

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.

### **How will you achieve this in AI?**

Get the all employee details with attendance details and productivity, so that we can analysis the productivity and attendance details, if the employee taken more leave on recent time may the employee given the interview for another job.

### **Find out the 3 -Stage of Problem Identification**

Stage 1 - Machine Learning for Productivity

Stage 2 – Unsupervised because based on employee attendance and productivity, not sure the employee gonna leave

Stage 3 – Categorical

Stage 1 - Time series analysis for calculate employee leaves

Stage 2 – Supervised

Stage 3 – Categorical

### **Name the project**

Employee Retention

### **Create the dummy Dataset.**

**For Productivity** – Based on productivity, employee may plan to switch job

<b>Current Month</b>	<b>56%</b>
<b>Last Month</b>	<b>70%</b>
...	<b>80%</b>
...	<b>95%</b>
...	<b>90%</b>
...	<b>98%</b>

**For Time series** – Based on user taken attendance, employee may plan to switch job

<b>Current Month</b>	<b>66%</b>
<b>Last Month</b>	<b>70%</b>
...	<b>80%</b>
...	<b>100%</b>
...	<b>96%</b>
...	<b>98%</b>