Hope Artificial Intelligence

Scenario Based Learning

A company works with number of employees; all the works are dependents on the employees. Even if one of the employees resign the job immediately then assigned work will be not finished at the time, so delivery of the project to the clients will be delayed. Company planned to make solution for this, they want to know which employee may resign next. If they know previously, they can arrange alternative to avoid such problem. As an AI Engineer you must give Solution to this.

A) How will you achieve this in AI?

Ans:

We can achieve solution by knowing the data of the employees who may resign soon by using the input as experience, performance, promotion, salary hikes, stress level, and dissatisfaction at work. Also, we can use the past resignation employee data to train the model. So that model can easily predict which employee may resign.

B) Find out the 3 -Stage of Problem Identification

Ans:

1. Machine learning.
2. Supervised learning.
3. Classification.

C) Name the project

Ans:

Employee Resignation prediction system.

D) Create the dummy Dataset.

Ans:

Experience	Performance	promotion	Salary hike	Stress level	Dissatisfaction at work	Resignation prediction
5 years	50%	1	5%	80%	70%	May resign
10 years	100%	3	10%	50%	20%	Will not resign
2 years	100%	1	8%	100%	50%	May resign
1 year	90%	1	5%	100%	10%	Will not resign