**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

### BELGAVI-590014



**A Computer Graphics and Visualization**

**Mini-Project Report**

**On**

***“*3D MODEL OF BUDDHIST TEMPLE*”***

*A Mini-project report submitted in partial fulfilment of the requirements for the award of the degree of* ***Bachelor of Engineering in Computer Science and Engineering*** *of Visvesvaraya Technological University, Belagavi.*

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**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT**

Kanakapura Road, Udayapura, Bengaluru

2017-2018



**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT**

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**CERTIFICATE**

This is to certify that the Mini-Project on Computer Graphics and Visualization work entitled **“3D MODEL OF BUDDHIST TEMPLE”** has been successfully carried out by **AISHWARYA NAIK (1DT15CS007), NIVEDITHA S. (1DT15CS074) AND JACINTH (1DT15CS042)** bonafide students of **Dayananda Sagar Academy of Technology and Management** in partial fulfilment of the requirements for the award of degree in **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year 2017-2018. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

**Signature of Guide Signature of HOD**

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**ABSTRACT**

This project demonstrates the use of keyboard interface and menu interface. When a predefined key and mouse button is pressed the corresponding action takes place respectively. In an opengl project we would like to create a 3d view of a creating shapes in space. It includes mesh grid, cube using which we can create shapes. It shows the movement of the camera we can see the shapes from different angles. It also shows the day and night mode of palace. With the help of popup menu, we can change the light colors in night mode. Finally, this project also helps to understand the capabilities of graphic system by exploiting the numerous Opengl function.

**ACKNOWLEDGEMENT**

It gives us immense pleasure to present before you our project titled **“3D MODEL OF BUDDHIST TEMPLE ”.** The joy and satisfaction that accompany the successful completion of any task would be incomplete without the mention of those who made it possible. We are glad to express our gratitude towards our prestigious institution **DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT** for providing us with utmost knowledge, encouragement and the maximum facilities in undertaking this project.

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