***SYNOPSIS***

***Project Title:***

*Movie Tickets Booking System (MTBS)*

***Introduction of Project:***

* *“Movie Ticket Booking System” project is aimed to provide the customer an anytime service for booking the seat in cinema halls at the time of their choice and to gather information about the movie. The customer can easily be able to know about the movies released and then make the choice according to their convenience.*
* *In this project, we will illustrate our system by providing Data Flow Diagrams (DFDs), Use Case diagram and description, Entity Relationship diagram, Software Resource Specification (SRS) and Data Dictionary.*
* *Administrator can use the system to insert, update and delete data (e.g., film description, time table, theater information, seats availability information, ticket prices) that will update the web page.*
* *The project will be designed using MS-Access. The front end will include the forms to be filled by the users according to the modules. The MS-Access database and queries will be used to store the data and information about the movies, theaters and the users.*
* *This project will be useful for both promoters and customers equally. The promoters can promote the movie by displaying the movie in the movie showcase module. The customers can choose their movie according to their choice and with convenience of their choice of seats and timings.*
* *Customers can buy movie tickets and know about new movies released, available seats, show timings, time table and cinema locations and reports about movies statistics, movie reviews and theater statistics.*
* *Customers can buy tickets without wasting their time and affordable prices. This also saves the man power as everything will be computerized.*
* *Cinema owner can inform to customers about new release and discount and also can get feedback from customer. This feedback will be useful for him to make new strategy for business.*
* *The project helps the customer to be updated with all the new movies releases and reviews and help them to choose the show timings, seats, and theater according to their preference.*
* *The project helps the admin to maintain the records of transactions in a convenient manner. Reports about movie review, sales, theater reviews, and customer details can be maintained.*
* *The system is divided into two interface layers; first one is Guest Interface (MTBS-GI) and second is Movie Management Interface (MTBS-MMI).*
* *The Guest Interface provides the customer to book tickets of their choice of movie. The Movie Management Interface is for the staff and administrator to insert, update and delete the information about the movies and theaters.*
* *The staff and administrator have to provide their account type, Login Id and Password to login so as to access the interface’s permissions accordingly.*
* *The customer has to pay at the counter for which he will be provided with the temporary movie ticket and a payment invoice. At the time of procuring the seats in the theater, the customer should carry temporary ticket for confirmation. The invoice can be used the evidence of payment made at the counter.*

***Objectives of Project:***

*The objective of Movie Ticket Booking System is to provide anytime service for the customer. It simplifies the task and reduces the paper work. It records the details of various activities of users. It minimizes the number of staff at the ticket box. It also promotes the film and increases profit. It also provides the administrator with the movie review, movie statistics, and theater statistics information from the booking records. Customer can view the movie ratings which will help him to choose the movie. During implementation, every user will be provided with the training to suit their needs. Specific support will also be provided at the key points within the academic calendar. Training will be provided on a timely basis.*

*Some other objectives of Movie Ticket Booking System are:*

* + *Enhancement:*

*Movie Ticket Booking System enhances and upgrades the existing system by increasing its efficiency and effectiveness. The software improves the working methods by replacing the existing manual system with the computer-based system.*

* + *Automation:*

*Movie Ticket Booking System automates each and every activity of the manual system and increases its throughput. Thus, the response time of the system is very less and it works very fast.*

* + *Accuracy:*

*The Movie Ticket Booking System provides the uses a quick response with very accurate information regarding the users etc. Any details or system in an accurate manner, as and when required.*

* + *User-friendliness:*

*The software has a very user-friendly interface. Thus the users will feel very easy to work on it. The software provides accuracy along with a pleasant interface. Make the present manual system more interactive, speedy and user-friendly.*

* + *Availability:*

*The transaction reports of the system can be retried as and when required. Thus, there is no delay in the availability of any information, whatever needed, can be captured very quickly and easily.*

* + *Low Cost:*

*Reduce the cost of maintenance as information will be in the structured and formatted way. Therefore, the query will take less time. Every module can be modified independently.*

* *Reusability:*

*The system can be reused in any organization or site of the same group, by defining the organization master definition under software license agreement.*

* *Security:*

*Only system administrator has the right to access the database important information such as customer details. Not every user can access all the information. Each user will be having rights to access the module. Therefore, the security is maintained through data protection.*

*Future Scope of the Project:*

*The project is flexible enough to meet the requirements of the Customers. This project also has the scope of enhancements like:*

* *Home delivery of tickets may be provided.*
* *Online booking of purchases of eatables can be provided.*
* *Online payment for the movie tickets can be provided.*
* *Conference facility can be provided for the corporate meetings in the hall. This will increase the profit of the cinema halls as well as the company organizing event.*
* *Any institute/company can book the tickets for the students/clients and special discount will be provided to them.*

***Input of the Project:***

* *Account Details:*

*The software maintains records of each and every user. Thus, the account details are one of the main inputs. These details include the Login Id, Password and Username. The information is maintained by the administrator to keep the record of each and every customer. This information will be used at the time of user try to login in the system through the login module. The information is stored in the database and fetched from database at the time of login. At the time of login, the data will be fetched from database and matched with the data provided by the user to login.*

* *Movie Details:*

*These details are the most important input of this project. The details of each and every movie will be saved in the database. These details include the information about cast, genre, release date and price of ticket. This information will be stored in the database by the staff members through the movie and theater management module. After login in the system, staff member has to fill every detail about the movie and the theater in which it is being displayed. The movie will be then displayed in the movie showcase for the promotion. Customers can watch the trailers and information submitted about the movie from the showcase by just clicking on the pictures of the movie.*

* *Theater Details:*

*These details include theater location, movies displayed at the theater, time table, seats availability and prices of the movie tickets. These details are given by theater owners and imputed by staff members in the project. After login in the system, the staff can fill the above required information about the theater so that it can be displayed in the system. Customer can choose the theater for watching movie after this by accessing the module.*

* *Customer Details:*

*These details include customer name, phone number, email id, username, and password and login id. The phone number and email id will be used for sending confirmation message. These details are taken to keep the record of all the existing customers of the project. This information can only be accessed by the administrator. For the data protection, no other user can access this information. The administrator can only keep track of the information and cannot modify the information unless customer has asked for such service.*

***Outputs of the Project:***

* *Temporary Movie Ticket:*

*This is the main outcome of the project. The temporary ticket will be given to the customer after he has made the payment at the counter. The ticket includes all the information about the movie such as movie name, timings, theater name, auditorium number, seat number and price of the ticket. At the time of movie show, the customer should carry this temporary ticket for the conformation otherwise it will not permissible to allow entering the auditorium.*

* *Payment Invoice:*

*The payment invoice will be provided to the customer after he will make payment at the counter. This invoice will act as the evidence of the payment made. Invoice will include the company name, date of transaction, transaction amount, customer name, payment description, etc. Under the unfavourable circumstances, this will act as the evidence in the court. One copy of invoice will be given to the customer while another copy will be maintained by the company and one record will be maintained by the system. At the end of the academic year, this will help to check the total transaction made by the system.*

* *Movie Review Report:*

*This is another important outcome of the project. A report about the movie reviews will be maintained by the system on the basis of the ratings given by the users about movies. In addition, a*

*ll the direct reviews given by the customers will also included into the report. This report will help the other users to know about the movie and by this they can decide to watch the movie.*

* *Movie Statistics Report:*

*A report will also be created about the movies that will be mostly watched. This information will be maintained on the basis of tickets sold and ratings of the movie given by the customers. This will help the other users to know about the most watched movie. This will also help the theater owners to know about the movie mostly watched and this will help in gaining more profit from those movies.*

* *Theater Statistics Report:*

*Another report about theaters will also be created. This will be on the basis of the information about the maximum number of tickets sold by the theaters. This will provide the users to know about the most visited theaters and hence they can choose the theater according to it. This will also help the theater owners to know about their performance.*