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?

B) Find out the 3 -Stage of Problem Identification

C) Name the project

D) Create the dummy Dataset.

Solution:

Based on the problem statement, if we predict the last working day of the employee, we can tackle it. We can predict the last working day based on the notice period of the employee and notify it to the management, a month prior the employee resigns.

Stage-1: Time Series Analysis.

Stage-2: Supervised.

Stage-3: Regression.

Data sheet:

Sl no.	Notice Logged on	Name of the Employee	Age	Designation	Experience	Salary	Last Working Day	Employee resignation alert
1.	29/05/2025	XYZ	28	HR Manager	6 years	12,00,000	29/08/2025	29/07/2025