

# 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**

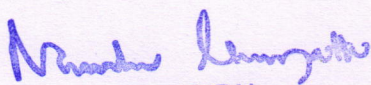
**Submitted By**

**JAHIDUL ISLAM  
(1SV20CS015)**

**Under the guidance of**

**Mr. RENUKARADHYA P.C**

Assistant Professor, Dept. of CSE.

  
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.**

**2022-202**





## 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 JAHIDUL ISLAM [1SV20CS015], 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.

\_\_\_\_\_ *A*

Signature of Guide

**Mr. RENUKARADHYA P.C**  
 Assistant Professor, Dept. of CSE,  
 SIET, Tumakuru.

\_\_\_\_\_ *Bas* - 6/11/23

Signature of H.O.D

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

*Basavesha D*  
**PRINCIPAL**  
**SIET, TUMKUR.**

Name of the Examiners

Signature with date

1. *G. R. H. L*  
 2. *Harish B. M*

*Bas*  
 13/12/23  
*Bas*  
 13/7





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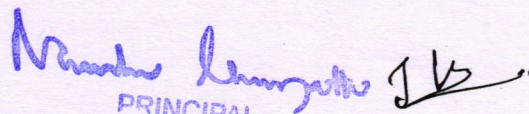
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**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**

**DECLARATION**

I, **JAHIDUL ISLAM [1SV20CS015]**, student of V 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: 04/07/23

**Jahidul Islam [1SV20CS015]**

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## 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.

*Nirankar Singh*

PRINCIPAL  
S.I.T. TUMKUR.