**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? – We can conduct a job satisfaction survey with the employees & based on their response we can predict who will resign from the company.

B) Find out the 3 -Stage of Problem Identification – NLP/Supervised/Classification

C) Name the project – Resign Activity

D) Create the dummy Dataset

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| --- | --- | --- | --- | --- | --- |
| Employee Name | Employee Number | Year Of Joining | Satisfaction Level In Company | Satisfied With Salary | Planning To Resign Job In Near Future |
| Xy | 1228 | 2015 | Low | No | Yes |
| Ab | 2452 | 2017 | Medium | May Be | May Be |
| JC | 3267 | 2018 | High | Yes | No |
| DJ | 7261 | 2023 | Low | No | Yes |
| DX | 5118 | 2020 | High | Yes | No |