VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-560014, Karnataka

CGV MINI PROJECT REPORT
ON
" MOVING ASTEROIDS AROUND PLANET "

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE MINI PROJECT

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING

Submitted By

Mohammed Owais khan
(1SV20CS026)

Under the guidance of

Mr. RENUKARADHYA P.C
Assistant Professor, Dept. of CSE.

SHRIDEVI EDUCATION

PRINCIPAL
SIET. TUMKUR.

Department of Computer Science and Engineering

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Affiliated To Visvesvaraya Technological University)
Sira Road, Tumakuru – 572106, Karnataka.

2022-2023

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)
Sira Road, Tumakuru - 572 106. Karnataka.
An ISO 9001:2015 Certified Institution
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shridevienginering.org | Web: http://www.shridevienginering.org

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that, Mini project report of entitled "**MOVING ASTEROIDS AROUND PLANET**" has been successfully carried out by Mohammed Owais khan [1SV20CS026], in partial fulfillment for the Mini project report 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
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.OfCSE,SIET,
Tumakuru.

Name of the Examiners	Signature with date
1 GIRISH.L	13/12/23
2 Harish	13/7

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)
Sira Road, Tumakuru - 572 106. Karnataka.
An ISO 9001:2015 Certified Institution
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

I, **Mohammed Owais khan [1SV20CS026]** , 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 **"MOVING ASTEROIDS AROUND PLANET"**, 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 Internship Project report in **Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belagavi**, during the academic year **2022-23**. The Internship-Project has been approved as it satisfies the academic requirements in respect to the Internship-Project work.

PRINCIPAL
SIET, TUMKUR

Place: Tumakuru

Student Name & Signature

Date: 04/7/23

Mohammed Owais khan [1SV20CS026]

.....

ABSTRACT

Moving asteroids around a planet can be a fascinating visual experience that can be created using OpenGL. OpenGL is a powerful graphics rendering tool that allows programmers to create three-dimensional environments, including moving objects such as asteroids. By leveraging the capabilities of OpenGL, developers can create realistic-looking asteroids and simulate their movement around a planet. This can be achieved by using techniques such as transformations and lighting effects to create a realistic space environment. Additionally, developers can also incorporate user input to enable players to interact with the asteroids and the planet, adding an extra layer of interactivity and engagement to the experience. Overall, moving asteroids around a planet with OpenGL can be an engaging and visually impressive project that showcases the capabilities of this powerful graphics tool.