

MES COLLEGE OF ENGINEERING-KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA246– MAIN PROJECT

Main Project Proposal (IV Semester MCA)

Approval of the main project proposal is mandatory to continue and submit the project work.

The main project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken.

The following documents are to be submitted for approval

1. Pro forma for approval of the main project (Present in this document)
2. Synopsis/Abstract with following contents
 - i. Title of the Project.
 - ii. Introduction and Objectives of the Project.
 - iii. Tools / Platform, Hardware and Software Requirement
 - iv. Problem Definition and Initial Requirements
 - v. Basic functionalities of the project

The abstract should be submitted in the format given in the 3rd page of this document.

The Proposal in the given format shall be **uploaded as PDF in Linways** on or before **16.04.22**

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PRO FORMA FOR THE APPROVAL OF THE FOURTH SEMESTER MAIN PROJECT

(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Main Project Proposal No : _____1_____
(Filled by the Department)

Academic Year : 2021- 22
Year of Admission : 2020

1. Title of the Project : Toll Gate Application
2. Name of the Guide : Syed Feroze Ahamed M
3. Student Details (in BLOCK LETTERS)

Name

Register Number

Signature

SIDHARTH K

MES20MCA-2049

Date:

Approval Status : Approved / Not Approved

Signature of
Committee Members }

Comments of the Guide

Dated Signature

Initial Submission :

First Review :

Second Review :

Comments of the Project Coordinator

Dated Signature

Initial Submission:

First Review

Second Review

Final Comments :

Dated Signature of HOD

Introduction & Objectives:

Toll gate payment system have been of great assistance in lessening the over congestion that has become a part of the metropolitan cities these days. It is one of the uncomplicated ways to manage the great rum of traffic. The travelers passing through this mode of transport, carried by their transport that allows them to be aware of the account of the money that has been paid and the money left in the tag. It relieves the traveler of the burden of waiting in the queue to make the toll payment, which decreases the fuel-consumption and also taking cash with them can be avoided. Our system avoids this type of problems, user he gate pass from online so user doesn't need to wait the tollgate. In this system users will be having the separate wallet to make payments and transactions. So that they can make their toll gate pass payment from one wallet to another thorough online this makes their trip more easy and convenient.

Basic functionalities:

HARDWARE AND SOFTWARE REQUIREMENTS

This specifies the hardware and the support software required to carry out the development

Hardware requirement

The selection of hardware is very important in the existence and proper working of any software. Then selection hardware, the size and capacity requirements are also important.

- Processor : i3 and above
- RAM : 4GB
- Storage : 500GB Hard disk

Software Requirements

One of the most difficult tasks is selecting software for the system, once the system requirements is found out then we have to determine whether a particular software package fits for those system requirements. The application requirement:

- Front End: HTML5, CSS3, Bootstrap
- Back End: PHP, MYSQL
- Control End: Angular Java Script

TOLL GATE APPLICATION

SIDHARTH K

- Android Tools:
- IDE: Android Studio Android Emulator
- xampp-win32-5.5.19-0-VC11
- PHP Tools:
- xampp-win32-5.5.19-0-VC11

Modules

Admin:

- Login
- Manage User & Toll pass
- Manage Toll login
- Approve toll pass
- Generate QR Code
- Create Toll details

User:

- Register
- Login
- Add Money – eWallet
- Buy Toll eTicket
- Apply New toll pass
- Renewal toll pass
- Apply Toll pass
- Get QR Code for Toll pass Toll Gate

User :

- Login
- Scan QR
- Verify toll pass ID
- Verify Toll ticket
- Update toll location

