VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-560014, Karnataka

MINI PROJECT REPORT
ON

"Train Arrival And Departure"

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE CGV LAB

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING

Submitted By

MYTHRI B N [1SV20CS029]

Under the guidance of

Mr.Renukaradhya P.C B.E., M.Tech.,
Assistant Professor, Dept. of CSE.

PRINCIPAL
SIET. TUMKUR.

SHRIDEVI EDUCATION

Department of Computer Science and Engineering

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
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Sira Road, Tumakuru – 572106, Karnataka.

2022-23

Sri Shridevi Charitable Trust (R.)
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that, Computer Graphics and Visualization Mini-Project of entitled "Train Arrival And Departure" has been successfully carried out by Mythri B N [1SV20CS029], 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.

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Signature of H.O.D

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

Name of the Examiners	Signature with date
1	.....
2	.....

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DECLARATION

I, **MYTHRI B N [1SV20CS029]**, 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 "Train Arrival And Departure" ,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: 04/01/23

mythri B.N
Student Name & Signature

MYTHRI B N
[1SV20CS029]

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ABSTRACT

The graphics package is aimed at supporting the requirement of the Computer Graphics using OpenGL function. It is a package which is developed by using various primitive function to implement the **"TRAIN ARRIVAL AND DEPARTURE" mini project.**

This is an OpenGL mini project which shows the running train system that can simulate fully in an outdoor environment. In this project, a train will arrive at a railway station and simple controls to that train are defined. A train will be moving from left to right using simple key control stop the train and run the train, also using another key function for day and night mode. Mainly this project shows traffic control signal. We are making use of built-in functions provided by OpenGL such as, glutMainLoop(), gluOrtho2D() ,glPopMatrix(), glVertex() and other functions.

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