

AI-ASSIGNMENT 1

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First, the advisory system welcomes the user, and brief them the rules. Then it asks the user for their name.

Welcome to IIIT DELHI M.Tech Electives Advisory System!
I will help you find the best electives you can choose based on your interest areas and a few other important factors
For each question enter your answer followed by a full stop(.)

Please enter your name, followed by a full stop:

After entering the name, the advisory system greets us with hello, and ask us for the user's branch followed by CGPA.

Please enter your name, followed by a full stop:

Hello, shivam!
Select your branch from the following: 1.CSE 2.ECE 3.CSB Select the number(1 to 3):

Please enter your CGPA

Then the advisory system ask user for their skills.

Do you have good programming skills

Do you know the following languages?
Do you know c_plus_plus?

Do you know c?

Do you know python?

Do you know c_plus_plus?

Do you know c?

Do you know python?

Do you know java?

Do you know mysql?

Do you know unix?

Do you know matlab?

Please enter a Prolog term

After that the advisory system checks for the courses done by the user currently to check for the prerequisite conditions of certain courses.

I would now ask you about the courses you have currently done to check the pre-requisite conditions

Have you done dsa?

Have you done la?

Have you done pns?

Have you done multivariate_calculus?

Cannot run query due to a syntax error (check query window)

**** Execution aborted ****

2-

The program gets aborted if the user makes a syntax error like in this case, we entered y followed by a comma instead of full stop.

In that case, we need to restart the advisory system.

I would now ask you about the courses you have currently done to check the pre-requisite conditions

Have you done dsa?

y.

Have you done la?

y.

Have you done pns?

y.

Have you done multivariate_calculus?

y.

Have you done dbms?

y.

Have you done principles_of_communication_systems?

n.

Have you done signals_and_systems?

Please enter a Prolog term

Send Abort

After asking the user for their current completed courses, the advisory system further asks these kinds of questions to provide them with the best elective as per their interests.

Do you have high level knowledge in maths and like doing it?

y.

Do you have good knowledge in statistics?

y.

Are you interested in Machine learning field?

y.

Are you interested working with data?

y.

Do you like analysing and designing complex algorithms?

n.

Are you interested in network systems?

n.

Are you interested in operating systems?

Please enter a Prolog term

Send Abort

Then the advisory system asks the user whether they are interested in higher studies and research. It then shows a list of available electives according to their branch.

Are you interested in higher studies?

n.

Are you interested in research?

n.

These are the available electives to choose from: 1.Mobile Computing. 2.Advanced Algorithms. 3.Machine Learning. 4.Big Data Analytics. 5.Network Anonymity and Privacy.

After that, the advisory system analyses all the skills and answers provided by the user, and prints a list of best electives for them followed by their description from the IIIT DELHI Tectree page.

Below is the list of recommended electives for you shivam based on your interests/choices

The elective recommended for you is machine_learning

Brief description about the elective

This is an introductory course on Machine Learning (ML) that is offered to undergraduate and graduate students. The contents are designed to cover both theoretical and practical aspects of several well-established ML techniques. The assignments will contain theory and programming questions that help strengthen the theoretical foundations as well as learn how to engineer ML solutions to work on simulated and publicly available real datasets. The project(s) will require students to develop a complete Machine Learning solution requiring preprocessing, design of the classifier/regressor, training and validation, testing and evaluation with quantitative performance comparisons.

Then the advisory system returns true and exits.