

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 |

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.