

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?

Using Time series analysis we can achieve this in AI
Because based on notice period & last working day of employee we can predict who are all going to resign on particular month.

B) Find out the 3 -Stage of Problem Identification

- 1.Time series Analysis

Because we are going to predict resignations of employees in particular period
- 2.Supervised learning

Requirement is clear, and HR have all employees name, department and notice period and last working day
- 3.Classification

O/P is Resignation Approved or Not approved

C) Name the project

Pre-Notification of Resignations

D) Create the dummy Dataset.

Inputs						Output
Emp id	Emp.name	Dept	Join dt	last day of employment	Approved last Dt	status
1	Ram	Sales	01-01-2021	30-06-2025	30-06-2025	Approved
2	Raja	Fin	01-03-2000	30-07-2025		Not Approved