

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.

A) How will you achieve this in AI?

Input: Today' date

Prediction: Predict Exit date of employee based on resign date along with notice period

Call to action: Available working days (Today's date-Exit Date) in ascending order along with Employee Details

B) Find out the 3 -Stage of Problem Identification

Domain selection – Machine Learning

Supervised Learning

Classification

C). Name the project: Exit Employee Prediction

D). Dummy Data set

Dummy Data Set									
Employee Name	Employee_number	Department	Salary	Age	Marital Status	Gender	Designation	Promotion	Years_Exp
XXX	123	Mechanical	25000	25	Unmarried	M	Supervisor	No	2
YYY	456	Carpentry	30000	40	Married	F	Manager	No	15
ZZZ	789	Wiring	50000	57	Married	M	Manager	Yes	25

Input:

Salary	Age	Marital Status	Gender	Promotion	Years_Exp
25000	25	Unmarried	M	No	2
30000	40	Married	F	No	15
50000	57	Married	M	Yes	25

Prediction:

Prediction		
Employee Name	Employee_number	Resign Status
XXX	123	Not Resign
YYY	456	Resign
ZZZ	789	Resign

Output:

Output		
Employee Name	Employee_number	Resign Status
XXX	123	Not Resign

YYY	456	Resign
ZZZ	789	Resign

Call to action:

These Employees will Resign, so please do allocation based on Deadline.