

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi-560014, Karnataka



CGV MINI PROJECT REPORT

ON

“Man Walking in Rain”

*SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
CGV LAB*

**BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING**

Submitted By

PARTHA H R[1SV20CS033]

Under the guidance of

Mr.Renukaradhya P.C B.E., M.Tech.,

Assistant Professor, Dept. of CSE.



**SHRIDEVI
EDUCATION**

Nandini Srinivas
PRINCIPAL
S.I.T. TUMKUR.

Department of Computer Science and Engineering

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated To Visvesvaraya Technological University)

Sira Road, Tumakuru – 572106, Karnataka.

2022-23



Sri Shridevi Charitable Trust (R.)
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
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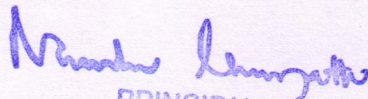
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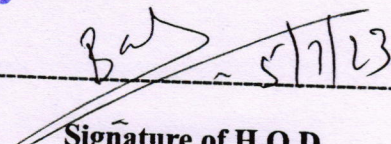
CERTIFICATE

This is to certify that, Computer Graphics and Visualization Mini-Project of entitled "Man Walking in Rain" has been successfully carried out by PARTHA H. R[1SV20CS033], in partial fulfillment for the CGV Lab of **Bachelor of Engineering in Computer Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year **2022-23**. It is certified that all the corrections/suggestions indicated for internal assessments have been incorporated in the report. The Mini- Project report has been approved as it certifies the academic requirements in respect of Mini-Project work prescribed for the Bachelor of Engineering Degree.

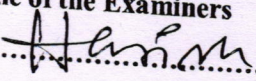
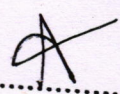

Signature of Guide

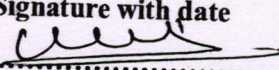

Mr. Renukaradhya P .C B.E., M.Tech.,
Assistant Professor,
Dept. of CSE,
SIET, Tumakuru.


PRINCIPAL
S.I.E.T. TUMKUR.


Signature of H.O.D

Dr. Basavesha D M.Tech, Phd
Associate Professor & HOD
Dept. of CSE,
SIET, Tumakuru.

Name of the Examiners
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Signature with date
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DECLARATION

I, PARTHA H R [1SV20CS033], student of VI semester B.E in Computer Science & Engineering, at Shridevi Institute of Engineering & Technology, Tumakuru, hereby declare that, the Mini-Project work entitled “**Man Walking in Rain**”, embodies the report of our Mini-Project work carried out under the guidance of **Mr.Renukaradhya P.C, Assistant Professor, Department of CSE, SIET, Tumakuru** as partial fulfillment of requirements for the CGV Lab in **Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belagavi**, during the academic year **2022-23**. The Mini- Project has been approved as it satisfies the academic requirements in respect to the Mini-Project work.

Place: Tumakuru

Date: 04.10.23

Partha H. R

Student Name & Signature

PARTHA H R
[1SV20CS033]

Renukaradhya P.C
PRINCIPAL
SIET, TUMKUR.

ABSTRACT:

In the computer graphics mini project of "Man walking in Rain," abstraction plays a pivotal role in capturing the essence of the scene and translating it into a visually compelling and engaging experience. By employing abstraction techniques, the project aims to distill the complex and dynamic interplay of a man walking in the rain into its fundamental elements, while still evoking a sense of realism and emotional connection.

The project leverages the power of abstraction to simplify the intricate details of the raindrops, the man's movement, and the surrounding environment, allowing the viewer to focus on the core aspects of the scene. Through the careful manipulation of shape, color, and motion, the project represents the raindrops as a collection of geometric forms, transforming the fluid nature of water into a stylized and visually captivating representation.

Furthermore, abstraction is employed to convey the man's movement in the rain. Rather than capturing every nuanced motion, the project utilizes key poses and gestures, emphasizing the essence of his walk while leaving room for the viewer's imagination to fill in the gaps. By distilling the motion into its essential components, such as the swinging of the arms or the bending of the legs, the project conveys a sense of purpose and determination in the man's stride, reinforcing the narrative of the scene.

The abstraction techniques extend to the environment as well, with the background rendered in a simplified manner. By reducing the complexity of the surrounding elements, such as buildings or trees, to their essential geometric shapes and textures, the project creates a sense of harmony and unity within the composition. This abstraction allows the rain and the man to take center stage, drawing the viewer's attention to the emotional impact of the moment rather than getting lost in intricate details.

Overall, the abstraction techniques employed in the "Man walking in Rain" computer graphics mini project provide a means to distill the scene's essence and amplify its impact. Through the careful manipulation of shape, color, and motion, the project creates a stylized yet emotionally resonant representation of a man's journey through the rain, inviting the viewer to immerse themselves in the narrative and connect with the underlying emotions evoked by the scene.

Technology used

Graphics Software: various software packages are available for creating computer graphics, including 3D modeling and animation software.

Computer Hardware: A powerful computer with a good graphics card and sufficient storage capacity is required to run

graphics software, C++ and python languages are used in graphics.

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