**Visvesvaraya Technological University Belgaum-590014**



**A Computer Graphics and Visualization Mini-Project On**

***“3D HELICOPTER GAME”***

*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, Belgaum.*

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**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT**

Kanakpura Road,Udayapura

2016-2017



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**CERTIFICATE**

This is to certify that the Mini-Project on Computer Graphics and Visualization work entitled **“3D HELICOPTER GAME”** has been successfully carried out by **SARIM AHMAD(1DT14CS087) and VISHWAS GEORGE(1DT14CS114)** 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, Belgaum** during academic year 2016-2017. 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.

**GUIDES:**

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**1:**

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# ABSTRACT

Our project titled “3D Helicopter Game” is an effort to combine some of the concepts and tools that we have learnt from the course on Computer Graphics with some of our own ideas. It is our rendition of a popular game with some fundamental changes. It involves navigating a 3D helicopter through a series of hoops or rings. Points are awarded for every successful passage through a ring. It has been implemented using OpenGL with the C programming language. There is much scope for improvement with respect to the elements of the game and the way it is played. Some suggested changes include making the background better, a different model for the helicopter, or adding a new functionality like shooting from the helicopter.

**ACKNOWLEDGEMENT**

It gives us immense pleasure to present before you our project titled **‘3D HELICOPTER GAME’.** The joy and satisfaction that accompany the successful completion of any task would be incomplete without the mention of those who made it possible.

Firstly, we would like to thank **GOD** without whom none of this would be possible. We also 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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