

Problem Identification Assignment

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

Solution:

- A) How will you achieve this in AI?

The system should identify working workers who are likely to resign from their positions using historical data sets including employee age, monthly wage, date of joining, designation, and job status, and deliver the relevant output. In order for the organization to quickly arrange the alternative.

- B) Find out the 3 -Stage of Problem Identification.

Machine Learning – Supervised - Classification

- C) Name the project.

Employee Stability Prediction

- D) Create the dummy Dataset.

Emp ID	Name	Designation	Age	Salary per month	DOJ	Emp status	O/P
IM378	Raj	Officer	28	8000	1-Apr-17	Resigned	
IM379	Kumar	Manager	43	20000	31-Mar-15	Working	Going to Resign / Not
IM380	Ramesh	Clerk	31	7000	4-May-18	Working	Going to Resign / Not
IM381	Nithin	Deputy Manager	29	15000	8-Dec-21	Working	Going to Resign / Not
IM382	Melvin	Officer	26	14750	6-Jan-20	Resigned	
IM383	Ashok	Manager	32	17500	2-Nov-19	Working	Going to Resign / Not
IM384	Naresh	Team Lead	35	19000	16-Sep-22	Resigned	
IM385	Lakshmi	Deputy Manager	30	17000	23-Jul-21	Working	Going to Resign / Not
IM386	Rohit	Sr Manager	40	32000	11-Aug-17	Resigned	
IM387	Nivin	Manager	37	16000	3-Feb-18	Working	Going to Resign / Not

IM388	Rakesh	Officer	27	11000	21-Oct-21	Working	Going to Resign / Not
IM389	Devan	Deputy Manager	30	14000	15-Apr-22	Working	Going to Resign / Not
IM390	Ramesh	Clerk	25	10000	4-Jun-22	Resigned	
IM391	Vinoth	Sr Manager	38	20000	28-Jan-20	Working	Going to Resign / Not
IM392	Giri	Team Lead	29	25000	24-May-21	Working	Going to Resign / Not
IM393	Jobun	Manager	35	18000	9-Aug-16	Resigned	