

SYNOPSIS OF THE PROJECT

Roll No & Name	Roll no:20 Ancy K J
Name of Guide	Ms. Joice T
Contact Number:	9847701874
Email id"	ancykj99@gmail.com
Shared folder/git repository details	https://github.com/ancy-711/mainproject.git
Project Title	Style Transfer for real time videos and images using convolutional neural network.
Description of Project: The semantic content of an image and video in different styles has been difficult processing task. Image and video representations derived from Convolutional Neural Networks optimized for object recognition, which make high-level image information explicit. Introduce a Neural Algorithm of Artistic Style that can separate and recombine the image content and style of natural images and we take one step further to explore the possibility of exploiting a feed-forward network to perform style transfer for videos and simultaneously maintain temporal consistency among stylized video frames. Feed-forward network is trained by enforcing the outputs of consecutive frames to be both well stylized and temporally consistent. This allows producing new images and videos of high perceptual quality that combine the content of an arbitrary photograph with the appearance of numerous well-known artworks. Results provide new insights into the deep image and video representations learned by Convolutional Neural Networks and demonstrate their potential for high-level image and video synthesis manipulation.	
Front end and Backend Tools	python

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