

Robo AI (Robotics & Artificial Intelligence) — Course Syllabus

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Module 1: Robotics Fundamentals

Robot components, kinematics, actuators, motors and sensor integration.

Module 2: Embedded Systems

Microcontroller programming with Arduino, Raspberry Pi and ESP32/IoT integration.

Module 3: Computer Vision

Image processing, object detection and recognition with OpenCV.

Module 4: AI & Machine Learning

Machine learning fundamentals, AI decision-making and autonomous navigation.

Module 5: Wireless & Voice Control

Bluetooth/Wi-Fi communication, voice-controlled and gesture-controlled robotics.

Module 6: Capstone Project

An autonomous or AI-powered robot built from sensors to intelligent control.

This is a placeholder syllabus generated from the course overview on netwisdom.in. It will be replaced with the official, detailed module-by-module syllabus document.