Problem Identification Assignment

Scenario

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:

A) **How will you achieve this in AI?**

For this Problem Statement, we have to collect the following Data of the previous resigned employees.

Resigned employee's data:

1. How log the employee worked in that company
2. Salary and Role. Other company salary for the same role.
3. Attendance
4. Employees personal information: 1. marital status 2. home location 3. Qualification 4.Gender
5. Work load of the employee for the past months of resigned date
6. Performance and working Hours of the employee for the past months of resigned date

By collecting the Past data, we can make prediction of the employees having high probability to resign the work by matching the current employee's data with previous data.

B) **Find out the 3 -Stage of Problem Identification:**

Stage1:

To satisfy the above strategy we can approach **Machine Learning** algorithm.

S**tage2:**

Supervised Learning: Going to use the Labelled data.

Stage3:

Classification: we can categorize the employee will resign and won't resign**.**

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C) Name the project : Employee Resignation predictor.

D) Create the dummy Dataset.

S.no	Education	Role	Gender	Salary	Age	Attendance	Productivity/ performance	Experience In current company	Work Location	Native location
1.	**U.G**	**sales**	**Male**	**3.5LPA**	**25**	**60%**	**50%**	**2**	**CBE**	**CHENNAI**
2.	**P.G**	**Manager**	**Female**	**20LPA**	**30**	**90%**	**72%**	**7**	**CBE**	**CBE**
3.	**P.G**	**sales**	**Male**	**3LPA**	**23**	**80%**	**80%**	**1.5**	**CBE**	**Kerala**
4.	**U.G**	**manager**	**Male**	**25LPA**	**35**	**50%**	**30%**	**9**	**CBE**	**BLR**