

- A. How will you achieve this in AI?
1. Data collection: Gather historical data that might include tenure in the organization, salary, appraisal data, work life balance, on site opportunities given, previous history etc.
 2. Feature engineering: Identify and create relevant features from the collected data that might influence an employee's decision.
 3. Select appropriate ML models
 4. Train the model
 5. Prediction
 6. Continuous Evaluation
- B. Find out the 3 - Stage of Problem Identification
1. Machine Learning
 2. Supervised – Have labeled data like resigned or not is used to train the model
 3. Classification – As we decide Yes / No for resignation
- C. Name of the project
1. Prediction for Employee Resignation
- D. Create the dummy Dataset

Employee Number	Tenure in the organization (years)	Salary	Appraisal Rating	Resigned (Yes/No)
1000	12	80000	Average Performer	Yes
1001	7	60000	Medium Performer	No
1002	8	62000	Top Performer	No
1003	2	18500	Top Performer	Yes