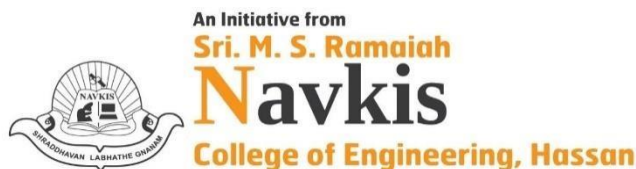


NAVKIS COLLEGE OF ENGINEERING HASSAN

(Affiliated to Visvesvaraya Technological University)



Department of Computer Science and Engineering

CERTIFICATE

This is to Certify that the mini project work entitled “**TOWER OF HANOI**” is a bonafide work carried out by **LIKITH GOWDA A N (4YG20CS021)** and **venu h k (4YG20CS044)**, in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi, Karnataka during the year **2022-2023**. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the report. The mini project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering degree.

Signature of Guide

Ms. Shruthi
Asst. Professor
Dept. of CS&E
NCE, Hassan

Signature of HOD

Dr. Myna A N
Professor & Head
Dept. of CS&E
NCE, Hassan

EXTERNAL VIVA

Name of the Examiner

1. _____

2. _____

Signature with date

DECLARATION

We, the undersigned students of 6th semester Computer Science & Engineering, Navkis College of Engineering, Hassan. Solemnly declare that mini project work entitled “**TOWER OF HANOI**” is a bonafide work . Mini project is neither a copy nor by means a modification of any other engineering project.

We also declare that this mini project was not entitled for submission to any other university in the past and shall remain the only submission made and will not be submitted by us to any other university in the future.

Name	USN	Signature
LIKITH GOWDA A N	(4YG20CS021)	
VENU H K	(4YG20CS044)	

Place: Hassan

Date:

ACKNOWLEDGEMENT

It is a great pleasure for us to acknowledge the help of many individuals without the help of those this Project would not have been fruitful.

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ABSTRACT

Towers of Hanoi Simulation is designed and implemented using a graphics software system called Open GL which became a widely accepted standard for developing graphics application. Usage of Open GL functions and primitives are well understood and henceforth can be applied for real time applications. This project is both informative and entertaining. This project provided an opportunity to learn the various concepts of the subject in detail and provided a platform to express creativity and imagination come true. Further animation can be included to enhance the project's look and feel.

In this abstract, we provide an overview of the Tower of Hanoi puzzle, its rules, and the underlying mathematical principles. We explore the problem-solving approach and the recursive algorithm commonly used to solve it. The Tower of Hanoi puzzle begins with a stack of disks of different sizes, arranged in decreasing order of size, on one peg. The other two pegs are initially empty. The objective of the puzzle is to move all the disks from one peg to another, using the third peg as an auxiliary.

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