**A project on Transportation Management System**



**PURBANCHAL UNIVERSITY**

**GOMENDRA MULTIPLE COLLEGE**

**Birtamode-4, Jhapa**

**Program Name-BCA**

**Faculty**-Science and Technology

A report submitted

In partial fulfilment of the requirement for the degree of

**Bachelor of Computer Application (BCA)**

**Project Proposal**

SUBMITTED BY SUBMITTED TO

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ACKNOWLEDGEMENT

According to the course of study of BCA third semester determined by P.U. A computer project is to be carried out for the partial fulfilment of the requirement for the bachelor in computer application. Therefore, as students of the course we will develop a small windows form **GUI** application “**Transportation Management System**”.

We feel glad for getting such an opportunity to accomplish the BCA. This third semester project and feeling the experience of the team environment and team spirit. This gave us insight knowledge about the practical aspect of the various stages and the procedures of the software developments projects. We are very thankful towards **Gomendra Multiple College** for the facilitating the completion of entire project work.

We are really grateful because we managed to complete our project within the given time by our principle **Mr.Rupak Khanal** .We also thank our mentor/teacher **Mr.Kushal Niraula** for the guidance and encouragement in finishing this project and also teaching us this course ,and also special thanks to our group member for co-operation and effort for this project.

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**Introduction**

Transportation Management System is a simple project which aim to minimize the effort put in company to maintain client information. It is a windows form GUI application written for 64-bit windows operating system which focused in the area of adding, searching, editing and deleting the details of the traveler.

The project provides a very user-friendly interface through which anybody with the basic knowledge of the computer and English language can access the system. Through it is very user friendly it does not lack proper security.

**Purpose of the project**

Purpose of the project is to maintain details of traveler such as storing information about:

* Costumer Name
* Customer Id
* Costumer Address
* Costumer destination
* Vehicle Type
* Vehicle Number
* Customer Number
* Travelling shift
* Customer Email
* Customer Contact No

**Hardware Requirements**

This program is created thinking that it will make the working environment easier and make the user feel less tired of working in computer instead of register. The hardware requirement can be listed below:

* PC with AMD or intel 2.1 GHZ or above processor.
* PC with minimum 4 GB RAM or above.
* PC with any type of monitor and standard keyboard for input data.

**Software Requirements**

For software requirement there must be compatible software installed in the PC to conduct the program successfully. Different program requires different software installed to run according to the platform in which the developers have developed it.

* Any Operating System supports the application.
* Compiler: Visual Studio

**Features of System**

The main aim of this system is to provide all the functionality related to Transportation like(vehicle). It tracks all the information of the customers. We have developed all types of CRUD (Create, Read, Update and Delete).

* Admin can add new Customer Records.
* Admin can see the list of Customer Details.
* Only admin can edit and update the record of the Customer.
* Admin will be able to delete the records of the Customer.
* Admin can search the details of the Customers.

**Pie chart**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Work | Algorithm and flowchart | Programming | Compilation and debugging | Printing and paperwork’s |
| Required time | 3 hrs. | 8 hrs. | 6 hrs. | 3 hrs. |

Figure -: Pie-chart showing tasks to be performed and the deadline of tasks.

**Conclusion**

After we have completed the project we are sure the problems in the existing system would overcome the “Transportation Management System” process made computerized to reduce human errors and to increase the efficiency. The main focus of this project is to reduce human efforts and to reduce the work time. The system can do fast, accurate and reliable work compared to human. Our main focus or aim of this project is to get the correct information about a costumer in lesser time. This system will be able to improve the efficiency and can reduce human stress.

**References**

* <https://github.com/hoolanla/C-TMS>
* [https://kimtooflex.gumroad.com/l/vaxxr](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa1dGTjc0eElNMXowb0hROHktS1oxMkVXOEt2Z3xBQ3Jtc0trTEdneFpTTUJBSGxrRGw1T0hLR0xGalVoVDRpa0FDSVVnMWVTUThHMy1kZjdxQzBVdmdEd0lFQ1pUa1hILVlZQmVvalhsT1lJbGx4R3ZIYTVjTFFwQ0ZqQ0hkMDVPdUFkMHFiRERTX2dEU1NYa0wydw&q=https%3A%2F%2Fkimtooflex.gumroad.com%2Fl%2Fvaxxr&v=a5qMtvJXnZA)
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