

**TECNIA INSTITUTE OF ADVANCED STUDIES**  
Grade 'A' Institute  
**Department of Information, Communication & Technology**  
**Bachelor of Computer Applications (BCA)**  
Scheme and Syllabus (w.e.f. Academic Session 2024-25)  
As per UGC Curriculum & Credit Framework for Undergraduate Programme (CCFUP)  
(Dec 2022): GGSIP University, Delhi

**COURSE CODE: BCA 101P**

**COURSE NAME: PRACTICAL -1 'C' PROG. LAB**

**LEARNING OBJECTIVES:**

This course will provide the learners the following:-

Understanding of the syntax and the semantics of C programming language

Building of their logics for solving a given problem.

**PRE-REQUISITES:** None

**COURSE OUTCOMES (COs):**

After completion of this course, the learners will be able to:

CO #	Detailed Statement of the CO	BT Level	Mapping to PO #
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CO1	Develop programming skills by learning the fundamentals of structured programming using C Language.	BTL3	PO1, PO2, PO3
CO2	Design and develop programs using arrays, storage classes, functions and to understand memory management through pointers	BTL4	PO1, PO2, PO3
CO3	Critically analyze real world problems using structures, unions and develop applications for handling text and binary files.	BTL5	PO1, PO2, PO3, PO4, PO5
CO4	Explore the use of command line arguments, string manipulation and standard libraries.	BTL5	PO1, PO2, PO4,