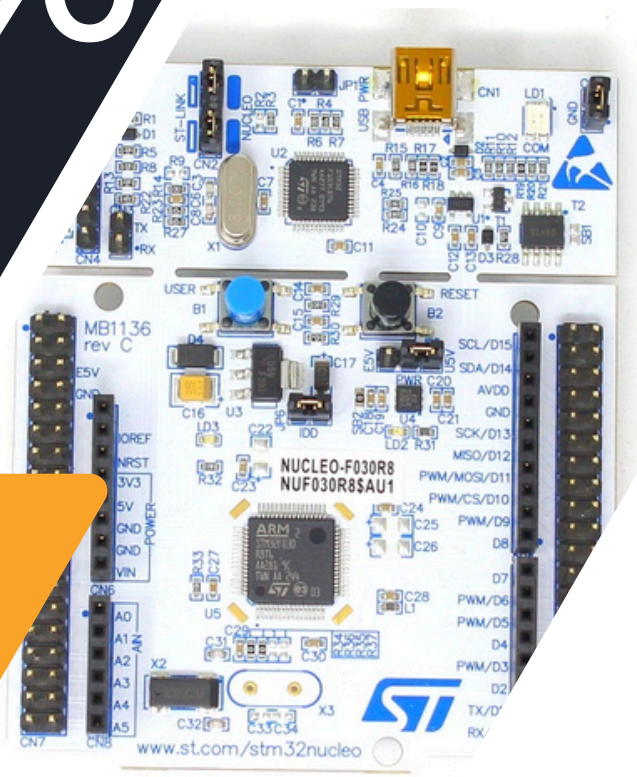
Make IoT
Empoworing The Future

Master Embedded Systems in 90 Days

Become JOB Ready



Online and Offline Mode

90-Day Embedded Systems Challenge !

Are you ready to master Embedded Systems in just 90 days and land your dream job? Join this highly structured challenge designed to take you from beginner to industry ready embedded engineer with hands-on learning
and real-world projects!

What You'll Achieve in 90 Days

- **Master Programming**
- **Microcontrollers Programming**
- **IoT & Networking**
- **Learn Embedded Linux**
- **Communication protocols**
- **Build Real Projects**
- **Get Job-Ready**

1 Embedded Programming

Week 1 and Week 2
Programming Fundamentals

- ✅ Introduction to C
- ✅ Compilation Process, Memory Layout
- ✅ Data Types & Operators
- ✅ Control Flow
- ✅ Functions & Storage Classes
- ✅ Pointers & Memory Management
- ✅ Structures & Unions
- ✅ Bitwise operations
- ✅ File Handling
- ✅ MISRA C Guidelines

Week 2 and Week 4
Programming Mastery

- ✅ Introduction to OOPs
- ✅ Classes and Objects,
- ✅ Four Pillars of OOPs
- ✅ Functions & Modules
- ✅ Lists, Tuples, Dictionaries, Sets
- ✅ Micropython
- ✅ NumPy and Pandas for Data handling
- ✅ Libraries for Data Visualization
- ✅ Automation using Python scripts

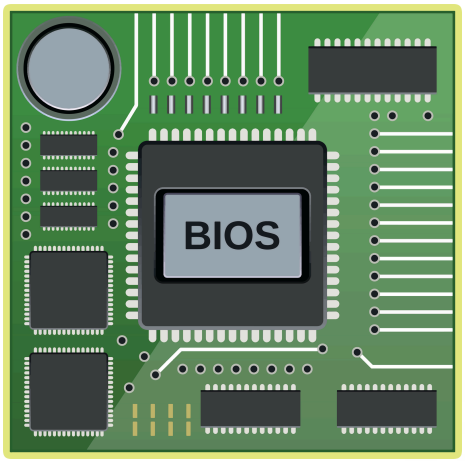
- Mock Interview for Embedded Software Engineer Roles
- Embedded C and Python Coding Challenges & Debugging Exercises

FREE

2 Controllers and Protocols

Week 5 and Week 6
Mastering Microcontrollers

- ✅ Baisc of Microcontroller
- ✅ Understanding ARM
- ✅ STM32F1xx Architecture
- ✅ Bare Metal Programming
- ✅ HAL-Programming
- ✅ GPIO Programming
- ✅ Timers and PWM
- ✅ Interrupts & ISR
- ✅ ADC and DAC
- ✅ Driver Development
- ✅ Peripherlas likeLCD, Motor Switches Etc



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Week 7 and Week 8
Communication Protocols

- ✅ UART
- ✅ I2C
- ✅ SPI
- ✅ CAN
- ✅ WiFi (802.11)
- ✅ BLE

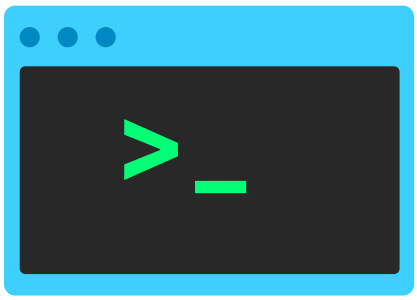
- Hands-on Labs & Real Time Projects
- Exclusive PDFs & Cheat Sheets
- Access to STM32Cube Projects & Source Codes

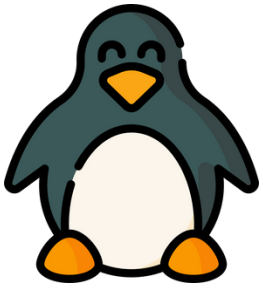
FREE

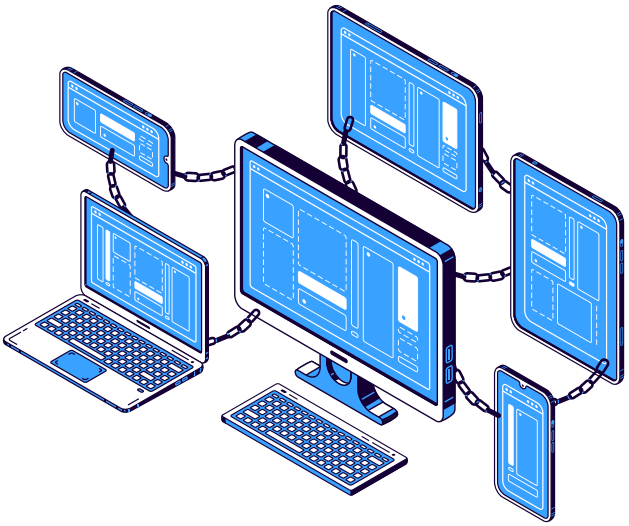
3 IoT, Networking and Linux

Week 9 and Week 10
IoT Devices and Protocols

- ✅ Introduction to IoT
- ✅ OSI & TCP/IP Models
- ✅ ESP32 Hardware
- ✅ ESP32 Programming
- ✅ Networking Fundamentals
- ✅ HTTP Protocol
- ✅ MQTT Protocol
- ✅ Edge vs Cloud Computing
- ✅ IoT Clouds
- ✅ Sensor Interfacing & Data Analysis







Week 11 and Week 12
Embedded Linux

- ✅ OS Fundamental
- ✅ Linux Kernal
- ✅ Linux File System
- ✅ Command Line Interface
- ✅ Essential Linux Command
- ✅ Bash Scripting Basics
- ✅ Process Management
- ✅ Webserver configuration
- ✅ RTOS

- Free IoT Cloud Access
- Free Networking Fundamental Certification
- Free Global Certification

FREE

Accept the challenge, complete real world projects and become job-ready in just 90 days! 🎯

Join Our Free community !🎯

Make IoT
Empoworing The Future

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