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 108T
COURSE NAME: SOFTWARE ENGINEERING

LEARNING OBJECTIVES:
The paper aims to understand the importance, limitations and challenges of processes involved in software development. In this course, the learners will be able to develop expertise related to the following:
1. To gain knowledge of various software models.
2. To gain knowledge of various software design activities.
3. To learn cost estimation, software testing, Maintenance and debugging.

PRE-REQUISITES: Nil

COURSE OUTCOMES (COs):

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

CO #	Detailed Statement of the CO
CO1	Instantiating into the process of designing, coding and testing a software module. Implementing Software Development Life Cycle(SDLC) to develop a software module
CO2	Organizing a software product along with its complete documentation.
CO3	To analyze the use of techniques, skills and modern engineering tools necessary for software development.
CO4	Organizing a complete software module according to SDLC

Course Outcomes	Program Outcomes (Scale – 1: Very Low, 2: Low,3:Medium,4:High)									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	4	2	4	4	1	4	1	1	1	4
CO2	4	2	4	2	1	4	1	1	1	4
CO3	4	2	4	4	1	4	1	1	1	4
CO4	4	2	4	4	1	4	3	2	1	4