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.

stage 1- Machine Learning (No of Employee name,sex,role, performance rating, expected month of reviling)

stage 2 - Requirements(They want to know which employee will resign at the earliset,so they can arrange alternate employee)

stage3 - classification - yes or no type

Machine Learning, supervised classification.

**Employee workflow**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | **Name of the employee** | **Age** | **Sex** | **Performance** | **Date of Join** | **excepted Month of relieving** | **Confirmation** | **label** |
| 1 | Sindhu | 35 | F | 5 |  | June | Yes | will resign |
| 2 | Sekar | 36 | M | 4.5 |  | July | Yes | will resign |
| 3 | Vikram | 28 | M | 3 |  | June | Not confirmed | may not resign |
| 4 | Yuvan | 27 | M | 4 |  | August | yes | will resign |
| 5 | Varsha | 23 | F | 4.5 |  | July | Not confirmed | may not resign |