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?

I suggested to implement Machine Learning and use 'Semi-Supervised Learning'. Because company wants to know on monthly info. such as how many employees are expected to resign.

B) Find out the 3 -Stage of Problem Identification

a. Get Total Department in a company to check how many employees are working on each.

b. Each Department take a count of employees and split them grade wise

c. Conduct 'Employee Appraisal System' thru 1 on 1 meeting: and share the Performance Rating to each employee. Analyse the employee feedback and take further action as to retain or resign

C) Name the project

"Employee Appraisal System (EAS)"

D) Create the dummy Dataset.

Emp#	Emp. Name	Grade	Department	H1 (Jan-June) Perf.	H2 (July-Dec) Perf.	Expected Resign (Y/N/MB)	Reason for Resign	Dep. Resign Count	Replacement	Status
001	Abc	F1	Finance	Good	Average	N	NA	0	NA	Retain
002	Def	S1	Sales	Average	Poor	Y	Personal	1	Identified	Resign
003	Ghi	M1	Marketing	Average	Average	N	NA	0	NA	Retain
004	Jkl	D1	Management	Average	Average	Y	Vehicle	1	Identified	Resign