Scenario Based Learning - Assignment 1

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.

Project Name : Employee Availability

1. Input Provided is Employee with Employee ID's -> Employee ID = Numbers , Hence selected the Domain as Machine Learning
2. Based on the Probability of Resignation , the Output can be derived
3. Both Input and Output are available -> So it is a Supervised Learning
4. Company Category is based on Employees – so it is a Category , hence I am deriving this as

Machine Learning > Supervised > Classification

Project : Employee Availability

Input		Output
Employee ID	Probablity of Resignation	Replacement required
101	FALSE	No
102	FALSE	No
103	FALSE	No
104	FALSE	No
105	TRUE	Yes
106	FALSE	No

1.Input - Employee ID -> Numbers

2. Input and Output -> Both are defined -> Supervised

3.Category - Employees - > Classification

so it is Machine Learning > Supervised > Classification