

# **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.
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### **A) How will you achieve this in AI?**

Ans: *Use old employee information to teach a computer to guess which worker might quit soon.*

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

Ans: *Stage 1 : Machine Learning.*

*Stage 2 : Supervised learning.*

### Stage 3 : Regression

C) Name the project

Ans : *Employee Resignation Prediction*

D) Create the dummy Dataset.

Ans:

EmployeeID	Name	Department	Tenure_Years	Salary	Overtime	Performance	Resigned
101	Raj	IT	2	42000	15	3	0
102	Martin	HR	6	52000	5	4	0
103	Sam	Sales	3	45000	20	3	1
104	Jack	Finance	10	75000	8	5	0
105	John	IT	1	38000	25	2	1

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