**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?

Based on the job satisfaction level data which includes the data on the various aspect of salary, facility given by the company, accident if any, Experience, etc., we can achieve if it is Positive to continue with the comapny, If it is negative we can predict as resign.

Employee

Employee

Job Satisfaction Level

Low

below 50%

High/Medium above 50%

Negative

Positive

Resign

Continue

B) Find out the 3 -Stage of Problem Identification

Machine Learning > Supervised Learning > Classification

C) Name the project

Employee resignation Predictor Model

D) Create the dummy Dataset.

|  |  |  |
| --- | --- | --- |
| **Employee** | **Job Satisfaction level** | **Output** |
| E01 | 80% | Positive |
| E02 | 10% | Negative |
| E03 | 50% | Positive |
| E04 | 30% | Negative |