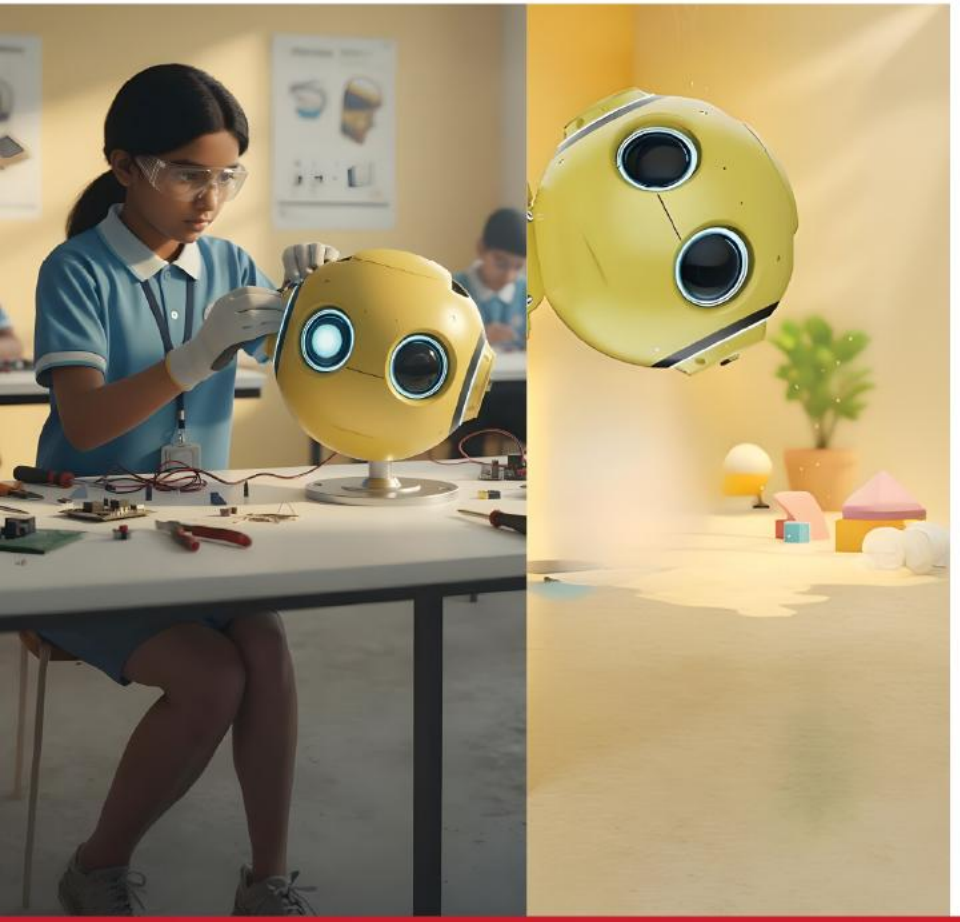
AI & Robotics for All

Learn with Fun



MoD GLOBALS

Are You Ready to Join Our Robotics Course !

Learn with us : Robotics, Coding & AI

modglobals.com

Course Information

- Program Name : Zero To One Robotics
- Course Code : MGRC01
- Course Duration: 3 Months
- Total Class : 12
- Class Durations : 2 hour
- Class Schedule : One class per week / Friday
- Course Fee : 6000 TK
- Admission Fee: 200 TK

রোবটিক্স ও এআই শিখুন !

সীমিত আসনে ভর্তি চলছে

রোবটিক্স এবং এআই শেখার পূর্ণাঙ্গ প্রোগ্রাম

রোবটিক্স লার্নিং প্রোগ্রামে যা যা থাকছে !

-প্রোজেক্ট ভিত্তিক রোবটিক্স ও এআই শেখার সুযোগ
-কোডিং ও আইটি হাতে কলমে প্রশিক্ষণ
-রোবোটিক্স প্রাক্টিক্যাল ক্লাস
-ইন্ডাস্ট্রিয়াল প্রজেক্টে কাজ করার সুযোগ
-জাতীয় ও আন্তর্জাতিক রোবটিক্স কম্পিটিশনে অংশগ্রহণের সুযোগ
-ইন্ডাস্ট্রি ভিজিট এবং প্রফেশনাল কানেকশন
-বিদেশে উচ্চশিক্ষার ও ইঞ্জিনিয়ারিং ক্যারিয়ারের প্রস্তুতি

Robotic Course: Fees

PAYMENT POLICY

If you pay the full course fee at one time, the admission fee will not be required.

1st Installment Payment

Admission Fees:	200TK
Robotics Course Fees:	3,000TK
Sub Total	3,200TK

2nd Installment Payment

Robotics Course Fees:	3,000TK
Sub Total	3,000TK

Why This Course?

- Builds a strong foundation in robotics, electronics, and coding
- Focuses on hands on learning, not only theory
- Helps students develop logical thinking and problem-solving skills
- Prepares students for advanced robotics and engineering pathways
- Gives early exposure to modern technology and STEM fields
- Improves confidence, teamwork, and practical skills
- Connects learning with real world applications
- Provides a clear pathway to competitions, projects, and future careers

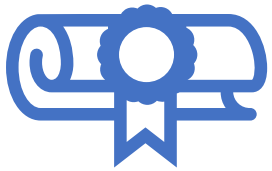
Progression and Opportunities

Students who successfully complete all prerequisite courses and demonstrate strong performance will receive advanced opportunities, including:

- Guidance and support to participate in **national and international robotics competitions**
- Opportunity to work on real world **industrial robotics projects**
- Exposure to **industry visits** and collaborative activities
- Access to professional mentorship and **industry connections**
- Preparation for **engineering** and technology focused career paths
- Hands on experience in real problem identification**, research**, and solution development

This structured learning pathway is designed to move students from basic knowledge to real world application and professional readiness.

Certification and Awards



All students who successfully complete the Basic Robotics course will **receive a course completion certificate.**

In addition, the best performing group will be **awarded a first prize medal and will receive a scholarship for the next level robotics course.**

This recognition is based on project **performance, teamwork, and overall evaluation** during the course.

Course Objectives

This course is designed to:

- Introduce students to the basics of robotics and modern technology
- Build a strong foundation in electronics and programming
- Help students understand how robots work in real life
- Develop logical thinking and problem-solving skills
- Encourage hands on learning through lab-based activities
- Prepare students for advanced robotics learning and competitions

Learning Outcomes

After completing this course, students will be able to:

- Explain basic robotics concepts in simple terms
- Identify and use common electronic components
- Build simple electronic circuits safely
- Write basic programs using block and text coding
- Use Arduino to control sensors and motors
- Build and demonstrate a basic working robot
- Work confidently in a robotics lab environment
- Take the first step toward advanced robotics and STEM careers

Course Outline

Week	Topic	Activity	Assessment
1	Introduction to Robotics	Identify robot components	Regular Class
2	Introduction to Basic Electronics	Learn electronics by building simple circuits.	Regular Class
3	Introduction to Arduino	Set up Arduino and run the first program.	Short Quiz
4	Programming Basics	Practice basic coding using block and text methods.	Regular Class
5	Sensors and Modules Basics	Work with sensors and modules through hands on practice.	Regular Class
6	Basics of Motors and Movement	Control motors and movement using Arduino.	Short Quiz
7	Lab Class Project Build	Begin building a basic robot project.	Lab Class

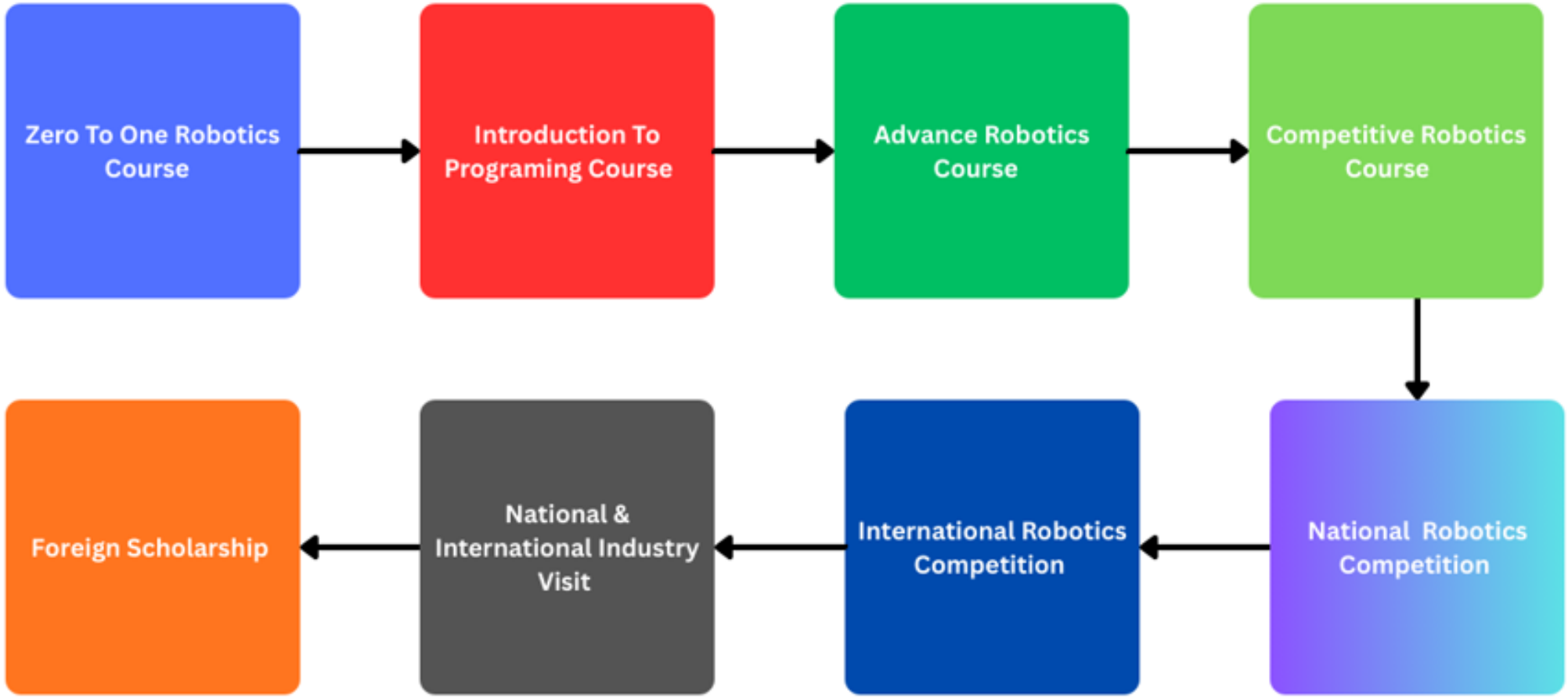
Course Outline

Week	Topic	Activity	Assessment
8	Assessment Day	Complete written and viva assessment.	written and viva Exam
9	Project Idea and Proposal	Finalize project idea and submit project proposal.	Lab Class
10	Final Project Development	Develop the final project.	Lab Class
11	Final Project Development	Test and debug the Final project.	Lab Class
12	Project Submission and Presentation	Showcasing the Final Projects	Final Presentation

Evaluations

SL	Assessment	Mark Percentage
1	Class Quiz's	10 %
2	Lab Task	10 %
3	Written Exam & Viva	30 %
4	Final Project	50 %

What Next ?


Zero To One Robotics Course
Introduction To Programing Course
Advance Robotics Course
Competitive Robotics Course
National Robotics Competition
International Robotics Competition
National & International Industry Visit
Foreign Scholarship

Meet With the Mentors

MEET WITH MENTOR

Sanjit Mandol

Robotics Expert, 15 years of experience in robotics & automation. Regional Champion, NASA Space Apps Challenge 2018. Built Bangladesh's first 3D printed advanced humanoid robot NIKO. Author of Basic to Advanced Robotics book.

Sajib Roy

Industry Expert.More than 8 years of professional experience in Govt Agencies: ICT Division & Cabinet Division, UNDP Bangladesh & private sectors as well. Expertise in project to product development also strong background in industry collaboration and national and international resource mobilization.

Meet With the Mentors

Bortoman Das

AI Expert, 3 years of experience in AI research, machine learning, and programming. Experienced in Python and data analysis.Passionate about developing intelligent systems and innovative solutions. Achieved Vice Chancellor Award for Best Academic Research.

Md. Kayum Khan

Expert in Commercialization and Partnerships. Key contributor to business development and strategic collaborations. Experienced in youth engagement and national & international networking. Skilled in building industry connections and promoting innovative initiatives.

MoD Globals

Passion to Grow

Our Portfolio

modglobals.com
modglobals@gmail.com

Our Portfolio

ACADEMY

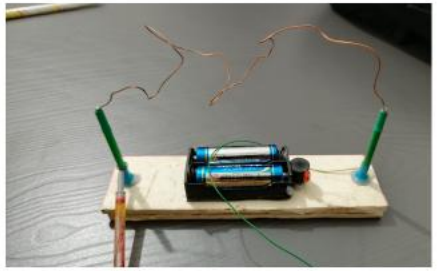
AI & ROBOTICS LAB

MoD eShop

B2B Digital Service

Our Initiatives

Customize & Mini Robot



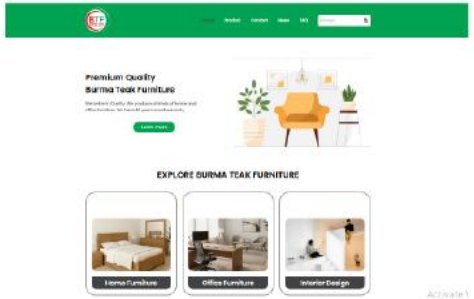
IoT Based Focus Challenge Game

AI & Robotic Hackathon

Basic To Advance Robotic Course

Robotic Equipments

Sensor Photoframe



Web Design & Development

AI Contents

SAM TRAVELS
Yearlong Strategic Communication Plan

Branding & Strategy

Our Product & Services

Our Client & Partners

ScooterPoint

SALES POINT

Hero AB AUTO TRADERS-3

Clients

CHANNEL i

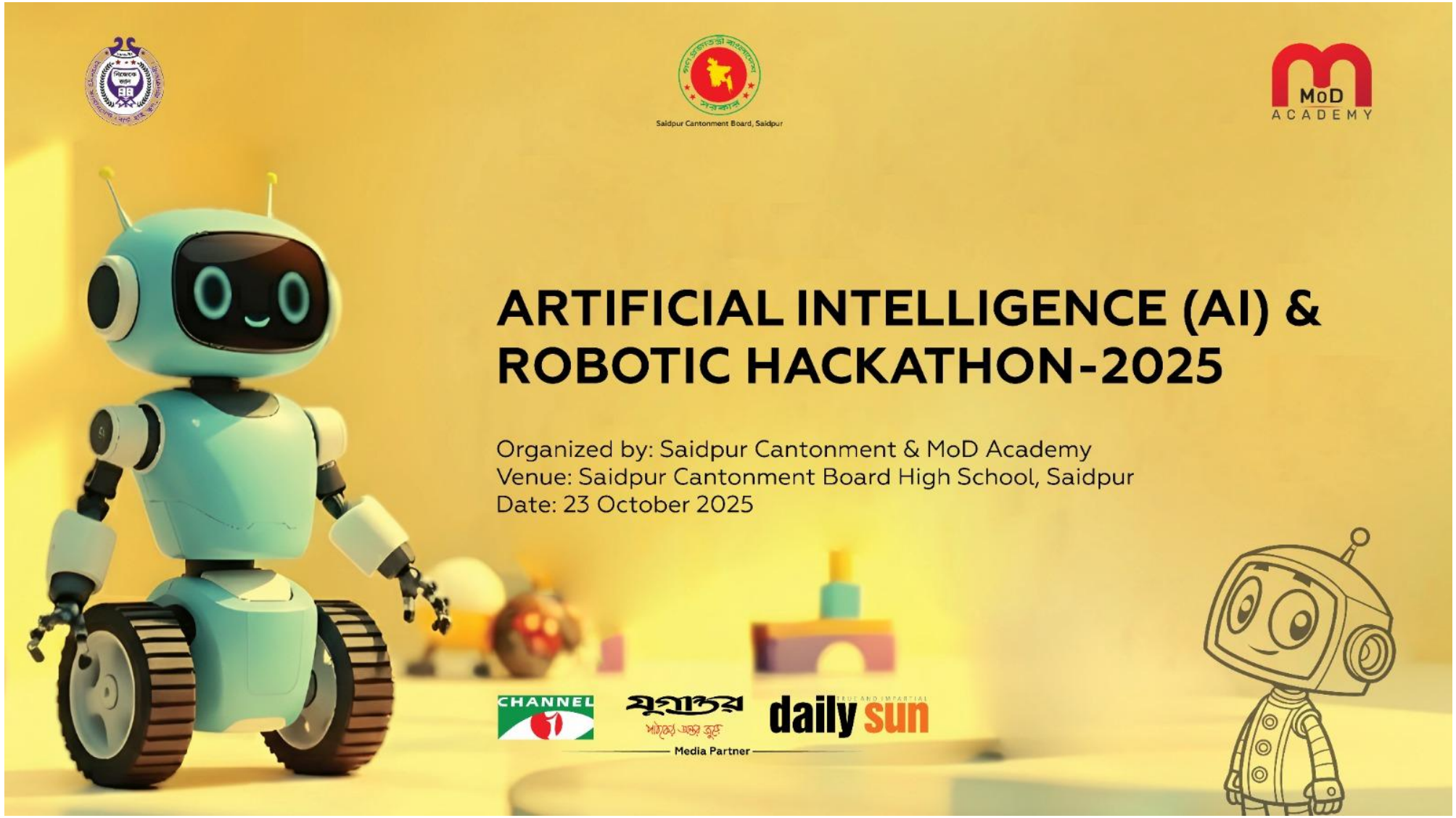
যুগান্তর

পাঠকের অন্তর জুড়ে

daily sun

TRUE AND IMPARTIAL

Partners



MoD Globals at a Glance

20+ Innovation Project, 1000+ Students

AI & ROBOTIC HACKATHON-2025


সৈয়দপুর ক্যান্টনমেন্ট বোর্ড হাই স্কুল
AI & ROBOTIC HACKATHON-2025

AI & ROBOTIC HACKATHON-2025

Organized by: Saidpur Cantonment Board & MoD Academy
Venue: Saidpur Cantonment Board High School, Saidpur
Date: 23 October 2025

Thank you