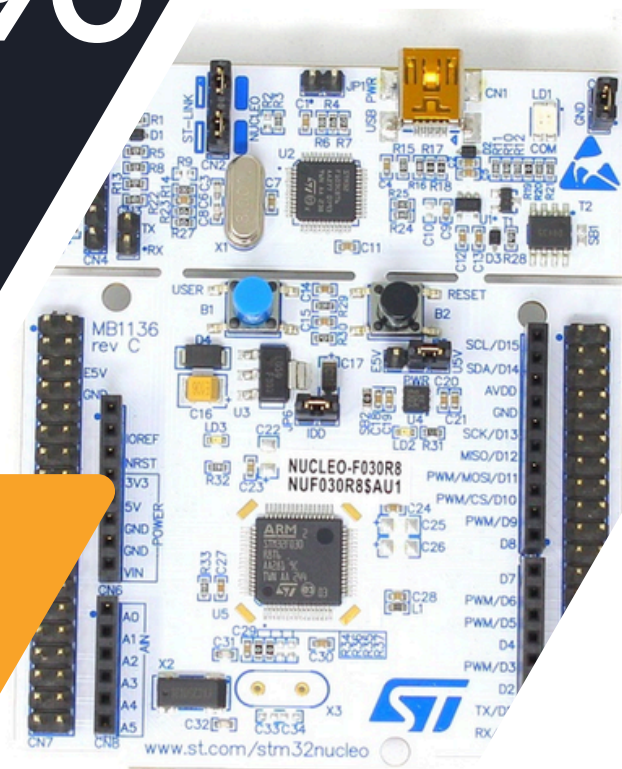


Master Embedded Systems in 90 Days

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!



```
cards();});  
on('resize', function()  
cards(){  
width = $(window).width()  
if(width < 750){  
cardssmallscreen();  
}else{  
cardsbigscreen();  
}  
}  
function cardssmallscreen(){  
var cards = $('<div>.card').length  
var height = 0;  
card2 = 1; i<=cards; i++)  
i = $('<div>.card:nth-  
of-type:even')</pre>
```

■ What You'll Achieve in 90 Days

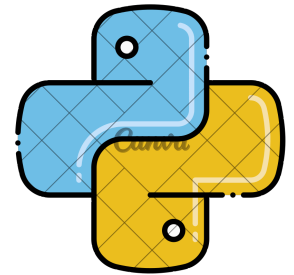
- ◆ Master Programming
- ◆ Microcontrollers Programming
- ◆ IoT & Networking
- ◆ Learn Embedded Linux
- ◆ Communication protocols
- ◆ Build Real Projects
- ◆ Get Job-Ready



1 Embedded Programming

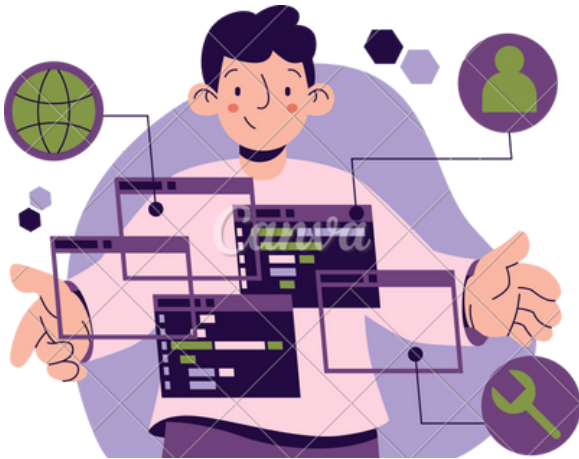
Week 1 and Week 2 Programming Fundamentals

- ✓ 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



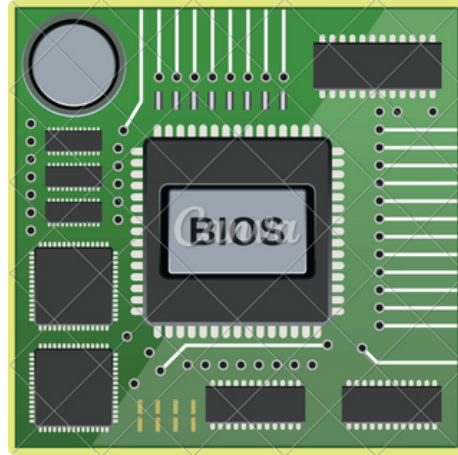
- Mock Interview for Embedded Software Engineer Roles
- Embedded C and Python Coding Challenges & Debugging Exercises

FREE

2 Controllers and Protocols

Week 5 and Week 6 Mastering Microcontrollers

- ✓ Basic of Microcontroller
- ✓ Understanding ARM
- ✓ STM32F1xx Architecture
- ✓ Bare Metal Programming
- ✓ HAL-Programming
- ✓ GPIO Programming
- ✓ Timers and PWM
- ✓ Interrupts & ISR
- ✓ ADC and DAC
- ✓ Driver Development
- ✓ Peripherals like LCD, Motor Switches Etc



Week 7 and Week 8 Communication Protocols

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



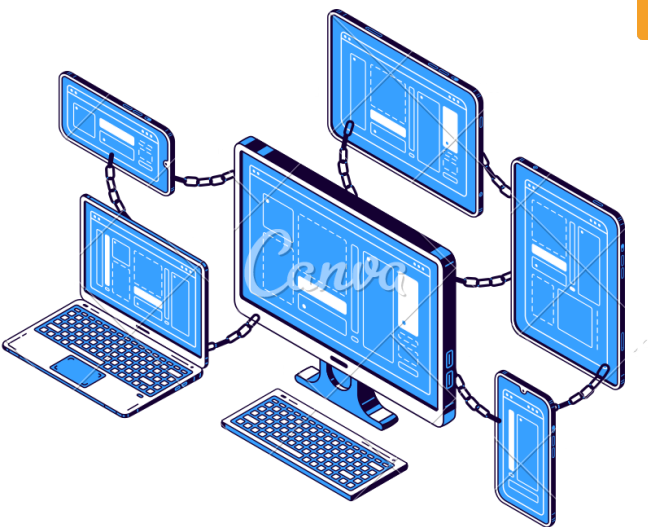
- Hands-on Labs & Real Time Projects
- Exclusive PDFs & Cheat Sheets
- Access to STM32Cube Projects & Source Codes

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 Kernel
- ✓ 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 Hardware Simulation

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



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