**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.

1. How will you achieve this in AI?

Dataset (Date)

Input to the Model

Predict

**AI**

**Prediction**

\

Project Completed

Project not completed

**Call to Action**

Handover

Closed

1. Find out the 3 -Stage of Problem Identification

1. Domain Selection-Machine Learning

2. Supervised learning

3. Classification

C) Name the project

Resignation Prediction

1. Create the dummy Dataset

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Employee | Resignation Date | Project Status |
| 1 | Raja | 10/2/2024 | Not Completed |
| 2 | Kumar | 5/3/2024 | Completed |
| 3 | Sita | 21/2/2024 | Not Completed |
| 4 | Sheela | 11/3/2024 | Not Completed |