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 301

COURSE NAME: OPRTSYING SYSTEM & LINUX PROGRAMMING

LEARNING OBJECTIVES:

In this course, the learners will be able to develop expertise related to the following:-
1. Working and functionalities of operating system
2. Understand the concept of process scheduling, ,memory management, deadlock and file system
3. Understand basic commands of Linux and shell scripts.

PRE-REQUISITES:
1. Basic understanding of hardware and software of computer organization.

COURSE OUTCOMES (COs):

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

CO#	Detailed Statement of the CO
CO1	Understand the basic concept of Operating System with the help of Unix and Linux Architecture.
CO2	Understand the concept of Processes, Process Scheduling, Process Synchronization and applying process commands in Linux environment.
CO3	Understand the concept of memory management and deadlock.
CO4	Understand the concept of file Systems, Types and Access Methods by using Linux commands.