Scenario-Based Learning - Assignment 1

A company works with many employees, all the works are dependents on the employees. Even

if one of the employees resigns from the job immediately the assigned work will be not finished at the time, so delivery of the project to the clients will be delayed. The company planned to make a solution for this, they want to know which employee may resign next. If they know previously, they can arrange alternatives to avoid such problems. As an AI Engineer, you must give a 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:

1. How will you achieve this in AI?
   1. Track employees’s profiles who are all active in the Job portal and looking for a job
   2. Track the project status and who lost interest and caused a delay in the process.
   3. Those who initiate the resignation must serve a 1-3 months notice period and give Knowledge transfer to new joining employee

B. Find out the 3 Stages of Problem Identification

1. Stage1 - Machine Learning - Number based inputs

2. Stage2 - Supervised - Requirements is clear

3. Stage3 - Classification - Categories the employees and filter them

C. Name the Project - Employee Monitoring Model

D. Create the dummy Dataset

1- Yes

0- No

Input1 - Looking for a Job

Input2 - Project Status

Input 3 -Notice Period

Output - Resign / Not Resign

|  |  |  |  |
| --- | --- | --- | --- |
| Input1 | Input 2 | Input 3 | Output Values |
| 1 | 1 | 1 | Resign |
| 1 | 0 | 0 | Resign |
| 0 | 0 | 0 | Not Resign |
| 0 | 1 | 1 | Resign |
| 0 | 0 | 1 | Resign |