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 not be 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 a AI Engineer you must give Solution to this.

A) How will you achieve this in AI?

Model Creation(Learning process) – Prediction – Product/Deployment/Implementation(Call to Action)

B) Find out the 3-Stage of Problem Identification

Stage-1: Machine Learning

Stage-2: Supervised Learning

Stage-3: Classification

C) Name the project

Employee Resignation Prediction

D) Create the dummy Dataset

Gender	Age	Absenteeism at work	No. of years working in the company	Employee satisfaction Level	Salary	Workplace Accident	Work life Balance	Promotion Received in last 5 years	Target Achievement	Punctuality	Output
Male	32	Low	5	Medium	Medium	yes	Medium	0	High	Medium	Not Resign
Female	27	High	3	Medium	Low	No	Low	0	Medium	Medium	Resign
Male	45	Medium	10	High	High	No	High	1	Medium	High	Not Resign