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?

Answer:

To know whether the employees will be resigning or not, it is important know the employee's performance and satisfaction level. Below are the parameters that needs to be considered for employee resignation.

1. No. of years worked
2. Last 3 years performance rating
3. Monitoring daily activities
4. Interest at work
5. No. of leaves taken
6. current performance of the employees
7. Feedback from their manager
8. Satisfied/ Not satisfied
9. Salary as per market standard or not
10. Promoted/ not promoted
11. Responsibilities taken or not
12. Willingness to train freshers

B) Find out the 3 -Stage of Problem Identification

Answer:

a. Machine learning

b. Supervised

c. Classification

C) Name the project

Answer:

Prediction of Resignation or Resignation Prediction

D) Create the dummy Dataset.

Answer:

The AI tool can provide output as whether the employees will resign or not by collecting the below data.

S. No	Emp Name	No. Years worked in this company	Showing interest at work	No. of leaves taken in a month	No. of uninformed leaves	Current performance	Feedback from manager	Work satisfaction	Compromised with current salary	Promoted/ Not promoted	Willingness to take responsibilities	Chance of resignation (Output)
1	Praveen	10	Yes	0	0	Excellent	Very Good	High	Yes	Promoted	Yes	Very Low
2	Priya	5	Yes	5	1	Average	Good	Medium	No	Not Promoted	No	Medium
3	Sanjith	2	No	3	3	Average	Good	Low	No	Not Promoted	No	High
4	Nithin	4	Yes	4	3	Average	Not good	Low	No	Not Promoted	No	High
5	Arun	2	No	3	3	Poor	Not good	Low	No	Not Promoted	No	Very high