# Cloth Classification

## SUBMITTED BY GROUP 4 of LAB GROUP - A2

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## What is Classification

Classification is a Data analysis task, i.e. the process of finding a model that describes and distinguishes data classes and concepts. Classification is the problem of identifying to which of a set of categories, a new observation belongs to, on the basis of a training set of data containing observations and whose categories membership is known.

## Project Description

Our project title is Cloth Classification. We have created a data set. Depending on cloth categories we'll save our images name. We have taken an image as input from our data set then we have converted it into gray scale or binary image.
After doing segmentation and morphological operation on input image we'll found some features which are edge, area, shape.
we'll do all the above operations on our data set. Thus we'll get a feature vector for all categories.
Thus we'll set a model of classification.
Now when a new image came we'll extract its features which is edge, area, shape and then we'll match with the model.

## Block Diagram

Input image → Extract Features → Matching with trained model

Figure 1: Block Diagram Of Process.