

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.

Solution :

- A) The above problem statement is very clear in its requirement, hence an AI model can be identified , data set can be applied to the model and prediction of employee will retain or resign can be done

B) 3 – Stage Problem Identification

Stage 1 – Problem Identification:

Machine Learning

Stage 2 – Learning Selection:

Supervised Learning , since the requirements are clearly stated and the I/p (Employee details provided by company) and O/p (prediction) are well defined.

Stage 3 – Supervised Learning – categorical

Classification

C) Name of the project: Employee Retention Identifier

D) Dummy DataSet:

S.No	Employee Code	Name	M/F	Age	DOJ	Position	Status
1	E001	XXX	M	25	12.6.22	SE	Resign
2	E002	YYY	M	34	01.08.22	SSE	Retain
3	E003	AAA	F	36	15-03.23	TL	Retain
4	E004	BBB	M	29	21.05.23	SSE	Resign
5	E005	CCC	F	38	02.11.23	TL	Retain
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