



MALLA REDDY UNIVERSITY

(As per Telangana State Private Universities Act No.11 of 2018 and G.O.Ms.No.14, Higher Education (UE) Department)

III Year AD Project Registration Form

Name of the Guide: Prof.Siva Kumar

Year: 3rd

Title of the Project: Real time Image Animation Using deep learning

Abstract:

This project delves into deep learning-based image animation, employing conditional generative models like Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs). Trained on datasets comprising image-sequence pairs, these models transform single input images into coherent and novel animations, simulating natural movements and transformations. An interactive image animation system is introduced, implemented in a Jupyter notebook environment using TensorFlow for deep learning capabilities. Leveraging OpenCV, FFmpeg, ImageIO, PIL, and scikit-image for image and video processing, the system incorporates IPython widgets for enhanced user interaction. The technology also plays a crucial role in live video streaming, providing dynamic visual content without the need for manual frame-by-frame animation. This project harnesses the power of deep learning to eliminate manual efforts, opening new possibilities for efficient and realistic content creation in diverse domains.

Student Batch Details:

Student Name	Roll Number	Section Details
D.SRIKAR	2111CS020557	Zeta
D.SRINATH	2111CS020560	Zeta
G.SRINIDHI	2111CS020561	Zeta
K.VARSHINI	2111CS020617	Zeta
T.VARSHITHA	2111CS020624	Zeta

Guide Sign

Project Coordinator

HoD- AIML