**SLOW LEARNER’S PREDICTION USING MACHINE LEARNING**

**Abstract:**

Any of the educational Institute’s main goal is to increase pass percentage of the students. A student’s performance depends on their learning ability and influenced by many factors. A slow learner grasps things lately, requires things to explained with much detailed resources to be successful as compared to a fast learner. In this competitive world demands more out of a student with respect to an all-round development, student classification based on learning ability is useful in predicting slow learner. The slow learners will be given appropriate training to improve his/her performance and thereby achieving institute’s goal. This paper uses real time student data of Master of computer applications department, Kongu Engineering College, Perundurai in Erode district. The study involves experiments to understand the influence of cognitive attributes on academic performance. The classification of Students into very fast learners, fast learners, average learners, and slow learners using classification algorithms and thereby finding out the best prediction model. In the existing system, previous authors used k-means algorithm, clustering algorithm, Decision Tree and so on. When compare to other algorithms KNN Algorithm gives high Accuracy rate, this our proposed work. The main advantage in this work is to predict the slow learning students in their Institution. Based upon this result slow learners can identify easily and give certain steps and tricks for slow learning students to overcome that drawback. Gives makes 100% result with the help of staff or faculty. By using this prediction algorithm, Certain organizations or Institutions gives good result in their academic studies. It is important for the teachers to forecast the future performance of a student based on his past performances, identifying weak students at an early stage so that additional material and special attention can be facilitated to avoid the risk of failure. We know that identifying slow learners and their progress tracking is essential to reduce the failure rates, so this our main moto in this prediction.

**GUIDE NAME TEAM MEMBER’S**

Dr. A.TAMILARASI, PAVITHRA A N

Professor, SATHYA D

Department of Computer Applications, PRIYADHARSHINI M B

Kongu Engineering College,

Perundurai.