

## Scenario Based Learning- Question

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 -Stages of Problem Identification
- C. Name the project
- D. Create the dummy Dataset.

### Solution:

A. Here the client's requirement is clear. So collect the required dataset from the client and process it further for 3 -Stages of Problem Identification.

B. 3 -Stages of Problem Identification:

Stage 1- Machine Learning    Stage 2 – Supervised Learning  
Stage 3- Classification

C. Project Name: Abdicate Prediction

D. Dummy Dataset

Name	ID	Gender	Age	Work Experience		Economic Status	Commitment (Personal) Level Eg: Loan, Marriage, Pregnancy	Dedication Level	Abdicate Possibility
				Past	Present				
Paari	V1	Male	40	3	15	Upper Middle	Low	High	Stay Longer
Aadhini	V2	Female	35	0	8	Lower Middle	Moderate	Low	Relieve Lately
Vengaivizhi	V3	Female	33	1	6	Lower	High	Moderate	Stay Longer
Kani	V4	Male	25	0.4	3	Upper Middle	Low	Low	Relieve Soon