

Assignment 5

Artificial Intelligence

Submitted By:

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SP22004

- First I have made an AI5.py to extract the facts and store them into the file which can be used further by the prolog program.
- Then prolog program takes the input from the facts saved in the text file from the previous program.
- The further program gives the recommended suggestions.

AI5 Program

- I have used python programming and Natural language processing libraries to get the facts from the input sentences.
- Preprocessing steps.
 - Lowering the words
 - Removing Punctuations
 - Lemmatizing words
 - Removed stop words
- Keywords are extracted and stored in the facts.txt.
- Following format is followed

o yes('keyword')

o no('keyword')

Output:

COURSE ADVISORY SYSTEM

Are You Interested In Computer Science?
|: n.

Are You Interested In Electronic And Communication?
|: n.

Are You Interested In Computer Science And Applied Mathemaics?
|: n.

Are You Interested In Computer Science And Design?
|: y.

Do you have basic programming skills ?|: y.
Do you know data structures and algorithm ?|: y.
Do you have interest in UI and UX ?|: y.
Do you know python ?|: n.
Do you know python ?|: n.
Do you know basic math ?|: y.
Do you have interest in animation ?|: n.
Do you know Machine Learning ?|: y.

ELECTIVES YOU CAN OPT:

Computer Graphics
Data Visualisation
Affective Computing
Computer Game Design And Development
Virtaul Reality

Activate Windows

COURSE ADVISORY SYSTEM

Are You Interested In Computer Science?

|: n.

Are You Interested In Electronic And Communication?

|: n.

Are You Interested In Computer Science And Applied Mathemaics?

|: y.

Are You Interested In Computer Science And Design?

|: n.

Do you know basic math ?|: y.

Do you have basic programming skills ?|: y.

Do you know java ?|: n.

Have you done any hand on project ?|: y.

ELECTIVES YOU CAN OPT:

Number Theory

Signals and Systems

Numerical Methods

Activate Winc