

PROFORMA FOR MODIFIED COURSE

1.	Title of the course	Artificial Intelligence
2.	Course number	CS3204/CS5204
3.	Status of the course	Core
4.	Structure of credits	3-0-0-3
5.	Offered to	UG
6.	New course/modification to	Modification to CS3204
7.	To be offered by	Department of Computer Science and Engineering
8.	To take effect from	January 2021
9.	Prerequisite	Nil
10.	Whether approved by the Department	Yes
11.	Course Objective(s): To impart knowledge on fundamentals of formal representation of knowledge and reasoning algorithms.	
12.	Course Content: Basic concepts: heuristics, state space representation and search; Knowledge representation and reasoning; Formal logic and unification algorithms; Planning algorithms; Constraint satisfaction; Case based reasoning; Frequent pattern mining; Current trends and future directions: text mining, semantic web, question-answering systems.	
13.	Textbook(s): 1. Russell S and Norvig P, <i>Artificial Intelligence: A Modern Approach</i> , 4th Edition, Pearson Education (2020).	
14.	Reference(s): 1. Khemani D, <i>A First Course in Artificial Intelligence</i> , 1st Edition, McGraw-Hill Education (2010).	