**DIGITAL PARKING MANAGEMENT SYSTEM FOR IIMS COLLEGE**

A system that manages the parking space allocation at IIMS COLLEGE, DHOBIDHARA, KTM

**Abstract**

This project is designed for vehicle parking to records the information of drivers. Typically, at IIMS COLLEGE, DHOBIDHARA, KATHMANDU, Looking out for a vacant parking slot, however it's a paid office with a security monitor. It is simple web-based application using Html, CSS, SQL, and PIIP. It is very user-friendly and easy to use and provides both benefits to customers and owners. This system can be edit if there is mistake on names, time, or other contents. This system can help tracking the entry and exit vehicles which helps to know there is place for parking or not inside the parking area. The purpose behind the documentation is to give the explanation about the process of design and usage alongside description of usefulness gave by the system and plans for what's to come in future. This system will record all the details of customer's vehicle that is parked in parking area. These systems also save more time for owner. An iterative approach also helps to solve the problem and primary method is used to research the problem solution. This system will helpful to the admin as well as to the customer also.

**Introduction**

In the early days there was no such system as there is today. But nowadays in the age of internet and technology they have become a part of our daily life. Many businesses and organizations have integrated these technologies, the software "Vehicle Parking Management System for IIMS College" online system to provide free services to their customers. The overall structure of this report consists of five main chapters: summary, introduction, data collection, analysis, synthesis, evaluation, conclusion and recommendation. All this content consists of their subdivisions. The first part introduces the car parking management system, how it works, what tools and technologies are used to develop the system. And the second part is to collect information that contains all the information and data that I used to build my system. Gathering information such as: literature review, research methodology, and system development methodology. I choose research methods such as questionnaires, fact-finding skills, primary data sources, and secondary data sources. Part 1 of the analysis includes some sub-materials such as process model, functional requirement, non-functional requirement, constraint and assumption, feasibility, software requirement. In the synthesis section I’ve designed all the diagrams like Use Case diagram, Activity diagram, Gantt Chart. The diagnostic section does all the testing and also finds all the objectives and scope that I’ve find in the information gathering. The final conclusion and recommendation section summarizes all of the systems, therefore, the software vehicle parking management system that helps to record the details of the customer standing in the parking area that helps to control the parking area. And also, the tools and technologies used to develop the system. Customer details are stored in the database