



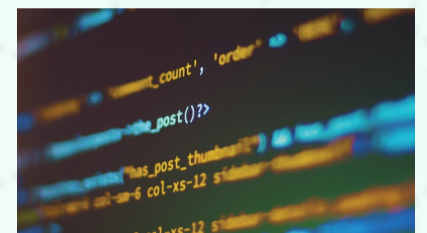
# AI SOCCER

## AI Soccer

- Educational but entertaining game developed by KAIST
- Control of robot player and game strategy implemented by coding based on AI and exciting matchup between users in the league
- Ideal platform to learn AI and coding



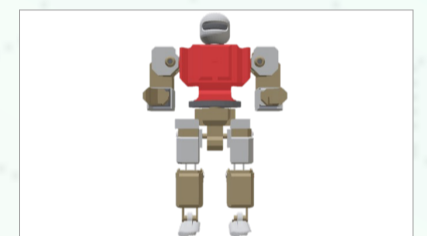
Block Coding



Python Coding



Cube Robot



Humanoid Robot

## Key Features

- Rich contents for learning AI and coding
- Automatic conversion of block code to Python code to join league
- Expert system and deep learning contents
- Official game in International Robot Olympiad (IRO)
- Contents for elementary, middle, and high school students
- Coding game strategy and competing against the opponent's code

## AI Soccer field



## For Education and Entertainment...

- Exciting movement of robot players
- Cube robot and a suite of Humanoid robots
- Solving mini-tasks with block and Python codes to prepare for ultimate matchups
- My own league to prepare games with users

## AI Soccer History



KAIST AI World Cup Competition since 2018



WCG 2019 Xi'an AI Masters



Samsung Electronics AI World Cup Competition



IRO Domestic & World Competition



IRO World Congress 2023 (Phuket)



# AI SOCCER

## Educational Contents

- Premium educational contents prepared by KAIST
- Easy-to-follow expert rules and very educational deep learning techniques



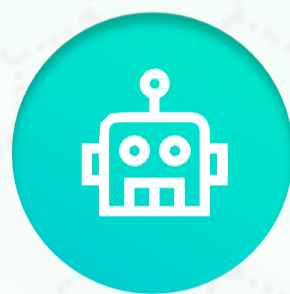
### Rule-Based

Create expert rules for robot movements



### Learning-Based

Train the robot's actions using deep learning algorithms



### My Own League

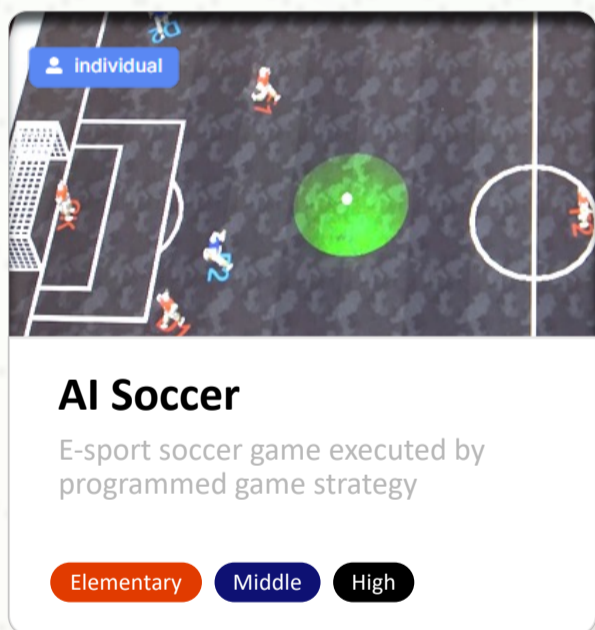
Develop your unique coding strategies and prepare for league



### League

Compete against other users to determine ranking and earn rewards

## AI Soccer Game



E-sport soccer game executed by coded game strategy, using AI technology

Target	Elementary school, middle school, high school students
Composition	Between user codes or between computer code and user code
Method	On-line coding
Judging Criteria	Competition with other users to determine ranking

## Platform Structure Diagram

