

**Problem Statement:**

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. Use employee's dataset for prediction and take call to action
- B. Machine Learning→Supervised→Classification
- C. Employee Resignation Prediction Project
- D. Employee ID → Employee Name→ Employee Department→No.of days worked→Resigned→ Not resigned

**Dummy Dataset:**

Employee_ID	Name	Department	Days_Worked	Job_Satisfaction	Absences	Promotion_Count
101	Salman	IT	1200	3	5	1
102	Rubhini	HR	800	4	2	0
103	Yogana	Finance	1500	2	7	2
104	Ramisha	Marketing	900	5	3	1
105	Reshma	IT	1300	2	6	1