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?**

**Why they are resigning the Job.**

1. Financial Issue.
2. Health issue
3. Better opportunity
4. Work Pressure
5. **Open Talk Survey**, what are the problem employees are facing like, Issue , Opportunity, Work Pressure.

**Are they Willing to work this company?**

1. If yes, Why they are willing to work?

**Reason**

* Satisfied the work and salary
* Work life balance

1. If No, Why they are not willing to work?

**Reason and When they are going to serve Notice Period, This week, Next week, Next month, 3 moths later**

* Work Pressure
* Financial Issue
* Better Opportunity
* Health issue

**Find out the 3 -Stage of Problem Identification**

1. In this Survey we can get the Input and output of all the employees and how long they will be working in that company and when they are going to serve the notice.
2. Now we have very clearly had Input and output – Like How may employee going to serve notice and when.

* 1. The Input represent – Number of employes
* 2. Output Whether he/she resign/not resign

1. Based on the input and output – This comes under **Machine learning**

* We have input and out hence it comes **under Supervised Learning**
* Since the out is prediction like **resign/not resign**. Hence this comes **Under classification**

**C) Name the project**

**Resign Employee Prediction**

1. **Current working employee survey Data so that we can predict Whether the employee resign or not.**