

A company works with number of employees; all the work is dependent on the employees. Even if one of the employees resigns from the job immediately then assigned work will not be finished at the time, so delivery of the project to the clients will be delayed. Company planned to make solution for Thus, they want to know which employee may resign next. If they know previously, they can arrange alternative to avoid such problems. As an AI Engineer you must give Solution to this.

A) How will you achieve this in AI?

Answer: we need to identify what is the input and output statement with call to action.

Input: Employee data – name, age, Salary, Appraisal score, employee rating, emp Experience, no of years in current company, employee expectation, employee satisfaction score and etc

Model: To Identify the employee attrition score based on input statement and history of employee attrition pattern, identify the employee to resign or not based on input data

Call to Action: Identify and report the employee who is possibly going to resign within 2 months based on result score

B) Find out the 3 -Stage of Problem Identification

Machine Learning - Employee Data to be analyzed from HR module (mostly numeric)

Supervised Learning – Input to output is clearly defined, output- Employee resign or not

Classification - Employee will be categorized based on resign or not

Machine Learning → Supervised Learning - > Classification

C) Name the project: Employee attribute identification

D) Create the dummy Dataset.

Employee Id	Name	Age	Salary	Mgr score Out of 100	Rating Out of 10	Result
101	Sangar	40	65000	50	7	Not Resign
102	Ganesh	30	50000	10	1	Resign
103	Navin	45	75000	60	8	Not Resign