

Course Code: **WSR001**

Course Title: **“C” Implementation**

Course Duration: **1-Month (30 Classes)**

Theory: **1-2 Hour each class** **Lab: 2 Hour each class**

Course Fee: **2500/-**

(Certificate will be dispatched after successful course completion)

Introduction:

Intended for students studying at different recognized institutes/colleges/schools. It covers all fundamentals and advance concepts including it's implementation in programming spectrum.

Syllabus:

SL#	SUBJECT TITLE	DESCRIPTION	CLASSES
1	Introductory	Introduction, Escape Sequences, Data types, operators & Expressions, Using Cast operators	4
2	Lab	Lab	2
3	Decision Structures	Using Boolean operators, if()-else statement	1
4	Lab	Lab	1
5	Control Structures-I	Using while(), do-while() loops, COMMA operator, Ternary operator, transfer of controls with in a loop, switch-case statement	2
6	Lab	Lab	2
7	Control Structures-II	Using for() loop, introduction to Array	1
8	Lab	Lab	1
9	Pointers & Arrays	Array Implementation, using “sizeof” operator, pointer variables & implementation of pointers, using multi-dimensional arrays	3
10	Lab	Lab	2
11	Functions	Using functions and scope, function arguments, recursive functions, Macros & command line arguments,	5
12	Lab	Lab	3
13	Files	File & File I/O, Implementing file functions, using “structs”, dot-operator	2
14	Lab	Lab	1
		Total	30