

DEPARTMENT OF INFORMATION TECHNOLOGY

REVIEW 0

PROJECT GUIDE:

B.NAGAESWARI

ASSISTANT PROFESSOR

PROJECT TEAM:

20JR1A1242

20JR1A1259

20JR1A1261

20JR1A1266

IMAGE GENERATION

WITH

STYLE TRANSFER

IMAGE GENERATION



WITH

STYLE TRANSFER

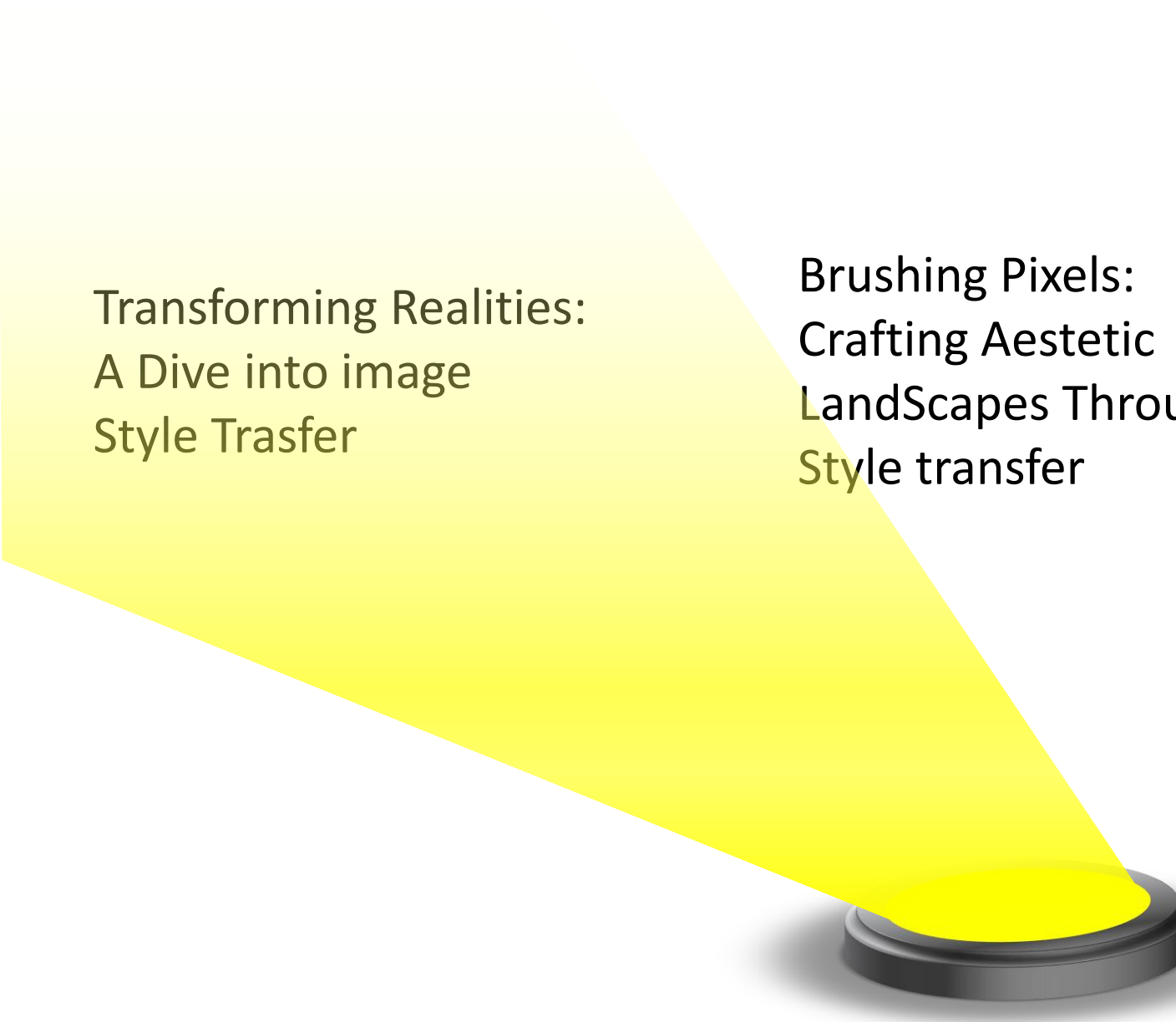
IMAGE GENERATION



WITH



STYLE TRANSFER



Transforming Realities:
A Dive into image
Style Trasfer

Brushing Pixels:
Crafting Aesthetic
LandScapes Through
Style transfer

Blending Art and
Pixels for Stunning
Visuals

Transforming Realities:
A Dive into image
Style Trasfer

Brushing Pixels:
Crafting Aesthetic
LandScapes Through
Style transfer

Blending Art and
Pixels for Stunning
Visuals



Transforming Realities:
A Dive into image
Style Trasfer

Brushing Pixels:
Crafting Aesthetic
LandScapes Through
Style transfer

Blending Art and
Pixels for Stunning
Visuals



ABSTRACT

- **In the world of digital art, Image Style Transfer is a captivating technique that allows artists and enthusiasts to infuse their pictures with the charm of famous artistic styles.**
- **This process involves seamlessly applying the visual elements of one image onto another, resulting in a harmonious blend of content and style.**
- **This abstract explores the natural and intuitive aspects of Image Style Transfer, shedding light on how enthusiasts can effortlessly transform their photographs into visually striking compositions**

KEY WORDS:

- **Neural Style Transfer (NST), Texture Synthesis, Optimization Methods, Instance Normalization**

INTRODUCTION

- Transform regular photos into artistic masterpieces.
- Blend the look of one picture with the style of another.



(a) content image

+



(b) style image

=



(c) result image

Literature Review

1. Neural Style Transfer (NST):

- 1. Research indicates that NST, using pre-trained convolutional neural networks (CNNs), has gained popularity for artistic image synthesis (Gatys et al., 2015).**
- 2. Studies highlight its effectiveness in separating content and style features, providing a robust framework for image stylization (Johnson et al., 2016).**

2. Texture Synthesis Techniques:

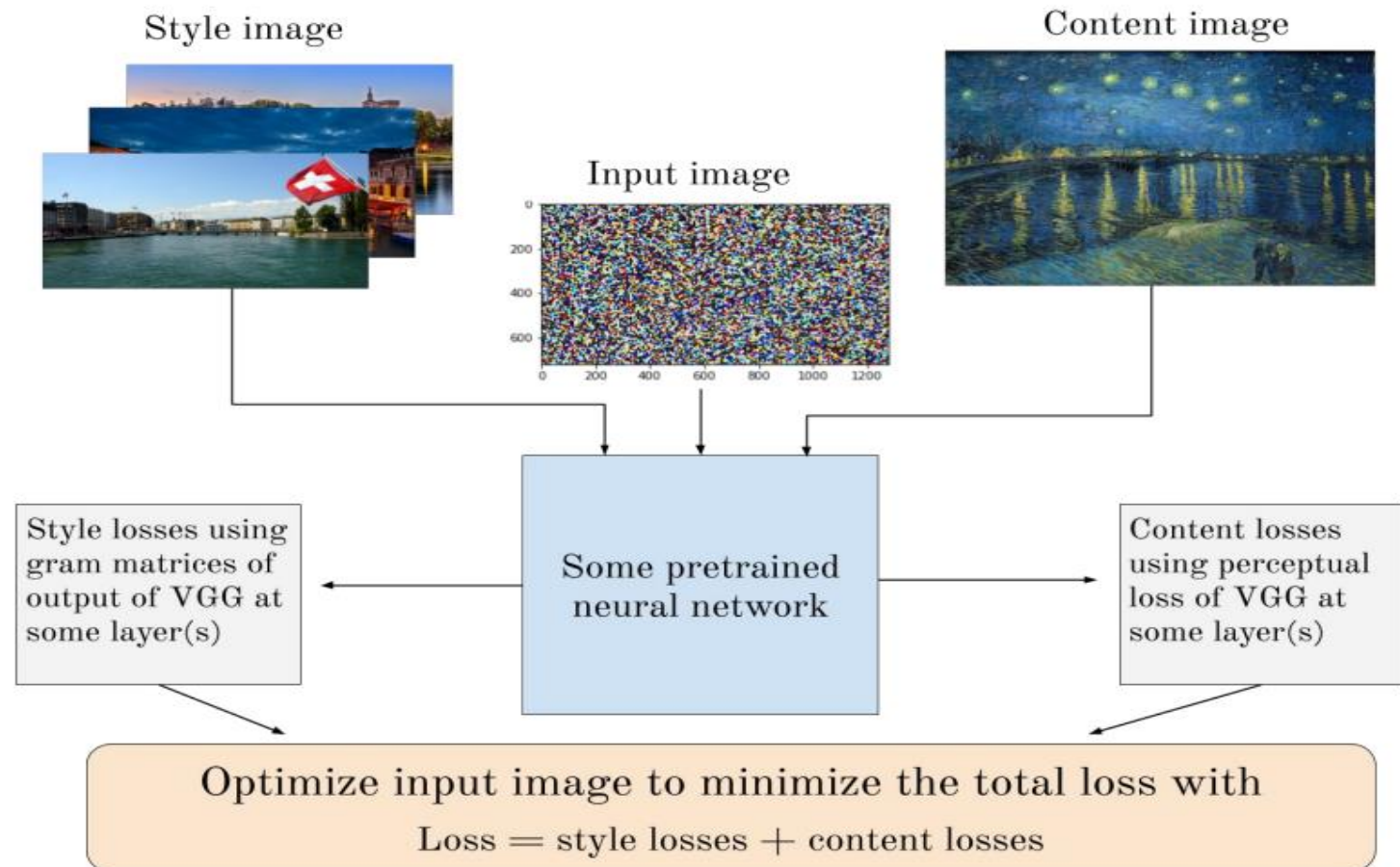
- 1. Texture synthesis approaches have been explored for their ability to replicate visual patterns from style images onto content images (Portilla et al., 2000).**
- 2. Researchers emphasize the importance of analyzing local structures to achieve realistic and visually appealing stylized outputs (Efros & Freeman, 2001).**

3. Optimization Methods in Style Transfer:

- 1. Optimization algorithms, such as gradient descent, play a crucial role in adjusting pixel values to minimize differences between content and style images (Li et al., 2016).**
- 2. The literature underscores the delicate balance required to preserve content while adopting the desired artistic style (Gatys et al., 2016).**

PROBLEM STATEMENT

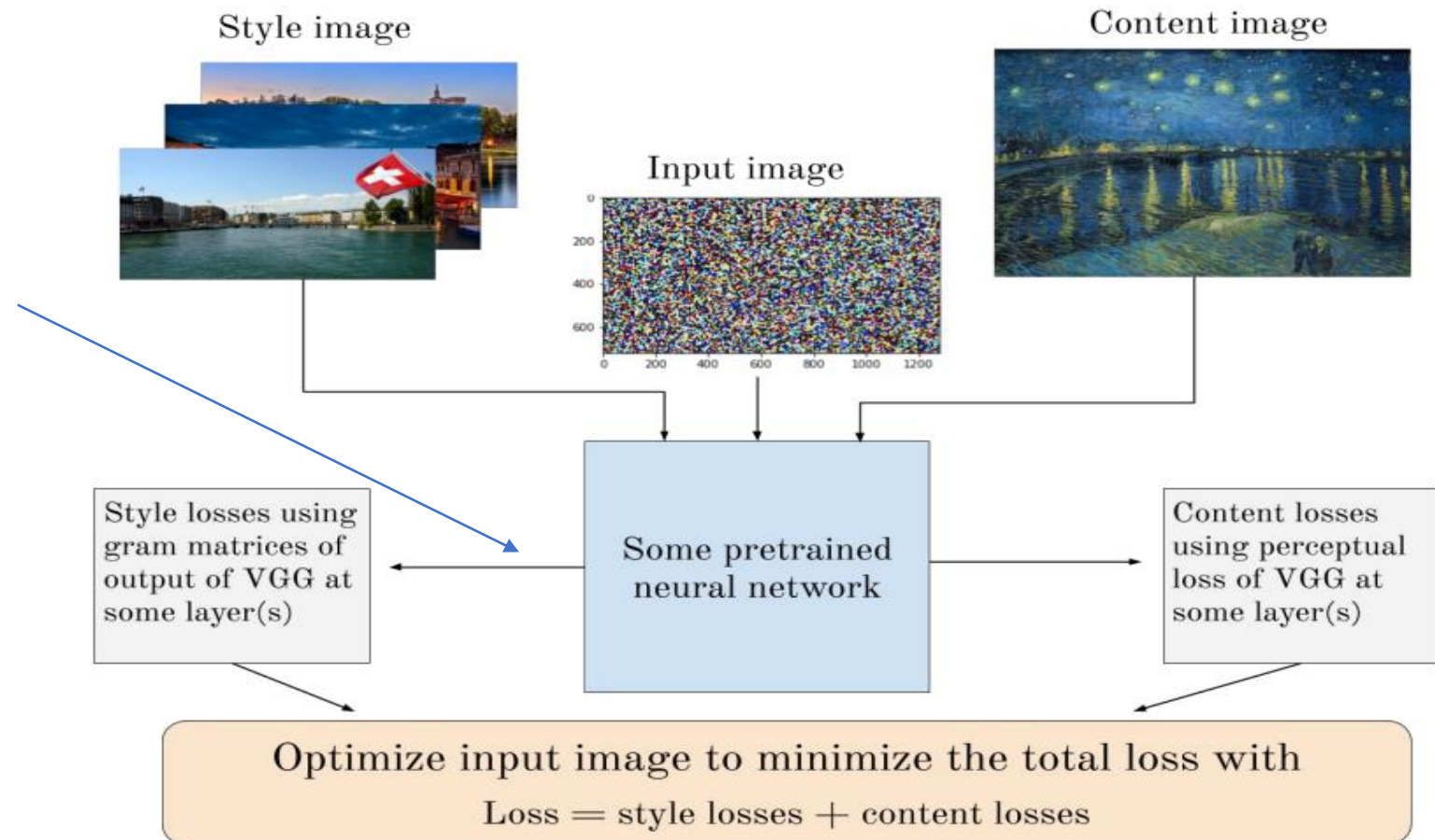
The
setup



PROBLEM STATEMENT

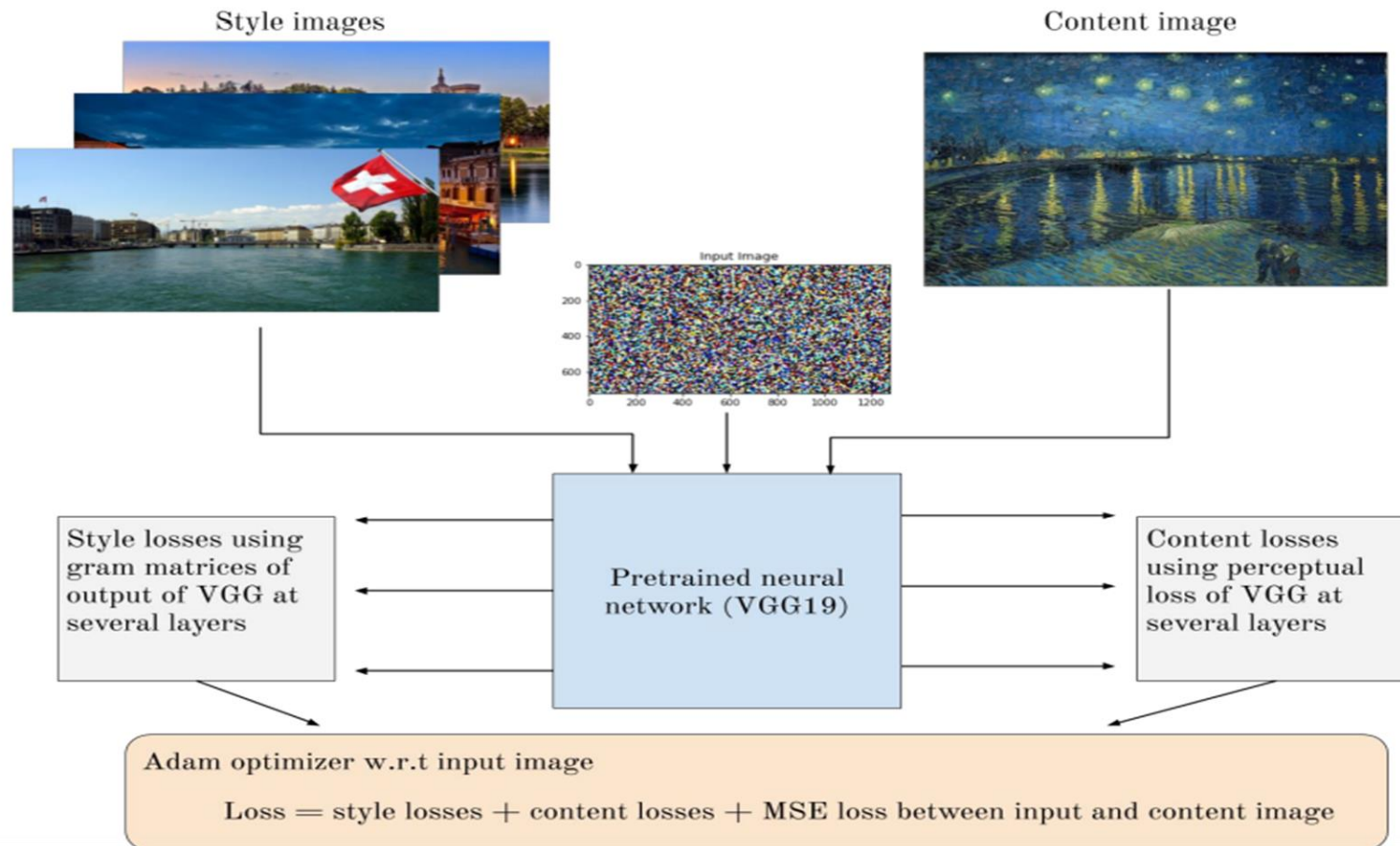
The
setup

PROBLEM
OCCURS



PROPOSED SYSTEM

The full
setup



THANK

YOU