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.

1. How will you achieve this in AI?
2. Find out the 3 -Stage of Problem Identification
3. Name the project
4. Create the dummy Dataset.

**Solution:**

A)We can give feedback forms to the employee to fill.

B) 3 stages of Problem identification are:

Stage 1: **Natural Language Processing** - I opted for NLP because the Input / feedbacks are

In **TEXT BASED**

Stage 2: **Supervised Learning** – because

1. Requirements are very clear
2. We have clear Inputs and output

Stage 3**: Simple Linear Regression –** because We have single input and single output.

1. Name Of The Project : **Employee’s Resignation Prediction**
2. Dummy DataSet:

**Company’s Feedback Form**

|  |  |  |
| --- | --- | --- |
| Feedbacks | Output( positive or Negative feedback) | Lables:  If +ve:  Print(“0”)  Else:  Print(“1”) |
| Employee 1 form | Positive | 0 |
| Employee 2 form | Negative | 1 |
| Employee 3 form | Negative | 1 |
| Employee 4 form | Positive | 0 |
| Employee 5 form | negative | 1 |