

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 will achieve this by using Supervised Machine Learning, treating it as a classification problem

B) Find out the 3 -Stage of Problem Identification

Ans: Business definition – impact of problem

Data Definition – casual factor

AI Solution – solution (Prediction)

C) Name the project

Ans: Employee Retention Proactive System -ERP Sytem

D) Create the dummy Dataset.

Ans:

Employee ID	Tenure (Yrs)	Avg Monthly Hrs	Yrs Since Last Promo	Performance Rating	Salary Level	Job Satisfaction	Prediction (Yes/No)
1001	2	240	1	High	Low	Low	Yes
1002	5	180	3	Medium	High	High	No
1003	1	260	0	Low	Low	Low	Yes
1004	10	150	5	High	Very High	High	No
1005	3	220	2	Medium	Medium	Low	Yes