Hope Artificial Intelligence

Scenario Based Learning

Question:

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.

Answer:

A) How will you achieve this in AI?

Machine Learning

B) Find out the 3 -Stage of Problem Identification

Machine Learning – Supervised Learning – Classification

C) Name the project

Employee Separation Predictor

D) Create the dummy Dataset.

EMP_NAME	DEPARTMENT	PROJECT_NAME	SKILL	EXPERIENCE	DURATION OF THE EMPLOYEE IN ORGANISATION	PAY BAND AND CURRENT SALARY	CURRENTLY WOKRING OR RESIGNED

Reason for choosing the Answer:

- ✓ We are able to get the details mentioned in the "Section D" in a excel format to predict. So we can choose **MACHINE LEARNING.**
- ✓ Since we have the clear input and the output (CURRENTHLY WORKING OR RESIGNED), we can choose **SUPERVISED LEARNING.**
- ✓ We are able to categorize the response variable as **WORKING OR RESIGNED,** So we can choose **CLASSIFICATION.**