

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?

To predict which employee may resign next, we can use AI and machine learning techniques.

B) Find out the 3 -Stage of Problem Identification

Stage -1: Machine Learning

Stage -2: Supervised

Stage-3: Classification

C) Name the project

Predictive Employee Resignation for Project Management

D) Create the dummy Dataset

EmployeeID	Gender	Age	Tenure	ProjectsCompleted	PerformanceRating	JobSatisfaction	Resigned
0622	Male	35	5	5	7	8	0
0633	Female	40	8	10	8	8	0
0533	Male	45	10	12	8	9	1

Note : "Resigned" is a binary indicator (0 for not resigned, 1 for resigned)