

ABSTRACT

This project is constructed for developing car park control system of Sharing Co., Ltd. in order to analyze and design the computerized system for customer convenience and system enhancement for sharing Co., Ltd. which is involved with office space rental and chamber rental business for occasional events by using space of Live Tower. The company working schedule is 07.15-08.14 am. and 04.55 – 05.45 pm. because of congestion within the tower and other troubles such as punctuality and no parking space for visitors. Therefore, Sharing Co., Ltd realizes all these problems and desires to amend the parking lot from the existing system which is only manual work into computerized system as well as being able to connect with the corporate network system. The operation of new system would help visitors searching parking space in each storey without wasting time by calculating the number of cars parked in each floor. It also can specify parking floor of corporate employees including calculating parking fee of the visitors who do not specify the company. Besides, the system can also connect to the accounting and administration system for the use of vehicle report verification in the car park and parking fee. Furthermore, the information can be used in other advantages as well.

The study of this project begins with the required definition and analysis of the existing system. Information system analysis and design tools such as context diagrams, data flow diagrams, data dictionaries, and structure charts are used to analyze both the existing and proposed systems. Candidate solution matrix is also used to compare various alternatives in order to come with the most effective solution. Capital budgeting models such as the payback method, the cost benefit ratio, and the net present value are used to evaluate the proposed system. Thriving of this system will be operated by the steps which are mentioned in the project plan.