

Embedded System Mentorship Program

Basics 60 Days

Starting Point For Your Career Path ●●●

Our Mission & Vision

We help undergrad and post grad students struggling to get industrial experience with our Industry Grade Mentorship programs which help them to become corporate-ready individuals and possess the skillset to take on any challenges without any self-doubt.



Mission

Our aim is to become one of the most preferred education technology platforms accross the globe.



Vision

We envision a world in which each students receives the effective, equitable, and engaging education they need to reach thier full and unique potential.



WHAT MAKES US UNIQUE!



Live Mentorship



Regular Evaluation



Multiple Domains



Career Assistance



Challenge Based Training



Resume Building



COURSE CURRICULUM

18 SESSIONS

➤ **Induction Class**

➤ **Session 2**

Introduction to Embedded Systems
(History, Evolution, Applications)

➤ **Session 3**

Overview of Architecture of 8051 Processor
Functional Block Diagram



Session 4

Memory Organisation
Special Function Registers(SFRs)



Session 5

Addressing Modes
Instruction Set



Session 6

Developing, Building
Debugging ALPs
Assembly Level Programming(ALP)



Session 7

Embedded C & i/o
Functionalities - Interfacing Leds
Switches



Session 8

Interfacing LCD with 8051



Session 9

Interfacing Keypad Matriix with 8051



Session 10

Timers and Counters
Minor Project



Session 11

Serial Communication with UART
Protocol



Session 12

Interrupt Programming
Priority Management



Session 13

Communication Protocols(12c, spi)



Session 14

12C Programming



Session 15

Introduction to Advanced Controllers
ARM Cortex



Session 16

Programming with Embedded C

Session 17

I/O Functionalities - Interfacing
Leds & Switches
LCD with ARM Controller

Support

Tricks & Tips to clear interview questions
Most preferred interview questions
Resume preparation & Cover

OUR ALUMNI WORK AT



DONT HESITATE TO CONTACT US..



www.teachnook.com



6363433634 | 6363091233



support@teachnook.com

Follow us

