# Colorisation of grayscale images

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• Image colorization is the process of adding chrominance values to an input grayscale image.

• Among the various colorization techniques, autoencoder based colorization is selected.

• Autoencoder based colorization method is a fully automatic technique which does not require any human assistance.

• It exploits machine learning concept in which the computers find the solution by learning the datasets and arriving at a conclusion.

• Image colorization is applicable in many areas such as colorization of old black and white photos, old movies and scientific images.





# Objectives and Dataset

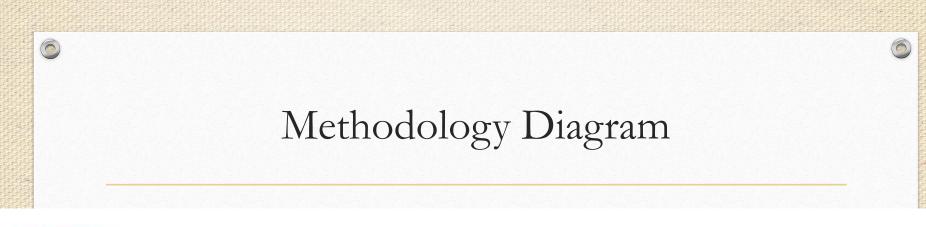
### Objectives:

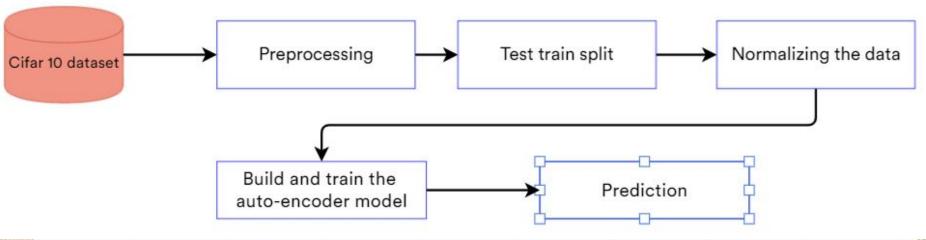
- To colorise the grayscale images.
- Use Auto encoders for colorisation.

#### Dataset:

• Cifar 10 data set - a dataset of 50,000 32x32 color training images and 10,000 test images.









# Performance

## Accuracy:

## Future Scope:

Usage of GAN for colourisation of images.



