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:**

**Problem statement** – All employees of a company are assigned with project tasks, which makes the project completely dependent on employees. When an employee resigns, it becomes difficult for the project team to complete the schedule as planned. Company planned to make solution for this, they want to know which employee may resign next, so that they can arrange alternative to avoid such problem.

**Solution Analysis:**

1. What is to be predicted – Which employee would resign next?
2. How to predict outgoing employees? –

If the company has an **employee portal**, following details should be captured to predict if the employee would resign.

1. Employee ID
2. Employee Name
3. Total years of experience
4. Experience in the current company
5. Domain
6. Salary
7. Stages Identification:

* Stage 1 – Machine Learning
* Stage 2 – Supervised Learning
* Stage 3 – Classification method

**Name of the Project:** - Project Continuity Assurance System

**Dummy Dataset:**

**Generate data from Emails**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Emp Id** | **Emp Name** | **Total exp** | **Exp at xyz company** | **Domain** | **CTC in LPA** | **Label** |
| 1123 | Deepa | 14 | 10 | Cloud | 18 | Will Resign |
| 1567 | Raja | 2 | 1 | AI | 8 | Will Not Resign |
| 5555 | Peter | 17 | 2 | AWS | 30 | Will Not Resign |
| 6789 | Rani | 7 | 7 | Oracle | 12 | Will Resign |
| 1002 | Kannan | 19 | 5 | AI | 30 | Will Resign |