

## Project Id: 40

### Student dropout prediction using ML at secondary level in India

GitHub link: <https://github.com/yaswanthkoravi/SMAI-project>

Team members:

Name	Roll No
Yaswanth	2018202011
Gaurav	2018201027
Sarat	2018202013
Apurva Siruvolu	2018900022

*Main goals:* Data analysis and to provide classification algorithm which can able to classify the data with best accuracy.

*Problem definition:* Using machine learning we have to perform binary classification on student dropout data to predict whether a particular student will dropout or not. First, after collecting data, we perform feature analysis to find out most dominant features in dataset and then use various classification algorithms on the extracted features to figure out best algorithm for this task.

*Results of the project:* Extract the dominant features in dataset (figuring out the main reasons for student dropout) and comparing how various classification algorithms able to perform classification.

*Tasks:*

Name	Task
Yaswanth	Gradient Boost
Gaurav	K-NN and logistic regression
Sarat	Neural Networks
Apurva Siruvolu	Data collecting and analysis

*Project milestones and deadlines:*

Data collection and analysis: 22/03/19

Implementing algorithms: 15/4/19

Final report:27/04/19