

Hope Artificial Intelligence

SCENARIO BASED LEARNING

PROJECT NO – 7

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?

In this problem statement our client clearly shows that they want to know the person who resign next, so automatically [we should predict the particular employee resign or not](#)

B) Find out the 3 -Stage of Problem Identification

Stage 1

- Inputs are numbers (eg- employee register number).

We chose [machine learning / deep learning](#)

Stage 2

Requirement is clear and out label is also clear so we go with [supervised learning](#) (Note: if input has no out label consider as semi-supervised and after out label created same as supervised learning procedure)

Stage 3

We should predict resign or not so we chose [classification](#)

C) Name the project

Employees resign prediction

D) Create the dummy Dataset

For machine/deep learning

Name	Reg.No	Age	Salary	Position	Marital status	Medical history	Disaster zone	Up skilling	Prediction
Arun	Ar3001	22	20K	Junior	No	Good	2	Yes	Will resign
Mani	Mn3001	22	20K	Junior	No	Good	3	No	Working
Ravi	ra3001	25	30K	Senior	Married	Good	1	Yes	Will resign