

Hope Artificial Intelligence

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?

B) Find out the 3

Stage of Problem Identification

C) Name the project

D) Create the dummy Dataset.

A) I'll create an entry system to fill the possibility of their resignation for each month from 1-10. So, the AI system assigns the separate projects whoever put their possibility 8 and above. The company can decide the threshold. If someone puts the possibility 8, he'll be assigned to a project with a person who puts the possibility below 4. By using the past dataset of how many years the employees are working in the company before they resigned. So, in the call to action part, whoever has the least possibility for resignation will be assigned for new projects; whoever has the most possibility of resignation will be assigned with a team. Finally AI will provide who will handle the projects even if they resign their job.

B) Stage 1 - Machine Learning

Stage 2- supervised learning

Stage 3- classification

C) Projects assignment control AI

D)

employee's name	the possibility of their resignation	how many years are they working?	prediction	project allocation
arun	7	2	yes	no
xyz	3	1	maybe	yes
abc	0	<1	no	yes
efgh	0	<1	no	yes
ijkl	2	1	maybe	yes

