

# 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? –

We can build an ML model for the employee resignation prediction system by using the inputs collected from the employee about job satisfaction.

B) Find out the 3 -Stage of Problem Identification

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

C) Name the project

Employee Resignation Prediction System

D) Create the dummy Dataset.

EmpID	Depart	Job Satisfaction Rate upto 5 1- Not enjoy 5- Enjoy	Years of experien ece	Years at Compan y	Salary	Attrition
E001	IT	2	5	4	40,000	Yes
E025	Sales	4	3	2	45,000	No