TECNIA INSTITUTE OF ADVANCED STUDIES

Grade 'A' Institute

Department of Information, Communication & Technology

Bachelor of Computer Applications (BCA)

Scheme and Syllabus (w.e.f. AS 2021-22)

COURSE CODE: BCA 202

COURSE NAME: JAVA PROGRAMMING LEARNING

OBJECTIVES:

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

1. Learn how to implement Object Oriented concepts through Java.
2. Identify and apply the Java thread model to program Java applications.
3. Develop GUI applications using Java swings

PRE-REQUISITES:
1. Programming fundamental
2. Object-Oriented concepts

COURSE OUTCOMES (COs):

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

CO #	Detailed Statement of the CO
CO1	Illustrate the Object-Oriented paradigm and Java language constructs
CO2	To inculcate concepts of inheritance to create new classes from existing ones and design the Classes needed given a problem specification.
CO3	To familiarize the concepts of packages and interfaces.
CO4	To facilitate students in handling exceptions and defining their own exceptions.
CO5	To manage input output using console and files
CO6	To apply the Java Thread model to develop multithreading applications.
CO7	To understand and apply the concepts of GUI programming using swings.