Contents

9 in 1 Program

Training
23 hours of Live Online Interactive Classroom Sessions

Projects
Facility to undergo various Hands-on Projects for Practical learning of the Course

Internship
Internship Assistance to gain practical experience of the learnings

Hands on Experience
We believe in "practice makes us perfect". And you will undergo the same.

Certification
Distinguish your profile with the Course Completion Certification and showcase expertise

E-Learning Access
With abundant tools and techniques, video content, assessments, and more

Bootcamps
We will provide the access to join our Upcoming Bootcamps for next 12 months

Job Ready
We upskill you with all the required skills and makes you ready for job

Certification Ready
Our Courses makes you ready for respective certification exams and Proficiency tests

Key Features

01 — Attend Batches at your convenience in the next 1 year

02 — Internship assistance Post Training

03 — Hands on Experience

04 — Certification for the completion of Our ULearn's training Course

05 — Multiple Practice Sessions to enhance your job skills

06 — Bootcamps as part of the Training course

07 — Lifetime Access to Materials

08 — Access to E-Learning Portal

09 — Access to Proficiency Exam Dumps to enhance skills

CERTIFICATE

ULearn
what you love

OF PARTICIPATION

This certificate is presented to:

NAME

powered by

ISA

University of Colorado Denver

has successfully completed the ULearn
Spoken English Course
in June 2023. We wish you all the best for your future endeavors.

KOSHWITHA REDDY B
CFO ULEARN

Course Curriculum

Module 1: Introduction to Programming Languages
•   Types of Languages
•   Evolution of 'C' Language
•   Structure of a 'C' Program
•   'C' Program development life cycle
•   Executing and debugging a 'C' Program
Module 2: 'C' Tokens
•   Keywords and Identifiers
•   Operators & Constants & Variables
•   Data Types
•   Precedence of Operators
•   Scope and Lifetime of Variables
Module 3: Control Statement and Expressions
•   Decision Making using if statement
•   Types of if …else block
•   Switch case Block
•   Arithmetic Expressions
•   Evaluation of Expressions
•   GOTO statement
Module 4: Looping
•   Concept of Loop
•   For loop
•   While loop and do while loop
•   Jumping in Loop
•   break and continue statement
Module 5: Arrays and String
•   Introduction of Array
•   One - D Array & Two - D Array
•   Multidimensional Array
•   Dynamic Arrays
•   Implementing String Variables
•   String handling Functions
Module 6: Functions
•   Concept of Function
•   User defined Function
•   System Defined Function
•   Types of parameters passing in function
Module 7: Pointers
•   Need of Pointers
•   Types of Pointers
•   Pointer Expression
•   Arrays of Pointers
•   Pointers and Functions
Module 8: Structure and Unions
•   Need of Structure
•   Implementing Structure Variable
•   Arrays of Structure
•   Structure within Structure
•   Introduction of Unions

- Difference between Structure and Unions

Module 9: File Handling using 'C'
- Opening and Closing File
- Input / Output operations on File
- Random Access to Files
- Command Line Arguments

Module 10: Dynamic Memory Allocation
- Concept of Dynamic Allocation
- Implementing Malloc and Callop Functions
- Releasing the free space

Module 11: Storage Classes and Pre-processor
- Introduction of Storage Class
- Types of Storage Classes
- Introduction of Pre-processor
- Macro Substitution
- File Inclusion

Module 12: Introduction to Object Oriented Programming
- Concept of OOP
- Features of OOP
- Introduction of 'C++'
- Structure of 'C++' program
- Executing and debugging a 'C++' Program

Module 13: 'C++' Tokens and Type Casting
- Keywords and Identifiers
- Operators & Constants & Variables
- Data Types
- Precedence of Operators
- Scope and Lifetime of Variables

Module 14: Classes & Objects
- Classes & Object Specifier
- Defining data members and member functions
- Array of objects & Managing console I/O
- C++ stream classes
- Formatted and unformatted console I/O
- Usage of manipulators

Module 15: Function in 'C++'
- Call by reference, Return by reference
- Function overloading and default arguments
- Inline function
- Static class members
- Friend & Virtual functions

Module 16: Constructors and Destructor
- Concept of Constructor
- Types of Constructors
- Memory allocation (new and delete)
- Usage of destructor

Module 17: Operator Overloading
- Overloading Unary and Binary operators
- Overloading using friend function

Module 18: Inheritance
- Types of inheritance
- Virtual base classes and abstract base classes
- Constructor and destructor in derived class

Module 19: Working with files
•   File operations
•   File pointer and their manipulation
•   File updating with random access

Module 20: Exception Handling
•   Various Exception Handling classes
•   Implementing try and catch block
•   Use of throw keyword

*"Spreading knowledge in a range of disciplines and fields, delivering quality higher education at all levels,serving national needs, and furthering international public interest." **- Financial Express***

ULearn®'s Training Methodology

Live Projects	Live Projects are carried out during the training tenure to develop experiential learning for theparticipants. This helps in a better understanding of the concepts and gain in-depth practicalinsight
Unique Pedagogy	Uses a mix of techniques aligned to our unique G.C.A.O. pedagogy. This enables participantsto derive focused-action-oriented outcome from the training
End-to-End Engagement	Participants will be engaged throughout the training through reverse presentations, group activities, brainstorming

Certification Process

1

Counselling

Consult one of the counselors and get into the Right Batch. Register yourself for the Training Course that suits your interest

2

Attend the Training

Attend the Instructor-Led Sessions of the Chosen Training Course and get your Course Completion Certification.
Go Through the Recorded Sessions, in case you missed any topic or training

3

Submission of Projects Assigned

Submit the Hand-on Projects assigned during the training to the trainers for Assessment and Certification

4

Complete the Training Course

Post Completion of the training, get Course Completion Certification of the attended Training Course from ULearn &

ISA University of CU Denver in front of your name. Post it on social media and apply for internship, jobs, and Freelancing Projects

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C E R T I F I C A T E

OF PARTICIPATION

This certificate is presented to:

NAME

powered by
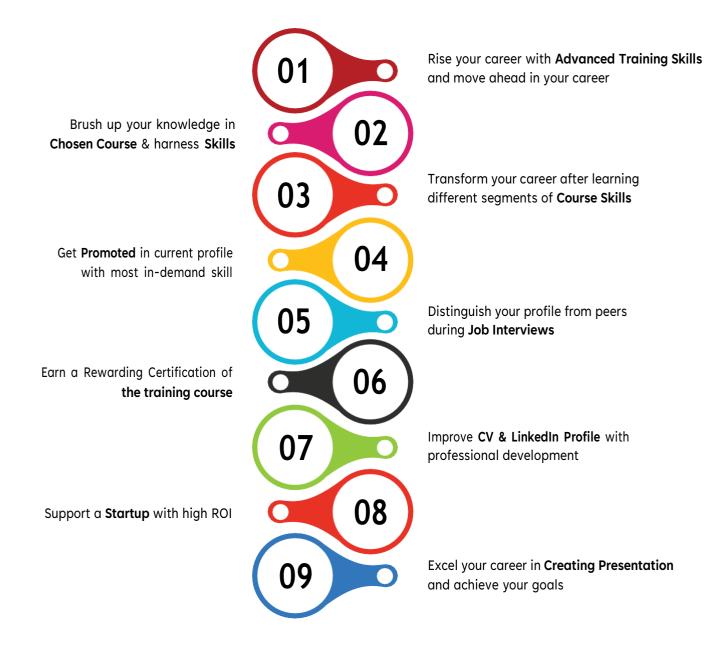
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CPO ULEARN

Career Benefits

01 — Rise your career with **Advanced Training Skills** and move ahead in your career

Brush up your knowledge in **Chosen Course** & harness **Skills** — **02**

03 — Transform your career after learning different segments of **Course Skills**

Get **Promoted** in current profile with most in-demand skill — **04**

05 — Distinguish your profile from peers during **Job Interviews**

Earn a Rewarding Certification of **the training course** — **06**

07 — Improve **CV & LinkedIn Profile** with professional development

Support a **Startup** with high ROI — **08**

09 — Excel your career in **Creating Presentation** and achieve your goals

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About ULearn

ULearn is an Edu-tech platform that offers a personalized learning platform. At ULearn, we are driven by a passion for transforming education and empowering learners to unlock their full potential. We believe that everyone, regardless of their location or background, should have access to quality education.

ULearn Vision & Mission

At ULearn, we believe that education should be accessible to all. That's why we have made affordability and flexibility a cornerstone of our platform. What sets us apart is our commitment to delivering a comprehensive learning experience. We offer a wide range of courses and programs that cater to diverse interests and skill levels. Whether you're a student seeking academic support, a professional looking to upskill, or an individual eager to explore new subjects, we have something for you.

We believe that knowledge has the power to change lives. We strive to create a dynamic and inclusive learning environment that inspires curiosity, fosters critical thinking, and encourages lifelong learning. Our commitment to excellence ensures that you receive the highest quality education and gain practical skills that are relevant in today's rapidly evolving world.

Our platform boasts interactive lessons, engaging multimedia content, and collaborative learning tools that enhance the learning journey. We understand that every learner is unique, and that's why we prioritize personalized learning experiences. We take pride in our passionate and qualified instructors who bring their expertise and industry insights into the virtual classroom. They are dedicated to nurturing a supportive and interactive learning community, where learners can connect, share ideas, and collaborate on projects.

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