**There are numerous grouping strategies in data mining such as Decision Tree, Neural Network, Naïve Bayes, Linear Regression, KNN and Support Vector Machine. These are most every now and again utilized and have capacity to deliver worthy outcomes. The create rules from the chose methods can be utilized for future forecast. However, the machine learning procedures can neglect to foresee attrition rate due to noise in the data, to tackle this issue, we dispose of undesirable information, accordingly precise outcomes can be delivered. This paper is organised as follows: Section 2, give inquire about that what has been done in connection to the employee attrition and work that has been contributed by various individuals towards taking care of the issue. Section 3, provide information about how data is gathered and prepared for the model, Section 4, investigates approach that are utilized as a part of this project. Section 5, clarifies execution of the chosen methodology. Section 6, evaluation and finally in section 7 conclusion and future work.**