

SOLUTION:

a) Collect the data of the employee such as their job roles, performance level etc..Collect additional data such as work satisfaction surveys, employee feedback, work hours which is used to predict the employee resignation status.

b) Domain:

Machine learning

Supervised learning

classification

c) Project Name: "Employee Resignation Predictor "

d) Dummy dataset

| Emp_name | Emp_id | Job satisfaction | Project handled | performance | Resignation status |
|----------|--------|------------------|-----------------|-------------|--------------------|
| Geetha | 001 | 4.5 | 15 | 7.8 | No |
| Raju | 071 | 3.8 | 4 | 2.1 | Yes |
| Kumar | 104 | 2.5 | 2 | 1.8 | Yes |
| Sheela | 123 | 4.0 | 15 | 5.6 | No |
| Ramya | 007 | 1.8 | 3 | 2.4 | Yes |
| Sweatha | 110 | 5.5 | 20 | 5.0 | No |