

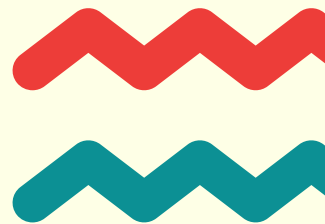


**Learn Well
Technocraft**

EMBEDDED "C" SYLLABUS

8TH YEAR OF ACCOMPLISHMENTS

AUTHORIZED GLOBAL CERTIFICATION CENTER
FOR MICROSOFT, ORACLE, IBM, AWS AND
MANY MORE.



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ACHIEVEMENTS FROM TRAINING



- CANDIDATE WILL BE ABLE TO SHOW 2-3 YEARS EXPERIENCE AFTER TRAINING.
- REAL TIME SCENARIOS, CASE STUDIES, PROJECTS INCLUDED.
- REAL TIME DATA PROVIDED FOR PRACTICE.
- SOFTWARE WILL BE INSTALLED ON CANDIDATES MACHINE.
- INDIVIDUAL 1 ON 1 DISCUSSIONS FOR RESUME MODIFICATIONS.
- LEARN FROM INDUSTRY EXPERTS.
- GLOBAL CERTIFICATION PREPARATION.
- APPEAR FOR GLOBAL CERTIFICATION AT LEARN WELL TECHNOCRAFT ITSELF.
- GET DISCOUNTED CERTIFICATION VOUCHERS.
- AUTHORIZED GLOBAL CERTIFICATION CENTER FOR PEARSON, PSI, KRYTERION.

C With Embedded System Syllabus

(Note: Syllabus for C with Embedded System and Hardware Implementation with Arduino)

C Language Syllabus

Execution of C Program

- History
- Structure of C Program

Variables and Keywords

Character Set

- Identifier
- Variable
- Keywords
- Escape Sequence Characters

Constants

Real Constant

- Integer Constant
- Character Constant
- String Constant

Data Types

Data Types

- Qualifier
- Enum
- Typedef

Operators

Assignment Operator

- Arithmetic Operators
- Logical Operators
- Relational Operators
- Shorthand Operators
- Unary Operators
- Conditional / Ternary Operator
- Biwise Operators
- Operator Precedence and Associativity
- If Statement
- If-Else Statement
- Nested If-Else
- Switch Case

Looping Statements

Looping / Iterative Statements

- while
- do while
- for loop
- Break Statement

Continue Statement

- Goto

Functions

Function call by passing value

- Function call by returning value
- Function call by passing and returning value
- Recursion

Storage Classes

Storage Classes

- Automatic Storage Class (auto)
- Register Storage Class (register)
- Static Storage Class (static)
- External Storage Class (extern)

Array

Array

- Single / One Dimensional Array
- Two Dimensional Array

Structure

Array in Structures Structure with Array

- Difference between array and structure

Pointers Union

Union

- Difference between structure and union
- Strings
- File Handling

Header Files

Header File

- Assert.h
- Ctype.h
- Math.h
- Process.h
- String.h
- Time.h
- Goto

Hardware Implementation with Arduino

General Purpose I/O (GPIO)

- Serial Communication Interfaces: RS-232/485
- Synchronous Peripheral Interfaces: I2C, SPI
- Sensors Interfacing with Arduino

Also Available

- Internships - Paid / Free
- Internship certifications on successful completion
- Final year Collage Projects on Latest Skills
- Special Project batches
- Collage Seminars