Assignment - 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?

Prediction - Employee resign or Not

Call to action - if employee resign - Send Alert Auto email to HR(or) If no Alert No action required.

we can predicit employee resigniation using data collection example Survey feed back, Monthly performace review, salary package, Role, Age, experience and Time spend in office(In time, outime, away from system).

We can predicit alert using Color code, example Red Alert employee will resign, Green - No Alert.

B) Find out the 3 -Stage of Problem Identification

Using date collection in excel sheet so domain wil be Machine Learning

We have Input and Output data so it will be Supervised Learning

Out put come under categorical data so it will be Classification

Stage 1 - Machine Learning

Stage 2- Supervised Learning

Stage 3- Classification

C) Name the project

Employee Resignation Prediction.

D) Create the dummy Dataset.

Employee Name	Survey feed back	Monthly performance	Time spend in office	Role	Age	Experience	Output
Aravindh	5 – 5	Excellent	9 hours	Associate	24	2	No chance to resign
Kumar	4.5 – 5	Good	9 hours	Associate	25	3	No chance to resign
Vishnu	2-5	Average	7 hours	Senior-Associate	28	5	Change to resign
Deepak	3-5	bad	6 Hours	Senior-Associate	30	7	Change to resign