**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.

1. How will you achieve this in AI?

Get input data from Company regarding Exployee data. But the requirement is very clear. This may be more related to Age, Distance from home to work, Mode of transport or something like that. So, this is number based - Machine Learning and Supervised.

1. Find out the 3 -Stage of Problem Identification
2. Machine Learning
3. Supervised Learning
4. Classification
5. Name the project

Job Quit Prediction

1. Create the dummy Dataset.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Age** | **Distance from home (in Km)** | **Mode of Transport** | **Output** |
| Anjali Rao | 29 | 5.2 | Bike | Working |
| Rajesh Kumar | 42 | 12.7 | Car | Resigned |
| Meera Iyer | 35 | 3.4 | Bus | Working |
| Sunil Sharma | 50 | 20.5 | Train | Resigned |
| Arjun Patel | 26 | 15.3 | Car | Working |
| Priya Das | 38 | 1.2 | Walk | Working |
| Nitin Verma | 44 | 18 | Bus | In Notce Period |
| Sneha Jain | 27 | 4.8 | Metro | Working |
| Deepak Nair | 33 | 9.6 | Bike | In Notce Period |