

# 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:**

- A) First, we collect the data from the client, next we make predictions and take call to action. then, we assign the dataset, from the dataset, we select the domain, & learning method determining whether it falls under classification or regression.
- B) **3-stage problem identification:**  
Domain-Machine Learning  
Supervised Learning  
Classification
- C) Name the Project- **“EMPLOYEES RESIGNING PREDICTION”**
- D) **Dummy Dataset**

| NAME        | DEPARTMENT | EMPLOYEE ID | AGE | OUTPUT LABEL |
|-------------|------------|-------------|-----|--------------|
| Balaji      | Mechanical | Mech12452   | 34  | Resign       |
| Sai Kowshik | Civil      | Civil45783  | 30  | Resign       |
| Bala        | Mechanical | Mech98125   | 26  | Resign       |
| Viji        | Accounts   | AC0001      | 43  | Working      |
| Selvi       | CSE        | CS78563     | 28  | Working      |
| kishore     | CSE        | CS97145     | 25  | Resign       |
| Dharsan     | Mechanical | Mech92345   | 32  | Working      |