For Grade - 4th

الإمتحان
TEST,SET,GO!

Presented by **Al imtehaan**

Learn From The Best!!

IIT BOMBAY

INDIAN INSTITUTE OF MANAGEMENT CALCUTTA

IIT DELHI

All India Council for Technical Education

DBS Dublin Business School excellence through learning

#startupindia

aws

Powered by

STEM.ORG ACCREDITED™ EDUCATIONAL EXPERIENCE

IIML-INCUBATOR IIM LUCKNOW *Innovating the future*

IIM LUCKNOW

Powered by **APTCODER**

aptcoder® access the potential

For Grade - 4th

الإمتحان
TEST,SET,GO!

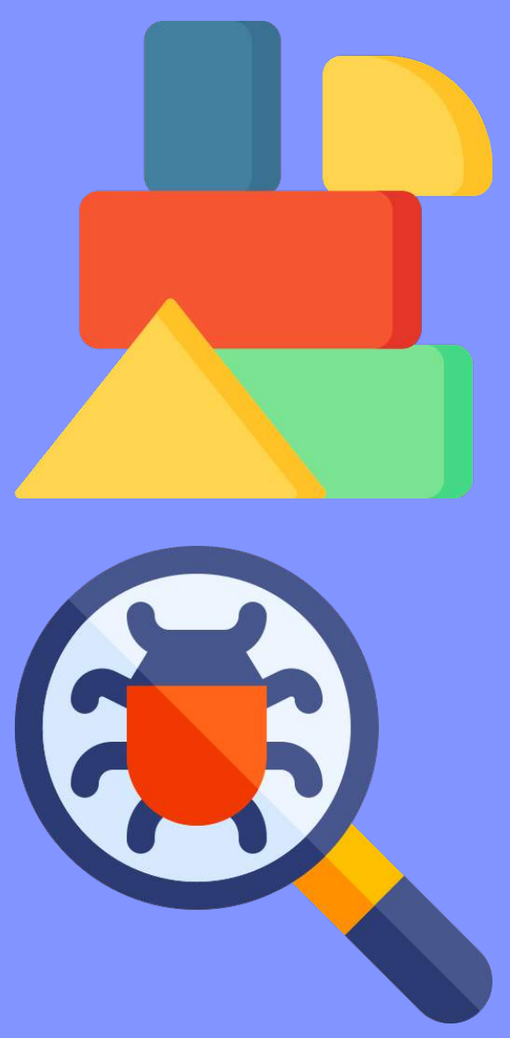
10 Lectures

Presented by **Al imtehaan**

Course Outline

Advanced Block Coding

- Reviewing block coding concepts
- Creating more complex projects and simulations
- Debugging code and troubleshooting errors
- Creating More Complex Scratch Projects



Introduction to HTML and CSS

- Understanding Web Design Concepts
- Creating Basic Web Pages Using Block Coding

- Adding Interactivity to Web Pages Using Block Coding
- App Development

Powered by **APTCODER**

aptcoder® access the potential

For Grade - 4th

الإمتحان
TEST,SET,GO!

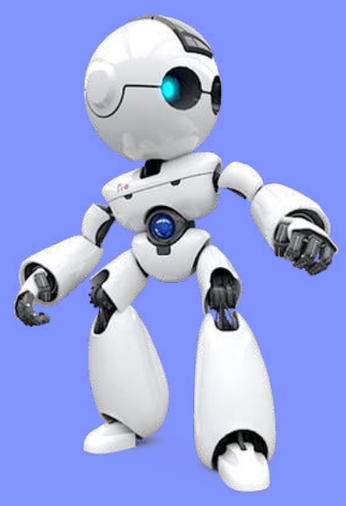
10+20 Lectures

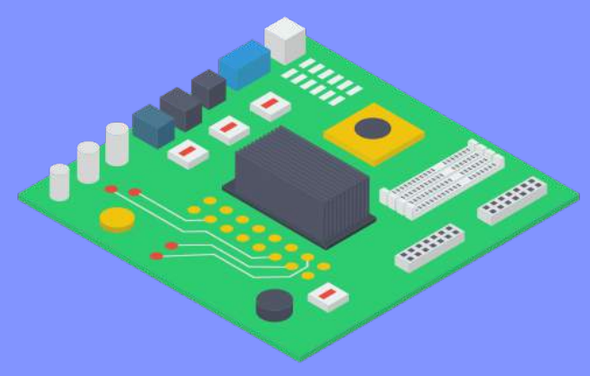
Presented by **Al imtehaan**

Course Outline

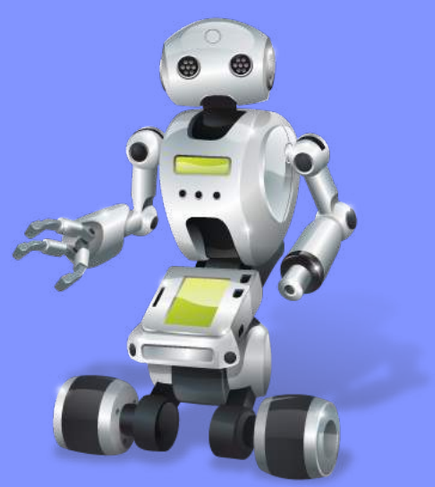
Robotics and Automation

- Creating More Complex Programs for Robots
- Creating Programs that can Solve Real-world Problems
- Introduction to Microcontrollers
- Understanding Input and Output





Programming LEDs with Scratch



- Programming Motors with Scratch
- Programming Servos with Scratch

- Robotics Challenge: Creating a Robot that Follows a Line
- Understanding Game Mechanics such as Scoring and Levels

Powered by **APTCODER**

aptcoder® access the potential

For Grade - 4th

الإمتحان
TEST,SET,GO!

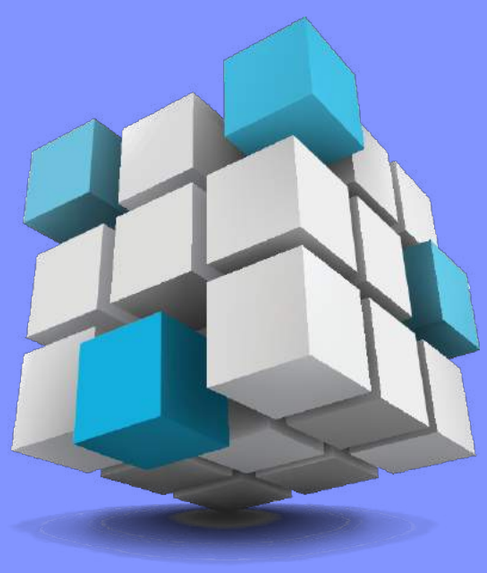
Presented by **Al imtehaan**

10+20+30 Lectures

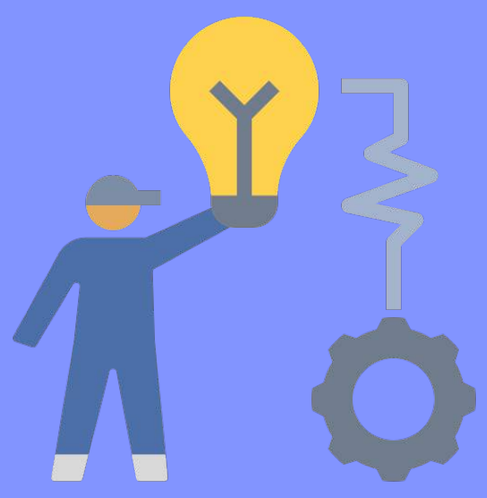
Course Outline

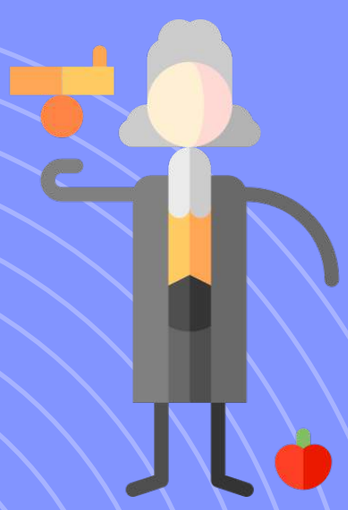
Interactive Art with Scratch

- Creating Interactive Art Projects
- Understanding Colors, Gradients, and Filters
- Creating Animated Stories with Scratch
- Introduction to 3D Design



MIT App Inventor basics





- Creating Apps with Multiple Screens and Navigation
- Understanding Data Types and Variables in App Inventor
- Working with Lists and Loops in App Inventor
- Introduction to AI and Machine Learning

Powered by **APTCODER**

aptcoder® access the potential

For Grade - 4th

الإمتحان
TEST,SET,GO!

Presented by **Al imtehaan**

HTML & CSS

Robotics Engineering

Learning Outcomes

Minecraft Mods

Debugging

Key Points

Perfect your block code

Make interactive webpages

Explore and learn game dev with minecraft

Make robots using Lego WeDo

Powered by **APTCODER**

aptcoder® access the potential