1. Here our prediction is to find when the employee will be resigning from the company. Based upon his prediction we need to assign the tasks to the other employees upon their workload which is the expected call to action.
2. Stage 1:

We will be using the Time Series Analysis, since we need to find the prediction when the employee will resign from the company.

Stage 2:

Since resignation day will not be an immediate one. An employee must serve his notice period for a minimum of days. So based upon these data we can plan when the employee will resign.

So the input parameter will be like whether the employee has put the paper and his notice period remaining days. The output will be When the employee will resign.

So it is supervised learning.

Stage 3:

Since we need to predict when the employee will resign. It is a date. So we will be using the regression method.

1. Name of the Project: Employee Resignation Prediction
2. Sample DataSheet

| **Name** | **Has Put Papers** | **Notice Period(days)** | **Resigning date** |
| --- | --- | --- | --- |
| Dane | Yes | 60 | 19-08-2025 |
| Krill | No | Nil | Nil |
| Aden | Yes | 15 | 14-07-2025 |
| Smitn | No | Nil | Nil |