**Project Proposal**

**Group Members:**

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**Theme:** *Deep Learning/Machine Learning*

**Title:** *Visual Recognition*

**Objective:** *Recognize any object that could be either numbers, shapes, animal, human etc. (for which it is trained for) using the concepts of machine/deep learning along with the core concepts of data structure.*

**Description:** *In this project we will perform visual recognition of different objects such as numbers, shapes, plants, animals etc. (for which the model is trained or made for).To achieve this goal, we will get the help of deep and machine learning concepts such as forward feed neural networks, convolutional neural network etc along with data structure concepts such as multi-dimensional dynamic jagged array. This project can provide the core functionality for the projects that focus on the problem of detecting objects from a stream of video as it is time consuming and expensive to detect objects manually and high risk of human error is possible. But with the help of visual recognition by machine, it is less prone to error, less expensive and super-fast.*