**1. SYNOPSIS**

**1.1 Title of the project:**

EMS

Event Management System

**1.2 Project group members name with Register number:**

**1.3 Guide Name:**

**1.4 Introduction**

EMS is the project to develop the software forsystem administrator to keep

the record of basic customer details, billing, order and salary system.

**1.5 Objective of the project:**

“To make software fast in processing, with good user interface so that user Can change it and it should be used for a long time without error and Maintenance”

**1.6 Project Category:**

Stand Alone

**1.7 Language to be used:**

**1.7.1 Front End: VISUAL BASIC.NET 2010**

* **Visual Basic .NET** (**VB.NET)** is an object-oriented computer programming language that can be viewed as an evolution of the classic Visual Basic (VB), which is implemented on the .NET Framework. Microsoft currently supplies two major implementations of Visual Basic: Microsoft Visual Studio 2010, which is commercial software and Visual Basic Express 2010, which is free of charge

**1.7.2 Back End: MICROSOFT SQL 2008**

* **Microsoft SQL Server** is a relational database server, developed by Microsoft: It is a software product whose primary function is to store and retrieve data as requested by other software applications, be it those on the same computer or those running on another computer across a network (including the Internet). There are at least a dozen different editions of Microsoft SQL Server aimed at different audiences and for different workloads (ranging from small applications that store and retrieve data on the same computer, to millions of users and computers that access huge amounts of data from the Internet at the same time).

**1.8 Hardware and Software Requirements:**

**1.8.1 Hardware requirements:**

* PROCESSER: Any processer with 2.4 GHz processing speed or more
* HARD DISK:70 GB or above
* RAM: 1GB or above

**1.8.2 Software Requirements:**

* .NET Framework 3.5
* Windows 7 and above
* Programming language VB.Net 2010
* Database: SQL Server 2008
  1. **Purpose**

EMS is mainly used to automate the existing system of manually maintaining the records of the customers, laborers and the items present in the event company. Along with adding of order details, generating bills, generating weekly labour salary, maintaining attendance records and also maintaining the details of the items not returned by the customers is done. Analysis of the stock is also done which plays a vital role. Admin has all the rights.

**1.10 Scope:**

The scope of the document is to provide sufficient detail on the functional and non-functional requirements of the project in order to see that all the functionalities are properly implemented. The document will be used as the base to implement the functionalities, and a source to refer their correct implementation. This can be used as an online application in the near future.

**1.11 Modules:**

**1.11.1 Register**

User Name and Password will be provided for the admin and the user.

**1.11.2 Item**

In this module, a detailed list of the items present in the company are maintained. Along with the adding, the records which are added can also be viewed.

**1.11.3 Stock Analysis**

In this module, after each purchase and order, the stock of items has to be updated. The stock of the items currently in hand is displayed. Along with the adding, the records which are added can also be viewed.

**1.11.4 Customer**

In Customer module, the basic details of the customers are added who order the items from the event company. Along with the adding, the customer records which are added can also be viewed.

**1.11.5 Manage Order**

When a customer gives an order for ceratin items, a detailed account of all those orders are maintained. The details regarding a customer order are item name, quantity, price etc are stored in this segment. The delivery date is also specified by the customer for the items which has to be delivered within the time. Once the order is added, it can be updated, a bill is also generated.

**1.11.6 Lost Products**

When the items are returned, the customers misplaces certain items .A detailed record of the items which are not returned is also maintained. Along with the adding, the records which are added can also be viewed.

**1.11.7 Labour**

In this module, detailed description of the Laborers are added. . Along with the adding, the records which are added can also be viewed, updated and deleted.

**1.11.8 Salary**

For each worker in the company there is a pre-set minimum wage per day. Attendance is taken for each worker daily. This function has high priority as the final salary generation depends upon the values we set here. Salary is generated weekly.

**1.11.9 Reports**

Report module includes all the Salary reports, detailed Customer reports, stock reports, order reports, lost product reports are maintained.

**1.12 Innovativeness and Usefulness**:

**1.12.1 Innovativeness:**

* User Friendly
* Easier to search the Records
* Any periodic records can be viewed at any time.

**1.12.2 Usefulness:**

* Reduces Time Consumption
* Very Efficient
* This system will reduce manual work, calculations and will also provide periodic reports any time.

**1.13 Conclusion:**

EMSis software which is basically used to store the details about the company which organizes events. During the event, the customer requires certain items and the customer orders these items from this event company. Basically, the day to day transactions which happens in this event company is been maintained. This software is designed to replace an existing manual record system for reducing time taken for calculations and for storing data. The system uses Visual Basic as front end and SQL server as a backend for the database. The system is strong to handle daily operations where the database is cleared over certain time.