

Artificial Intelligence

CSE643

Overview of Assignments

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Google classroom code: **evpzcof**

In this course you are going to... (Individual effort)

- Build an advisory system for selecting electives for a BTech or MTech student of IIITD
 - You will build the system using Prolog
 - Build prediction of possible career using ML (sci-kit learn)
 - Build a Natural language interface to your system using Python

When doing individually

- Asgn #1 (7): Build an electives advisory system – Start: 6/9, Submit: 23/9
- Asgn #2 (7): Search Road route using Prolog – Start: 27/9, Submit: 14/10
- Asgn #3 (7): Forward chaining rules in durable-rules for vacation advise – St: 14/10, Sub: 01/11
- Asgn #4 (7): Use ML to predict career of a graduating student – St: 01/11, Sub: 18/11
- Asgn #5 (7): Use Python to build an NL interface for above – St: 18/11, Sub: 06/12
- Asgn #2 and Asgn #3 everyone has to do individually

Alternatively (in groups of 4)

- Build a shopping recommendation system for customers looking for electronic gadgets, household items, furniture
 - You will build the system using Prolog
 - Build prediction of possible shopping of a customer using ML (sci-kit learn)
 - Build a Natural language interface to your system using Python
- Build a sentiment analysis system based on reviews posted about hotels and stays, travel sites/ agents, travel means
 - You will build the system using Prolog
 - Build prediction of possible travel booking using ML (sci-kit learn)
 - Build a Natural language interface to your system using Python

When doing in groups of 4

- Asgn #1 (7): Build your recommendation or sentiment analysis system – Start: 6/9, Submit: 23/9
- Asgn #2 (7): Search Road route using Prolog – Start: 27/9, Submit: 14/10
- Asgn #3 (7): Forward chaining rules in durable-rules for vacation advise – St: 14/10, Sub: 01/11
- Asgn #4 (7): Use ML to predict predict possible shopping or predict possible travel – St: 01/11, Sub: 18/11
- Asgn #5 (7): Use Python to build an NL interface for above – St: 18/11, Sub: 06/12
- Asgn #2 and Asgn #3 everyone has to do individually