

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 204

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: NONE

COURSE OUTCOMES (COs):

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

CO #	Detailed Statement of the CO
CO1	To evaluate languages to code front end and back end of a software
CO2	Instantiating into the process of designing, coding and testing a software module.
CO3	Organizing a software product along with its complete documentation.
CO4	Implementing Software Development Cycle to develop a software module.
CO5	To analyze the use of techniques, skills and modern engineering tools necessary for software development.
CO6	Organizing a complete software module