



Welcome to Innovation

# **BOTNEST INNOVATION PROGRAM**

*Where Curiosity Meets Innovation*



# ABOUT US

## **Welcome to BotNest!**

BotNest is a technology learning hub dedicated to Robotics, IoT, and Smart Innovations. We help students explore ideas, write code, build machines, and turn imagination into reality.

Through interactive projects and expert guidance, we make learning fun, practical, and future ready. Let's innovate together!





# EQUIPMENT NEEDED



Laptop &  
earphones

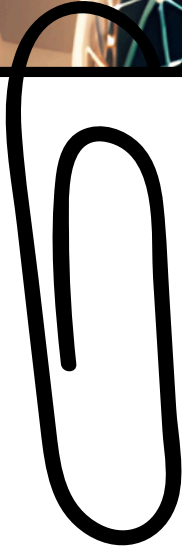
Course Notes

Writing  
codes

Teaching &  
Learning Program  
and Syllabus



# QUESTION



What do you think are some of the benefits of studying Robotics and IoT?

# WHY STUDY ROBOTICS AND IOT?

Studying Robotics and IoT helps students understand how technology works in the real world

Develops critical thinking and analytical skills

These subjects also prepare students for future careers by teaching coding, electronics, and innovation skills

Broadens horizons through exposure to diverse perspectives

Develops Technology awareness and growth

Promotes understanding of global development

Fosters creativity and encourages self-expression

Prepares students for higher education and careers



# COURSE OVERVIEW

- **The BotNest Robotics and IoT course introduces students to intelligent machines and connected technologies through hands-on, project-based learning. Students explore electronics, coding, sensors, and wireless communication to build smart, automated solutions.**
- **The course develops problem-solving, creativity, and teamwork while preparing students for advanced studies, competitions, and future careers in engineering and technology.**

# CORE SKILLS

- **Problem-solving & logical thinking**
- **Basic electronics & circuit design**
- **Coding & computational thinking**
- **Sensor and actuator integration**
- **Robotics system design**
- **IoT connectivity & data handling**
- **Creativity & innovation**
- **Teamwork & communication**





# SUPPORT

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**LET'S HAVE A  
GREAT YEAR!**