**LITERATURE SURVEY**

Many researchers have used several techniques and algorithms in educational institutions for prediction of students’ knowledge, particularly decision trees and regression, and finally a lot of ideas have been proposed.

A study was conducted by G.N. Pandey, Sonali Agarwal and M. D. Tiwari in which they added various classifiers to the dataset and tried to find the best classifier by means of comparative analysis.

In the work of Mounika Goyal and Rajan Vokra, techniques like cluster analysis and classification were implemented. Usefulness of OLAP and OLTP were also examined in society. OLTP (Online Transaction Processing) process data in real-time while OLAP (Online Analytical Processing) analyses historical data from OLTP systems.

Further in future many such studies were conducted and ideas were proposed. Different methods can be used to carry on the process.

**TECHNOLOGY STACK**

Python, Anaconda and Jupiter.

1. PYTHON

Along with being a high-level programming language, python is easy to learn and use as compared to other programming languages. Also, it’s developer friendly and has easy to learn basics.

1. ANACONDA

Its distribution has already over 250 automatically installed packages. Moreover, 7500 additional packages can also be installed.

1. JUPYTER

It allows us to create and share documents. The documents may contain equations, live text, narrative code, etc. It generally has the following uses:

* Numerical simulation
* Data visualization
* Data cleaning and transformation
* Statistical modelling
* Machine learning