

Thesis Title            Management Information Centre for The State Railway  
                         of Thailand

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#### ABSTRACT

The State Railway of Thailand has responsible for the railroad transportation of passengers and goods in and outside the country. The main objective is "To provide a good and fast service for the customers, while maintaining its financial stability".

The management of the State Railway of Thailand has realized the usefulness of computer as a tool for data processing and management information system. Especially, in the aspect of passenger service which give rise to major revenue for the operation. Data and management information system for passenger service systems will help management in planning and monitoring its passenger operation in a more effective manner.

There are many subsystems in passenger service system. In this research, Ticket Reservation and Cost Benefit Analysis Subsystem will be developed.

The objective of Cost Benefit Analysis Subsystem is to compute cost and revenue for a express train. This management information will help management to decrease the loss of express train or increase the profit of express train. In this program will keep especially express train information because it makes profit to State Railway of Thailand. There are ten express trains such as

1. Bangkok - Ubon express train
2. Ubon - Bangkok express train
3. Bangkok - Nong Khai express train
4. Nong Khai - Bangkok express train
5. Bangkok - Cheing Mai express train
6. Cheing Mai - Bangkok express train
7. Bangkok - Hatyai express train
8. Hatyai - Bangkok express train
9. Bangkok - Surgai Kolok express train
10. Surgai Kolok - Bangkok express train

The objective of Ticket Reservation is to keep reserved ticket information for inquiring from management. In this program is developed to inquiry about ticket reservation such as

1. Inquiring reserved ticket in each train
2. Inquiring summary reserved ticket classified by region
3. Summary reserved ticket report classified by region
4. Daily reserved ticket report
5. Graph