

## **Final Group Project Proposal**

### **Topic: Exploring Image Classification**

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## **Project Plan:**

In this project, our aim is to extend the idea of the lab titled Image Classification using MLP. Our objective is to find an approach for Image Classification that achieves high accuracy and is able to generalize it to new datasets.

To achieve this, we will try different Neural Network architectures and compare them and adjust parameters to see what choices perform better.

In addition to exploring and comparing different models, we plan to do a comparative analysis of the number of neurons required to achieve the best results for each Model. We plan to test the three most common methods from [1] and maybe some others.

[1] - <https://medium.com/geekculture/introduction-to-neural-network-2f8b8221fbd3>