# 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 2021-22)
(Dec 2022): GGSIP University, Delhi

**COURSE CODE: BCA 174**
**COURSE NAME: PRACTICAL-V DS LAB**

**LEARNING OBJECTIVES:**

In this course, the learners will be able to develop expertise related to:

1. Implement various types of data structures using C.
2. Implement different operations on linear and non-linear data structures

**PRE-REQUISITES:**

1. C Programming Skills

**COURSE OUTCOMES (COs):**

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

| CO # | Detailed Statement of the CO |
|------|------------------------------|
| CO1 | Implement basic operations on static linear data structures. |
| CO2 | Implement various operations on dynamic linear data structures. |
| CO3 | Implement basic operations on non-linear data structures |
| CO4 | Implement searching techniques on linear and non- linear data Structures. |
| CO5 | Implement sorting techniques on one dimensional array. |