VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-560014, Karnataka



CGV MINI PROJECT REPORT
ON

"RUBIK'S CUBE"

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE CGV LAB

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING

Submitted By

JAYANTH D S[1SV20CS016]

Under the guidance of

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

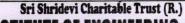
Assistant Professor, Dept. of CSE.

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.
2022-23





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that, Computer Graphics and Visualization Mini-Project of entitled "Rubik's Cube" has been successfully carried out by JAYANTH D S[1SV20CS016], 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

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Signature with date

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Sri Shridevi Charitable Trust (R.)

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DECLARATION

I, JAYANTH D S [1SV20CS016], 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 "Rubik's Cube", 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: 04/07/23

Student Name & Signature

JAYANTH D S [1SV20CS016]

PRINCIPAL SIET. TUMKUR.

Abstract

The very purpose of developing "Rubik's Cube". this mini project is design and implement "Rubik's Cube". OpenGlsupports enormous flexibility in the design and the use of OpenGl graphics programs.

The presence of many built in classes methods take care of much functionality and reduce the job of coding as well as makes the implementation simpler.

The project was started with the designing phase in which we figured the requirements needed, the layout design, then comes the detail designing of each function after which, was the testing and debugging stage.

We have tried to implement the project making it as user-friendly and error free as possible. We regret any errors that may have inadvertently crept in.

PRINCIPAL SIET. TUMKUR.