

# 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.

Answer:

A) How will you achieve this in AI?

An Employee apply resigning order then know about when and which date employee won't be available

B) Find out the 3 -Stage of Problem Identification

Here it's based-on the Month to predict, so should use --> Time Series Analysis  
and input and output not clear, so it is Un-Supervised Learning  
and Categorized like Resign or Not Resign employee, so it is Classification

C) Name the project

Employee Resign Prediction

D) Create the dummy Dataset

Emp. ID	Emp. Name	Emp. Desitgnation	Emp. Exp	Emp.Salary
1	A	Devloper	5	10000
2	B	Support	6	20000
3	C	Devloper	9	40000