Project Planning Phase-III
Technology Stack (Architecture & Stack)

Date	2 November 2023
Team ID	PNT2023TMID591910
Project Name	AI Art Detection
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	It is how the user will be able to interact with the product.	CSS, React.
2.	Image Input	Uses a Graphical user interface to receive input.	Python using Flask, CSS, HTML
3.	Image Preprocessing	The Vector is processed and understood	Python, Keras, TensorFlow
4.	Deep Learning Model	A CNN Architecture that is used to extract features from the dataset.	Python, Keras, TensorFlow.
5.	GUI Display of results	Where the output of the model is displayed using the flask.	Python using Flask, CSS,React

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Usage	Uses Open Source frameworks to gather data to train and such.	python
2.	Scalable Architecture	Can be used as a microservice or a larger substantiated model which can be trained over the internet or a very isolated dataset.	Python, Keras, Tensorflow
3.	Availability	Available freely to people which can be powered by a minimal use of ads.	**null**
4.	Performance	Depending on the input the performance of the model will fluctuate, as a smaller isolated instance, the model can be expected to give much sooner than a larger dataset model.	Python, Keras, Tensorflow