

# **Problem Identification in AI**

## **Assignment**

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?**

- 1) The employee should give 3-month Resignation notice to the company previously.
- 2) Prepare the Employee Continuation list and Employee Resignation list.
- 3) Predict the Employee Resignation list.
- 4) The company will arrange the alternative employee for the position on particular time.

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

- 1) Machine Learning
- 2) Supervised Learning
- 3) Classification

### **C) Name the project**

Name: RESIGNATION PREDICTION

### **D) Create the dummy Dataset.**

Inputs					Output
S.No.	Emp.id	Emp.Name	Emp.Dept	Emp.Phoneno	Label
1	CS01	Rohith	CSE	6589456214	Resignation
2	CS02	Dravid	CSE	6587452456	Continuation
3	IT01	Sachin	IT	5487624523	Continuation
4	IT02	Vijay	IT	9865485626	Resignation
5	EC01	Virat	ECE	9658341252	Resignation
6	EC02	Raghul	ECE	6587452546	Continuation
7	EEE01	Samson	EEE	8685745874	Continuation
8	EEE02	Sankar	EEE	9864574521	Resignation
9	MECH01	Gill	MECH	6587458789	Continuation
10	MECH02	Ajay	MECH	9865425421	Resignation

