

**CLIENT SUPPORT SYSTEM FOR BUYING AND
SELLING SHARES BASED ON COLOMBO STOCK
EXCHANGE**

A dissertation submitted to the
Industrial Information Technology Degree Program,
UvaWellassa University
in partial fulfillment of the requirements for the award of the
Degree of Bachelor of Science

By

PITAWALA ATAPATTULAGE NISHANTHA ATAPATTU

UWU/IIT/09/0002

Industrial Information Technology Degree Program

UvaWellassa University, Sri Lanka

October2013

Abstract

Main purpose of a member of Colombo Stock Exchange (CSE) is to gain higher profitability. As we know Colombo Stock Exchange (CSE) is used by share buyers and sellers to do their transactions aiming higher profitability.

To do the transactions, candidate must become a member of Colombo Stock Exchange (CSE) and particular candidate must register in Central Depository System (CDS) through an intermediate in order to become a member of CSE. At present CSE has 21 intermediaries. Candidate has the full authority to select one intermediate among all intermediaries and then the registered user can do the transactions.

Intermediary practices to charge a commission for both buying and selling. Therefore shareholders must agree on a specific rate to do the transaction. It is dictated by CSE that, commission needs to be divided between CSE and intermediate.

Problem identified in this is, CSE process working days are weekdays (excluding holidays) from 9.30 a.m. to 2.30 p.m. All the registered users must focus on that particular time for gain the profitability.

Share prices are rapidly changing. Therefore with short period of time members are able to gain huge profits as well as the huge losses.

Throughout the process price can be change. If system supports the multiple transactions, it takes several minutes to process. But all the needs cannot fulfill simultaneously because, the system doesn't support for multiple transactions at the same time. And also they may have different interests on different shares. As well simultaneously two or more shareholders can have the need of same share. As well in an intermediate institute there are many shareholders.

Another way of processing a transaction is browse the CSE website and inform intermediate to buy or sell some selected shares.

For that also it takes several minutes to complete the process. Therefore decision making opportunity can be changing by the way transaction processed. It may raise profits or losses due to share prices changing rapidly.

System proposed solution for the identified problem is Facilitate shareholders to earn more profits and fewer losses.