

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-560014, Karnataka



CGV MINI PROJECT REPORT
ON

"Air Show"

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

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

Submitted By

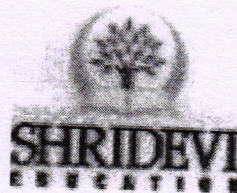
**Roushni Begum
(1SV20CS036)**

Under the guidance of

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

Assistant Professor, Dept. of CSE.

Nandhu Shetty
PRINCIPAL
SIE 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.) SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that, Computer Graphics and Visualization Mini-Project of entitled "Air Show" has been successfully carried out by Roushni Begum [1SV20CS036], 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.

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Signature of Guide

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

Assistant Professor.

Dept. of CSE,

SIET, Tumakuru.

Nanda Kumar
PRINCIPAL
SIET, TUMKUR.

B.S. 4/7/23

Signature of H.O.D

Dr. Basavesha D M.Tech., Phd.,

Associate Professor &

HOD Dept. of CSE.

SIET, Tumakuru.

Name of the Examiners

1. *Harish*

2. *Renukaradhya P.C*

Signature with date

[Signature]

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

I, Roushni Begum [1SV20CS036], 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 "Air Show", 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: ..5/7/23

Roushni Begum
Student Name & Signature

ROUSHNI BEGUM
[1SV20CS036]

N. Srinivas Kumar
PRINCIPAL
S.I.E.T. TUMKUR.

ABSTRACT:

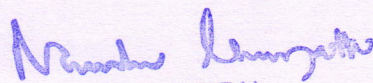
This abstract presents an innovative computer graphics project, the Immersive Airplane Show, which aims to create a captivating and realistic virtual airplane show experience using advanced computer graphics techniques. The project combines the fields of computer graphics, virtual reality (VR), and simulation to deliver an immersive and interactive virtual environment that replicates the thrill and spectacle of a real-life airplane show. The main objectives of this project are to design and develop a visually stunning virtual environment that accurately represents the atmosphere of an airplane show, simulate various aircraft models and aerobatic maneuvers, and provide an interactive user experience through VR technology. The project utilizes state-of-the-art computer graphics algorithms, including real-time rendering, physics-based simulations, and particle systems, to create realistic aircraft models, dynamic environments, and visually appealing special effects.

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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