

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-560014, Karnataka



CGV MINI PROJECT REPORT
ON

" Fighter jet "

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

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING

Submitted By

TEJASHWINI R[1SV20CS051]

Under the guidance of

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

Assistant Professor, Dept. of CSE.

N. Srinivas Kumar
PRINCIPAL
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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

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that, Computer Graphics and Visualization Mini-Project of entitled " Fighter jet " has been successfully carried out by Tejashwini R[1SV20CS051], 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
SIET, TUMKUR.

Signature of H.O.D

Dr. Basavesha D M.Tech, Phd

Associate Professor & HOD
Dept. of CSE,
SIET, Tumakuru.

Name of the Examiners

1 H. Arish

2 Renukaradhya P. C

Signature with date



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

I, Tejjashwini R [1SV20CS051], 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 "Fighter jet", 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: 05/07/23

Student Name & Signature

TEJJASHWINI R
[1SV20CS051]

PRINCIPAL
SIET, TUMKUR.

Abstract

The very purpose of developing this “**fighter jet**” mini project is to exploit the strength of OpenGL graphics capabilities. This mini project is made in a effective manner by using the computer language C in a 2D view.

In future it can be designed with a 3D animation view also. The extent is to study the concepts of computer graphics. And finally this project is prepared to help the society in future.

This lighting model is build on the basis of phong model, Which supports three types of light material interactions namely Secular, ambient, diffuse.

The ambient source color represents the interaction of a light source with surface whereas the secular source color is designed to produce the desired color of a specula highlights.

Software design is essential to develop a model of system before writing any software that is used to control the system or to interact with it. During design process we try to develop system models at different levels of abstraction.

Design process involves design of algorithm, modules, components & subsystems. The main aim of this project is to display How the WiMax works. In this project we display Transmitter, ISP Provider, WiMax Transmitter, Line of Sight Backhaul , Non-line of Transmission , Home local area network , Internet Backbone.

Niranda Kumar
PRINCIPAL
S.I.T. TUMKUR.