

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 102

COURSE NAME: APPLIED MATHEMATICS

LEARNING OBJECTIVES:

The objective of this course is to provide the learners with the following:

1. The Knowledge of mathematical probability
2. Understanding of various numerical techniques
3. Familiarity with the Linear Programming and it's applications

PRE-REQUISITES: Basic Concepts of Mathematics

COURSE OUTCOMES (COs):

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

CO #	Detailed Statement of the CO
CO1	Understand the various approaches dealing the data using theory of Probability.
CO2	Understand various numerical techniques and apply them to solve real life problems.
CO3	Analyse and evaluate the accuracy of common Numerical Methods.
CO4	Develop a mathematical model for real life situation and solving it Using Linear programming technique.