



ALTUS

RISE · LEAD · INSPIRE

OUR MISSION

At Altus Education, we believe in the power of knowledge to elevate individuals and communities. Our mission is to provide accessible, high-quality digital education that equips learners with the skills, confidence, and vision to rise above challenges, lead with integrity, and inspire those around them.

Through industry-aligned curricula, hands-on projects, and expert guidance, we prepare our students not just for jobs — but for careers that matter. Every program we offer is crafted to meet the demands of today's fast-evolving digital landscape.

Join thousands of graduates who have transformed their futures with Altus Education.

Rise above. Lead boldly. Inspire endlessly.

Your journey to excellence begins here with Altus Education — where ambition meets opportunity.

WHY ALTUS ?

Your Future Deserves the Right Foundation.

At Altus, we believe every student has the potential to achieve more — and we're here to make sure nothing stands in the way of that.

Altus — Reach Higher.



**BRINGING IDEAS TO LIFE
AND FOSTERING
INNOVATION THROUGH
TECHNOLOGY.**

OUR MISSION AND VISION

A World Where Every Learner Can Reach Their Highest Potential.

We envision a future where geography, background, and circumstance are no longer barriers to quality education. Altus Education is building a world where every student — regardless of where they come from — has access to the tools, technology, and guidance they need to thrive.

To Empower Students Through Intelligent, Accessible, and Personalised Learning.

At Altus Education, we harness the power of technology to deliver exceptional learning experiences that adapt to every individual — breaking barriers, driving real outcomes, and building the confidence every student needs to own their future.



WHY CHOOSE US

Cutting-Edge Technology, Human at Heart

Altus combines the power of advanced learning technology with the warmth of real mentorship. Our platform adapts to how you learn — not the other way around.

Personalised Learning Paths

No more one-size-fits-all. Our intelligent system analyses your strengths and gaps to build a learning journey that's uniquely yours — keeping you engaged, on track, and always progressing.

Learn Anytime, Anywhere

Whether you're at home, on the go, or in a classroom, Altus puts high-quality education in your hands 24/7. All you need is a device and the drive to grow.

Measurable Progress, Proven Results

We believe in outcomes you can see. Real-time dashboards, performance insights, and milestone tracking mean you always know how far you've come — and exactly where you're headed.

Expert-Crafted Content

Every lesson, module, and resource on Altus is designed by leading educators and industry experts — so you can trust that what you're learning is relevant, rigorous, and ready to take you further.

**TRANSFORMING
CONCEPTS
INTO REALITY
AND
NURTURING
INNOVATION**



ALTUS EDUCATION

EMPOWERING EVERY STUDENT WITH INTELLIGENT, PERSONALISED LEARNING
TO UNLOCK THEIR HIGHEST POTENTIAL



RISE ABOVE



LEAD FORWARD



INSPIRE CHANGE

ALTUS EDUCATION



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COURSE CURRICULUM: IOT & ROBOTICS

Overview: Curriculum

- Introduction to Microcontroller
- Arduino IDE Platform
- Programming With Arduino
- Communication Protocols
- IoT Introduction
- IoT Wireless Protocols
- IoT Advance
- Things SpeakAPI

Detailed Weekly Modules

Week 1: Introduction to Microcontroller

- What is microcontroller
- ATMEGA 328p
- Architecture of Microcontroller
- Microcontroller vs Microprocessor

Week 1: Arduino IDE Platform

- What is Arduino
- Virtual Simulator for Arduino
- Architecture of Arduino
- Working with Arduino IDE

Week 2: Programming With Arduino

- Programming an Arduino using C++
- Arduino Code Implementation
- Mini project discussion

Week 2: Communication Protocols

- I2C
- SPI
- Bluetooth

Week 3: IoT Introduction

- What is IoT
- IoT Architecture
- Challenges and future of IoT

Week 3: IoT Wireless Protocols

- Zigbee & RFD
- Bluetooth
- Wifi
- Nfc
- TCP, UDP, MQTT/MQTTS, HTTP/HTTPS

Week 3: IoT Advance

- Weather reporting system
- Social distancing alarm system
- Smart parking system
- Home automation
- Password door lock system
- IFTTT App
- Sending notifications using various applications
- Smart agriculture system
- Remote control robotic system

Week 4: Things SpeakAPI

- Introduction to Sensors
- Rules to react
- Esp 8266 Wifi Module
- Using Matlab for analysis
- Connection using HTTP

COURSE CURRICULUM: IOT & ROBOTICS

HANDS- ON PROJECTS

WILL TRANSFORM CONCEPTS INTO REALITY AND NURTURING INNOVATION

HANDS-ON TOOLS THAT POWER YOUR JOURNEY

AT ALTUS EDUCATION, STUDENTS GAIN PRACTICAL EXPERIENCE WITH INDUSTRY LEADING TOOLS USED BY TOP COMPANIES WORLDWIDE. EVERY TOOL IS CHOSEN TO BUILD REAL-WORLD SKILLS. BY THE TIME STUDENTS COMPLETE THEIR JOURNEY, THEY DON'T JUST UNDERSTAND TOOLS – THEY CAN BUILD WITH IT



RISE ABOVE



LEAD FORWARD



INSPIRE CHANGE