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?

B)Find out the 3 -Stage of Problem Identification

C)Name the project

D)Create the dummy Dataset.

Solution:

How will you achieve this in AI?

We can predict here logically about the scenarios on employee will be resigning. Below are the possibilities

1. Low Performance rating
2. Low salary for the respective role and experience compared to market trend
3. Multi-tasking/Multiple works assigned to a role which eventually causes stress

Here it means working in more than one project.

3 -Stage of Problem Identification

Stage 1 - Domain Selection ---> Machine Learning

Since the input here for the dataset will be numbers, we choose ML

Stage 2 - Supervised Learning

Here as the requirement is clear and we have a labelled data as well

Stage 3 – Classification

Since output column is a categorical data, we choose Classification

Name of Project:

Resource Resignation Prediction

Dummy Dataset :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Emp.No | Perf.Rating(5 - 1) | Salary | Experience | Multi-Tasking? | Probability of leaving |
| 133456 | 1 | 5.5 L | 2 | no | Yes |
| 143262 | 2 | 3.2 L | 1 | no | Yes |
| 174354 | 4 | 6.5 L | 4 | no | Yes |
| 162247 | 2 | 8.02 L | 5 | yes | Yes |