championship.**
- Step 6: **Top 2 winners will represent 'Team India' and go for World Robotics Championship.**

World Robotics Championship: Abu Dhabi (17-20 Nov, 23)

- **Only winning teams (2 Nos.) from school are eligible to travel to World Championship.**
- **The teams will be travelling on self-sponsorship.**
- **All prize money (on winning) will be given directly to students.**
- **Winning teams are eligible to carry school's kit along with for World Championship.**
- **Cost of travel package will be communicated to winning teams individually.**


ABU DHABI

Codingbee MakeX Championship: India (Jan '23)

- Only top 10 teams from school are eligible to participate in National Championship.
- The teams will be travelling on self-sponsorship.
- Participating teams (apart from top 2) may have to purchase additional competition kits.
- Cost of individual kit will be INR 25,000.
- Registered school will be recognised during National Championship Awards.

Support by Makebot

- Makebot will support schools to conduct internal championship and shortlist top 2 winners.
- Makebot will provide registration portal for parents to register students for competition.
- All registered students will be given training on school's kits and arena by school teacher.
- Training of school teacher will be conducted by Makebot.
- All to student content will be provided by Makebot for Codingbee Online Test.
- Certification to all registered students will be provided by Makebot.

About **MAKEBOT**

Makebot is a leading STEAM education provider offering new age experiential learning for students in the age group of 6 years and above. Makebot STEAM learning programs include robotic kits, AI programming, IOT applications, multi-year curriculum, activity worksheets, STEAM-design lab setups and digital learning platform. Makebot also offers STEAM learning program for teachers in both classroom and in the online model.

Makebot Robotic Solutions Pvt. Ltd. is an education arm of Globalspace Technologies Ltd., founded in 2010 and is listed on the Bombay Stock Exchange (BSE: GSTL).

Makebot is the sole organizer of MakeX Robotics Championship – India, in association with Makeblock.

About **MAKEBLOCK**

Makeblock Co., Ltd, founded in 2013, is a global leading STEAM education solution provider. Targeting the STEAM education and entertainment markets for schools, educational institutions, and families, Makeblock provides comprehensive hardware, software, content solutions, and is a platform for top-notch robotics competitions, which aims of achieving deep integration of technology and education.

About **ISPL**

Indian STEAM Premier League is a competition-based format that develops and evaluates 21st-century skills of children through a year-long journey. ISPL is a multi-level league where students go through numerous rounds of evaluation including STEAM Aptitude test, STEAM projects and international events like MakeX. MakeX 2019 was successful event under ISPL.

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