

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?
- B) Find out the 3 -Stage of Problem Identification
- C) Name the project
- D) Create the dummy Dataset

Solution:

- A. First selecting the Domain for the given scenario. Then identifying the learning method whether it is supervised learning or unsupervised or semi-supervised for this scenario and if it is supervised then identifying whether it is coming under Regression or Classification method.
- B. Stage 1: Machine- Learning method
Stage 2: Supervised Learning
Stage 3: Classification
- C. Name of the project : Employee Retention Predictor
- D. Dummy Dataset

INPUTS				OUTPUTS
Employee Name (I1)	Employee ID (I2)	Planning to resign within a month or 2 months(I3)	Tentative number of days for resigning (I4)	Alternative solution after their resign (O)