

**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: BCAT 214**

**COURSE NAME: INTRODUCTION TO ARTIFICIAL INTELLIGENCE**

**LEARNING OBJECTIVES:**

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

1. To learn the basics of designing intelligent agents that can solve general purpose problems.
2. To represent and process knowledge, plan and act, reason under uncertainty and can learn from experiences

**PRE-REQUISITES:**

Basic Programming Skills

**COURSE OUTCOMES (COs):**

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

CO#	Detailed Statement of the CO
CO1	To understand elements constituting problems and learn to solve it by various uninformed and informed (heuristics based)
CO2	To understand formal methods for representing the knowledge and the process of inference to derive new representations of the knowledge.
CO3	Analyze and apply the notion of uncertainty and some of probabilistic reasoning methods to deduce inferences under uncertainty
CO4	Apply some mechanisms to create and improve AI system.