A company works with number of employees, all the works are dependents on the employees. Even if one of the employees resign the job immediate 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.**

**A) How will you achieve this in AI?**

We need to get the data of productivity and quality of the work of the employees to predict who will be the next likely to be resign. If we know that we can plan the Knowledge Transfer session/ program between that employee and others.

We need

**B) Find out the 3 -Stage of Problem Identification**

Stage 1: Machine Learning

Stage 2: Supervised Learning

Stage 3: Classification

**C) Name the project: Employee resign or stability prediction**

**D)Create the dummy Dataset:**

**Name of the Employee Department Total no Productive hours**

**Total number of Productive hours**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Employee Name** | **Total no of hours worked per day** | **Total no of active hours per day** | **Total no of Ideal hours per day** | **Resign** |
| **AAA** | **40** | **39** | **1** | **No** |
| **BBB** | **38** | **36.5** | **1.5** | **No** |
| **CCC** | **40** | **35** | **5** | **Yes** |
| **DDD** | **34** | **32** | **2** | **Yes** |