

## 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?

Examines past employee data, such as who continued and who left the company. Based on this analysis, the AI will be able to predict which employee might resign in the future.

#### B) Find out the 3 -Stage of Problem Identification

Identify the Problem:

Unexpected employee resignations delay projects.

Analyze the Problem:

Causes include low pay, workload, and lack of promotion.

Define the Solution:

Predict which employee might resign.

#### C) Name the project

Employee Resignation Forecasting

#### D) Create the dummy Dataset.

Name	Age	Salary	Work Pressure	Job Satisfaction	Will Resign
Ram	40	30000	High	Low	Yes
Waqar	42	35000	Medium	High	No
Nadeem	36	28000	High	Low	Yes