

Course: Introduction to Programming in C

Course Code: noc17-cs43

Session: 2017-18

Duration: 8 Weeks

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1 :

- Intro - Process of programming
- Intro - Programming cycle
- Intro - GCD
- Intro - Tracing a simple program
- Intro - Variables
- Intro - Operators

Week 2: Loops

- Loops - While
- Loops - While example
- Loops - While GCD example
- Loops - Longest 1
- Loops - Longest 2
- Loops - Longest 3
- Loops - Do-while
- Loops - Matrix using nested loops
- Loops - For
- Loops - Matrix using nested for loops
- Loops - Break statement
- Loops - Continue statement
- Loops - Continue statement example

Week 3: Functions

- Functions - Introduction
- Functions - How functions are executed
- Functions - Examples - 1
- Functions - Examples – 2

Week 4: One-Dimensional Arrays and Pointers

- Arrays in C
- Initializing arrays
- Initializing character arrays
- Pointers in C

- Function with pointer arguments
- Programming using arrays and pointers

Week 5: Recursion

- Recursion - Linear Recursion
- Recursion - Linear Recursion – 2
- Recursion - Two-way Recursion

Week 6: Multi-dimensional Arrays, Linked Lists.

- Multidimensional Arrays
- Multidimensional Arrays and Pointer

Week 7: Operating on Files

- File Handling
- Some other file-handling functions

Week 8: Organizing C projects, working with multiple source directories, makefiles.

- Organizing code into multiple files - 1
- Doubly Linked Lists - introduction
- Pre and post increment operators

List of enrolled students

1	Navjeet Singh Soni
2	Aman Rawat
3	Divya Shanker Acharya
4	Guman Singh Gahalot
5	Jigyasa Gupta
6	Md Imran
7	Isha Gupta
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9	Jayesh Nagar
10	Jayesh Malviya
11	Kajal Kumari
12	Kanwarpal Singh
13	Keshav Kishore Chhipa
14	Anshul Kothari
15	Mitali Bajaj
16	Mohit Sharma
17	Nishant Kumar Nishu

18	Nishtha Shukla
19	Pooja Khandelwal
20	Prateek Kumar Singhal
21	Preksha Agrawal
22	Ravi Singh
23	Rishabh Rao
24	Rishi Garg
25	Sagar Sharma
26	Saurav Kumar
27	Shivam Gupta
28	Shruti Agarwal
29	Ruchi Singhal
30	Milanpreet Singh
31	Harsh Tenguriya
32	Vaibhav Kulshrestha
33	K.Vardhrajn
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