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.

**Solution:**

Predict-Employee attrition

1. Using Time Series
2. **3stage**
3. Stage1-> Time Series

Stage2->Supervised

Stage3->Classificatiom

c)Employee Attrition prediction

D) Dataset: Input

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Emp.ID | Name | Age | Department | Jobrole | Years at company | performancerating |
| 101 | A | 23 | IT | QA | 4 | 4 |
| 102 | B | 42 | HR | MANAGER | 12 | 3 |
| 103 | C | 35 | FINANCE | ACCOUNTANT | 2 | 4 |

Output

|  |
| --- |
| Resigned |
| NO |
| YES |
| NO |