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.

**Answers:**

1. It depends on the datasets.
2. First Approach – We can send feedback survey to employee and then we can predict
3. Second Approach – With the latest data from the HR department we can predict
4. **First Approach: (With Feedback Survey)**
5. NLP
6. Supervised Learning
7. Classification

**Second Approach: (With HR Data)**

1. Machine Learning
2. Supervised Learning
3. Classification
4. Name of the Project: **Employee Exit Risk Prediction**
5. Create the Dummy Dataset
6. First Approach: (With Feedback Survey)

|  |  |  |
| --- | --- | --- |
| Feedback Question | Reply | Employee Exit Prediction |
| Are you happy working in the company | Yes. I’m happy | No |
| Do you recommend this company to your friends | No. I would not recommend as there is no work life balance | Yes |
| Do you think you are valued in the team | I’m valued and it encouraged me to work to fullest | No |

1. Second Approach: (With HR Data)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Emp ID | Year of Experience | Month at the level | Satisfaction Survey | Performance Rating | Salary | Employee Exit Prediction |
| 121 | 2 | 1 | 5 | 3 | 30000 | No |
| 122 | 8 | 6 | 2 | 4 | 40000 | Yes |
| 123 | 10 | 2 | 4 | 3 | 80000 | No |