

## CSE643: Artificial Intelligence

### Assignment-3

**Due date: 09-Nov-2022 11:59PM**

**Marks: 7**

1. Write a python program ***using durable-rules module*** with forward-chaining rules for ***career advisory system*** for a graduating student of IIITD based on courses done, grades got and interest areas. Make your own rules and test it out with facts.
2. By doing this system right, you will learn about a proactive AI system that will take data in and ***suggest possible career options*** for that student based on forward-chaining rules.
3. You can take ideas from the example that I posted but use your ingenuity to create your own proactive AI system; do not copy my example.
4. Python program should work as marks will be based on the working demo of the program and your explanation of the program.
5. Marks will be awarded for the assignment as follows: Working program (2 marks), explanation of your program (2 marks), forward-chaining demonstrated (2 marks), ingenuity used (1 mark). Demonstrate the program to your assigned TAs.
6. You should submit a ZIP file consisting of the program and a pdf file listing the program and sample screenshots of its working. Name the ZIP file as: AI-A3-<Name>-<RollNo>