

## Hope Artificial Intelligence

### Scenario Based Learning

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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?

#### Logic:

1. **Create a table** with fields: Employee ID, Name, Projects, Resigned/Not, assign a new employee
2. **Data Available:** Employee ID, Name, Projects
3. **Resignation Form:** Allow employees to submit resignations digitally.
4. **Frontend:** Input form with fields – ID, Name, Resign (Yes/No).
5. **Backend:** Update the employee table with Resigned/Not.
6. **If Resigned:** Automatically assign a new employee to the project

B) Find out the 3 -Stage of Problem Identification

Stage 1. **Machine Learning**

Stage 2. **Semi-Supervised** → Convert into Supervised Learning

Stage 3. **Classification**

C) Name the project

#### Redirect the Project

D) Create the dummy Dataset.

Input1	Input2	Input3	Output1	Output2
Employee ID	Employee Name	Projects	Resigned/ Working	Assign a new employee
ID1	Subramani	Project1	Resigned	Assign New Employee
ID2	Ravi	Project 2	Working	