Responsibilities & Rights

About Course

Embedded Linux is a compact, customizable operating system tailored for embedded devices and real-time applications. It powers everything from consumer electronics to industrial systems with stability, flexibility, and open-source efficiency.

Embedded Linux combines the robustness of Linux with the efficiency needed for resource-constrained environments. It enables developers to build smart, connected and scalable embedded solutions across diverse industries.

Why Embedded Linux?

1 Structured Learning Path

2 Industry-Relevant Skills

3 Hands-On Projects

4 Career Opportunities

5 Hardware-Software Integration

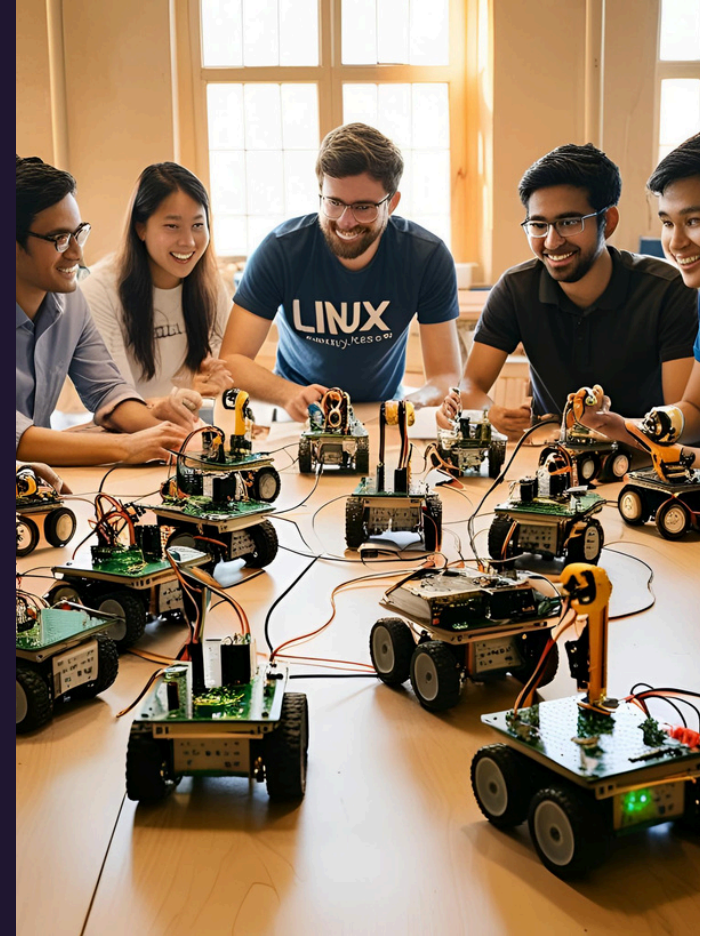## Benefits

High Demand in Industry

Hands-On Skill Development.

Strong Foundation for IoT & Robotics.

Course completion certificate and internship opportunities.

Adaptive InfoTech

Course Overview

- Introduction to Linux and Embedded System.

- Embedded -Linux Operating System architecture and components stack.

- Anatomy of Linux-based System, open Source Components and licenses.

- System configuration, Build process, Boot Process, Bootloader, Cross-compilation Toolchain and C Library.

- Linux Root file System, Memory Management, Hardware Architecture.

- Multithreading, Process Management, Process scheduling, Inter Process-Communication.

- Persistent Storage, Linux Kernel Modules and programming, communication between user space and kernel Space.

- Networking basics and socket programming, system debugging and profiling.

Programme Details

Virtual Course Fee: ₹3,999/-

Onsite Practical Fee: ₹3,999/-

Duration: 40 Hours (Virtual Course)
20 Hours (Onsite Practical)

Schedule:

Virtual Course: **01-07-2025 to 20-07-2025**
time: 8am-10am
Last Day For Registration: 30-06-2025
Onsite Practical: 11-07-2025 to 20-07-2025
time: 4:30 pm to 6:30pm
Last Day For Registration: 10-07-2025

REGISTER NOW!

SCAN HERE

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