DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY
Artificial Intelligence and Machine Learning

PROJECT PROPOSAL

20AIML-2 (A)

1. Project Title:-

Image colorization, grayscale images will be given as an input producing colorized image that represents the semantic colors and tones of the input.

2. Project Scope:-

Color plays a vital role in our imagination, to which historical grayscale images are a big hindrance. To satisfy the audience curiosity and bring them a vivid look of history, a hint of color in the images is all we need. The main goal of this project lies in revival of history black-white images to change audience perspective and make them believe in the authenticity of colorized images. The neural network techniques will be worked upon to get desired colorized images as the output for this project.

3. Requirements:-

Hardware:
- Processor-64-bit eight-core, 2.5GHz per core
- RAM- Minimum 4GB required
- Hard disk - SSD or HDD minimum 40GB free space required
- Webcam- HD Webcam supporting 720p video recording

Software:
- Anaconda 3.7
- Jupyter notebook.
- Google collab.
- Tensorflow
- Keras
- Pytorch
- Pandas
- Numpy

4. Project Outcome:

Our Project outcome will be a **product** that will be giving a colorful perspective of grayscale images to the audience.

STUDENTS DETAILS

Name	UID	Mobile Number	Signature
Priya yadav(Team Leader)	20BCS6126	7973392377	priya
Hitesh kumar	20BCS6157	7000532456	hitesh
Ramandeep kaur	20BCS6165	7814415716	ramandeep
Ishpinder Singh Dhindsa	20BCS6300	9417330008	ishpinder

APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

Name	Title	Signature (with Date)
	Supervisor	