Scenario Based Learning Assignment

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. Using AI we can easily make prediction by processing the employees data from which we can get to know when the person is going to resign or not   and based on the information we can assign the Call to action

B. 3-stages of Problem Identification

There are three stages for this

Stage-1: Domain Selection

Machine Learning

Stage-2: Learning Selection

Supervised Learning because we clearly know the requirement

Stage-3: Based on the Learning Want to find if it falls under Classification or Regression

Classification we can label the output as classify category

Input 1/ EMPID	Input 2/ NAME	Input 3 /Department	Label/output
101	Abi	Sales	Resigning
110	Ram	Marketing	Not Resigning

c. Name of the Project

 Employee Time Line predicition

D. Create Dummy Dataset

Emp ID	Name	Department	Notice Period	Role	Date of Joining	Date of Leaving	Age
101	Shree	Sales	Yes	Team Lead	10/03/2021	23/11/2023	30
102	Sangeetha	IT	No	Software Engineer	09/07/2019	Not Applicable	25

| 103 | Siva | Marketing | Yes | Support Engineer | 12/08/2020 | 07/12/2022 | 29 |