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?

Stage 1:
First we need to understand the problem statement. Then we have to select the Domain based on the Data Set.

Stage2:
Then we have to identify Superwised/Un_Superwised/Semi_superwised. Based on the Data Set

Stage3:
Need to identify what is the output? Are we getting any numbers as output or a category to know Classification or Regression.

After this we can get started with Coding.

Based on the result we have to perform a call to action.
Here call-to-action is identifying an alternate candidate with similar skill set.

B) Find out the 3 -Stage of Problem Identification

Stage 1 : NLP (Data Set is in Text)
Stage 2 : Supervised Learning (It has both inputs and Outputs)
Stage 3 : Classification (Identifying employees who are actively looking for job change)

C) Name the project : **NEXIT** *(NEXT + EXIT)*

D) Create the dummy Dataset.

Table 1: current_employee_monthly_feedback

Employee Id	Experienced/Fresher	Monthly Feedback	Any Recent activity in Job search web site
100983	Experienced	Work life balance, Good Management, Company policy good.	No

100645	Fresher	Team is not good, Politics, Less pay	Yes
100623	Experienced	Poor work life balnce	Yes

Table 2: previous_employee_exit_feedback

Employee Id	Experience/Fresher	Exit Feedback
100345	Experienced	Nothing new to learn
100234	Fresher	Not happy with salary revision

Call to action :

Send an email notification to HR team to look for similar skill set resources.
Update in company website about open position in organisation.