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?

To predict which employee may resign next, an AI system can be developed by analysing various factors such as employee performance, job satisfaction, work-life balance, salary, and benefits. This can be achieved by collecting data from various sources such as employee surveys, performance evaluations, HR records, and social media activity.  
  
The collected data can be analysed using machine learning algorithms to identify patterns and trends that indicate the likelihood of an employee resigning. The AI system can then generate a list of employees who are at high risk of leaving the company

B)Find out the 3 -Stage of Problem Identification

Stage-1 :

I choose to work in Machine Learning domain

Stage-2 :

The Learning Selection will be Supervised Learning

Stage-3 :

The output will be in Regression format.

C)Name the project:

This project is titled as “Notice period prediction”

D)Create the dummy Dataset

|  |  |
| --- | --- |
| Input | Target |
| Employee Surveys | If the rating is low he may not proceed with our company or else he will be stay with us |
| Job satisfaction | If the rating is low he may not proceed with our company or else he will be stay with us |