DEPARTMENT OF ACCOUNTING BUSINESS FACULTY

AN ASSESSMENT OF CASH MANAGEMENT (IN THE CASE OF DASHEN BANK S.CO.)

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AN ASSESSMENT OF CASH MANAGEMENT (IN CASE OF DASHEN BANK S.CO.)

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ABSTRACT

Cash is the most important current asset for the operations of the business. Cash is the basic input needed to keep the business running on a continuous basis, it is also the ultimate output expected to be realized by selling the services or product manufactured by the firm.

The study attempt to find out problems related with Cash Management in Dashen Bank S.Co, at Head Office, And thus, it will provide valuable information and better approach to deal with maintaining a better Cash Management level in the Organization. Therefore, this study will investigate the cash management practices in Dashen Bank S.Co.in the year of 2009 - 2013.

The researchers use a sample design of descriptive research method in order to present data in tabular form. In addition to this, financial ratios are used for analyzing the last five years. In this study, the Bank holds idle cash that will reduce its future profit. Besides, Dashen Bank can use up to 80% of its own deposit for loan, but almost for the all years the bank did not use the deposits as a loan, the way that Dashen Bank administers the cash gap between the limit and excess have still some undefined problems.

Furthermore, the objective of the study is to attempt the render activity of Dashen Bank as fairly and acceptable way of Banking transaction services.

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St. Mary's University

Department of Accounting

Questionnaire

Dear Respondents

This questionnaire is developed purely for academic purpose to undertake senior essay /research/ on entitled "ASSESSMENT OF CASH MANAGEMENT (In the case of Dashen Bank S. Co," and collect the required data. Your support in filling of this questionnaire will make the research process complete. The information you provide for this questionnaire will be used for academic purpose and keep confidentially. Thank you in advance for your cooperation in responding the question by dedicating your precious time.

Key:					
	Put a tick mark (V) on the	space provided			
	Do not write your name.				
Part 1	I: Background data				
1. Your I	Position in the Bank				
A	. Manager	B. Accountant		C. Credit Officer L	
D	. Teller	E. Casher		F. Any other <u>I</u>	<u>I</u>
2. Your	experience in Dashen Bank	(A) Less than	1 year B)1-3	years C)3-5years D) >5years
3. Demo	graphic variable				
	Sex Female	1	Male i1		

Age A. 18-25 B. 26-35

	C. 36-45	D. >45	
Educational Backgro	ound		
A. High school con	mpletion with exper	ience	B. Diploma
C. Degree <u>I I</u>	D. Mast	ers I I E. If a	ny other
Part II: Questions			
1. Have you taken	n training on cash m	anagement?	
Yes	No L		
If yes, explain the	types of training tha	t you have ta	ıken
2. Does the bank	control its cash?		
2. Does the bank	control its cash:		
A. Yes	B. No		C. Neutral
3. If your answer	is yes in Q. 2, how	the bank con	trols its cash?
4. Do you think the	hat the current cash:	management	is effective?
,		C	
A. Highly effective	e	B. Lowly e	ffective C Ineffective
D. Don't know L			
5. If your answer	is ineffective in Q.4	, what are th	e problems in cash management?
6. Does the bank	have good internal of	control over	cash?
6. Does the bank A. Yes	have good internal o B. No	control over o	cash? C. Neutral

7.	How do you evaluate internal control over cash in the bank?
8.	Regarding Q.7 what problems did you face because of cash control?
9.	Is cash collection centralized?
	Yes B. No C. Neutral
10.	If the answer for Q.9 is yes, how is it centralized?
11.	If the answer is No for Q.9, what are the reasons?
12.	Do you think cash budget is efficiently practical?
Eff	iciently practiced II Moderately Practiced II Poor Practice II
13.	At what interval the cash collected from the branches?
A.	Daily B. Weekly C. Monthly I I D. Any other
14.	How do you understand the over all cash management procedure?
A.	Excellent II B. Very good II C. Good II D Well II E. Neutral
15.	What are the physical controlling mechanisms & Procedures over cash?

16. Does the bank hold excess cash
Yes No <u>I I</u> I don't know <u>I I</u>
17. Do you think that financial operation /cash handling/ and accounting record operations
are separated?
Yes, how?
No <u>I I</u> , how?
18. What are the possible risks in connection with cash management procedure (cash collection and disbursement?
19. How the bank collects and distributes cash from and to branches?
20. What kinds of problems do you observe in the collection and disbursement of cash?
21. What are the general problems in cash management?
22. What would be the solutions of problems of cash management?
23. Any others

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DECLARATION

We the undersigned, declare that this senior essay/project is our original wor	k, prepared under
the guidance of Advisor Getahun Guta. All sources of materials used for the	manuscript have
been duly acknowledged.	

Name:	Signature:
Name:	Signature:
Name:	Signature:
	-
Place of Submission:	
Date of Submission:	

Submission of Approval Sheet

This senior research paper has been submitted to the department of Accounting in partia
fulfillment of the requirement of BA Degree with my approval as an advisor.
Name
Signature
Date:

CHAPTER ONE

INTRODUCTION

1.1. BACKGROUND OF THE STUDY

Banks revising their business and operating models address increasingly to demanding fast-paced dynamic markets. customers and The market place conditioned customers to expect instant service and value from every point of contact. They measure their bank experiences against their everyday service providers. Not only interactions with other are customers banking relationships as individuals; have also value in they their own dialog via social media. The increasing empowerment of the collective voice of customers continues to raise the pressure on banks to improve their relationships, stay relevant and demonstrate their added value. (IBM,2011)

Now days, Banks longer remain idle on legacy applications. Growth, can no perhaps even survival, depends upon an agile, cost effective core banking solution that delivers a differentiated service experience. Fueled by an evolving business landscape fierce competition, financial institutions adopt and must banking technology that will enable strategic transformation without core disrupting current operations. These systems need interoperate with core to existing ΙT create end-to-end service-based investments to infrastructure. an (IBM, 2011)

banks in Ethiopia are in the process of transforming Currently, almost all systems in which they can legacy banking systems to modern banking offer get customers' efficient and globally competent services to their customers and satisfaction in return. Moreover, the National bank of Ethiopia has required all banks to National implement core banking solutions facilitate the payment to system which payments and settlements between two financial institutions in will be effective. (EATS User Guide, 2011)

Therefore, this study deals with the new IT infrastructure implemented in CBB. The latest core banking software named T 24, which serves 24 hours a day & 7 a week and provides non-stop banking, has provided bγ TEMENOS, leading banking software company in the world. On the first hand, we can say fulfilled the requirement of National bank of Ethiopia relating with the National payment system. On the other hand, the actual changes in the environment of the bank and customers satisfaction should working be evaluated to know whether the transformation objectives are fulfilled or not.

Therefore, assessing the real impacts of the new system in the working environment of the bank and analyzing the customers' feedback are the core points of this study.

1.2.BACKGROUND OF THE BANK

Construction and **Business** Bank S.C. is а wholly government-owned public Housing Savings Bank (HSB) which enterprise and successor of the and was formed in 1975 through the merger of two financial institutions namely, Imperial Savings and Home Ownership Association, and Savings and Mortgage Corporation of Ethiopia which nationalized the beginning the were at socialist era of Ethiopia.(http://www.cbb.com.et.February 03,201 4)

HSB's objectives were granting long-term loans for residential housing and commercial building construction, purchase and renovation mobilizing by financial resources through ordinary savings, time deposits and long-term borrowings. For about twenty years since 1975. HSB has made important contribution to the development of housing in the country in which until now name.(http://www.cbb.com.et.February enjoyed the reputation as а household 03,2014)

Following the market-based economic policy of the country and the ensuing economic programs initiated the government 1992, **HSB** reform by in was reconstituted as Construction and **Business** Bank in September 1994 by regulation No. 203/94 with an authorized capital of Birr 71.8 million. The regulation gave CBB the mandate to provide universal banking services. In line this, **CBB** has ventured into commercial banking operations stage by stage maintaining construction financing as its core business.

CBB repositioned full-fledged since 1995 E.C has itself as universal bank advantage of the emerging private sector as a new market under taking the the competitive environment. emerging business However, based on the government's decision to privatize the Bank and to pave the way the execution of same, beginning September 2000 it has been converted to a share Ethiopian Commercial company in accordance with the Code. Αt this time, raised to Birr 79.0 million through the restructuring of again CBB's capital was its balance sheet. (http://www.winne.com. February 05,2014)

Generally, CBB provides International banking, domestic banking Money Transfer services in the country with a vision To be the best performing bank in Ethiopia by 2020. And it is devoted to provide banking services to add value stakeholders thereby to foster national economic development' more 110 1856 than branches and employees in Ethiopia. (http://www.cbb.com.et.February 03,201 4)

1.3. STATEMENT OF THE PROBLEM

A core banking system is essentially the heart of all the systems operating in a bank. It can be described bank's IT as the core of a platform. With the advancement of technology, core systems tend cover more and more to functionalities, providing the bank with an integrated solution for most of its banking system resides operations in varied business lines. A core in the heart of а bank's data center and provides central operational database of 360-degree view of customers' assets and liabilities. It enables a customer's a relationship with the bank.(http://www.cognizant.com. February 05,2014)

banking IT system renewals suffer significant overruns of cost Most core time estimates. Strong internal capabilities, careful selection of implementation contractual parameters roles partners, clear and and rigorous project and are the critical factors that determine change management the success of а core banking implementation. (Rohan, Kudav and Megha Bhasin, 2013)

In our Construction and business bank has implemented banking case, core technology in its some departments at head office and in all of city branches. Obviously, implementation projects highly core banking expensive and are requires higher dedication for the accomplishment of the related objectives. this regard, CBB has expected some returns at the end of its implementation effectiveness process. Therefore, this research tries to assess the of the implementation process by addressing the employees compatibility with the implementation of system, customers satisfaction after the the new the new working environment of the bank. system and the changes in the In relation with under throughout this, the mentioned research questions were covered the study.

1.4 RESEARCH QUESTIONS

- How does the new system compatible with the current condition of the bank?
- How was the efficiency of the implementation process regardless of using the allocated resources?
- To what extent CBB's customers are benefited from this technology implementation?
- What are the changes in the working environment following the implementation of the new system?

1.5.OBJECTIVES OF THE STUDY

1.5.1.GENERAL OBJECTIVE

The general objective of the study is to assess the effectiveness of the new core banking system implemented in Construction and business Bank s.co.

1.5.2. SPECIFIC OBJECTIVES

Under the general objective stated above, the research has the following specific objectives:

- To give a summarized information about the new system
- To assess the effectiveness of the implementation process
- To take a subjective measure of customers satisfaction towards the new system
- To assess the compatibility of employees with the new system
- To investigate the changes in the working environment following the new system.

1.6.SIGNIFICANCE OF THE STUDY

primary significance of this study is for the management of CBB. On the The research first hand. the will provide summarized information about customer's satisfaction related with the new system and helps the management to evaluate its objectives are Secondly, the management can whether met or not. analyze the current working condition after the new system is implemented in various departments branches gets the employees' response towards the and and system which in return helps to make further modifications and simplifications this, the recommendations of the researchers the system. Beside help the bank to offer better services in the coming modern technologies.

Thirdly, its contribution to the readers supposed to be high. As the system is a recent phenomenon in our country, there are no sufficient research materials related with it. So, this research will provide some awareness about the system

and will serve as a reliable reference for the next researchers. Its significance goes to other banks or financial institutions for the reference purpose to their technological improvement programs.

Finally, methods and techniques applied in the research also enhance the researchers' know-how.

1.7.SCOPE OF THE STUDY

findings of the study would be more fruitful if it were conducted branches and departments in the bank. But due time including most to constraint it is impossible to do so. Thus, the study is delimited to assess three departments in head office and two branches. The three departments (Credit, Trade Customer Accounts and Transaction) and the Main and branch were selected to assess the working environment and employees' response toward the for satisfaction the system. And customer's assessment, **Abunepetros** branch customers were selected.

1.8.RESEARCH DESIGN AND METHODOLOGY

1.8.1. RESEARCH DESIGN

The researchers designed a descriptive method of research design which helps to describe the major findings of the study by taking the research questions into consideration.

1.8.2. POPULATION AND SAMLING METHODS

bank is a composition of branches and various departments at head office. The impossible And as mentioned earlier, it was to conduct the research on the So that, whole departments and branches. the researchers have selected 40(66.67%) employees out of 60 employees from the 3 major departments and addition 80(16%) the Main branch. In to this, customers randomly were selected of 500 While out customers in Abune petros branch. sampling, employees with educate knowledge on the research issue and willingness

participate in the research were purposely selected by the researchers. On other hand, average number of customers which takes various services in the branch in two consecutive days (80 customers) were randomly selected from Abune petros branch.

1.8.3. TYPES OF DATA COLLECTED

researchers used both primary and secondary data for the research. primary data was considered as a major source of information as it was directly respondents through questionnaires and interviews. gathered from the other hand, the researchers used books, articles in the web sites and other published & unpublished materials for the research. Furthermore, previous research works (indirectly related with the research) and the internal for the written documents were served as a reliable source of secondary data researchers.

1.8.4. METHODS OF DATA COLLECTION

interviews Basically the researchers planned to use and questionnaires to Unstructured gather primary data for the research. interviews were planned to conduct with concerned higher officials with the bank like project in the manager of banking implementation. Additionally, questionnaires with core close and open ended questions were used to get direct response from the sampled employees and customers of the bank.

1.8.5. DATA ANALYSIS METHOD

collected through questionnaires and interviews presented were descriptive method of analysis in which tables and charts are the major tools of This presentation. method also helped the researchers to draw basic conclusions study enabled make valuable recommendations on the and to based on the findings.

1.9.LIMITATIONS OF THE STUDY

As Core banking technology is recently introduced to our country, couldn't local research materials related with it. Lack of published books find (related with the the libraries also another limitation faced. time topic) in we a limit in the research. Beside this, constraint also sets we couldn't interview the director of the core banking implementation project office as he busy.

1.10. ORGANIZATION OF THE STUDY

The study organized into four chapters. The first chapter has deals with the introduction part of the study in which the background of the study, background of the bank, statement of the problem, objectives of the study, significance of the study, limitation and scope of the study and research design methodology are specified. The second chapter concerned with presenting related literature. The third chapter treats the the review of interpretation presentation the data collected. The fourth chapter of bring to an end this study with summary, conclusions and recommendations.

CHAPTER TWO

REVIEW OF RELATED LITRATURE

purpose of this chapter is to review the literature in the area core implementation focused banking and mainly on the benefits of adopting core banking This literature establishes system. review of framework, which could а guide the study.

2.1. WHAT IS CORE BANKING?

Core banking is a service provided by a group of networked bank branches. customers may access their funds and other simple transactions member the branch offices. Nowadays, most banks use core banking applications support their operations where Core **Banking** stands to "centralized online real-time electronic banking". This basically means that all bank's applications centralized branches access from datacenters. This means that the deposits made are reflected immediately on the bank's servers the the deposited money from any of the customer can withdraw bank's throughout the world. (http://www.Wikipedia.com. February 05,2014)

In simple way it is doing all banking operations of Branches and Head Office by connecting to a central computer kept at Data center.

■ Core Banking - Basic concept

With technology particularly "Tele Communication" advancement in and "Wireless Communication "it became possible send data from one computer to another computer. Taking advantage of this it was thought fit to connect and branch computers single computer data center all to a at have transactions of all branches recorded live at one place. This concept is "CORE BANKING". Α single computer at data center get live data from branches position of the bank as a whole is available at one place at each moment. This system operations brought change traditional banking of then total in

branches were Many repetitive functions at taken central operations. at place. is called "business re-engineering" in terms of shifting to core banking. This change brought many advantages also to bank and its customers and changed customer service dimensions. (P.R. Kulkarni, 2010)

2.2. BENEFITS OF CORE BANKING

According to P. R. Kulkarnis study, core banking has the following advantages:

2.2.1. It Provides a Centralized Accounting

All the transactions of the bank directly impact the General Ledger and Profit and Loss Account. This provides a real time total picture about the financial position and situation of the bank. This helps for timely effective decision making for financial management, which is а very critical and dynamic function in today's banking. (P.R. Kulkarni, 2010)

2.2.2. It serves as a Centralized Product Control & Monitoring

Centralization helps better product analysis, monitoring in and rollout. **Aspects** like modifications, product modification interest interest rate and application be done centrally from one place for all the branches. Bank can quickly respond to market scenario and customer needs. This gives competitive edge to the bank. (P.R. Kulkarni, 2010)

2.2.3. It Facilitates Technology Based Services

Service channels such as ATM, either on-site or off-site, can be started. Cheque Such machine in WAN connectivity Deposit Machines (CDM) can be installed. allow any customer to deposit the cheque for collection at any book printing machine can be installed at central location give personalized cheque books. Such machine in WAN connectivity receive command from any branch. (P.R. Kulkarni, 2010)

2.2.4. It Provides a Centralized Customer Account Management Tool

Anycustomer becomes the customer of the bank rather than of a branch. With viewed ID/Account Number the unique the accounts of customers can be products centrally by the bank. As such, customer profile, details of and services availed by him and customer behavior about business of the bank can be well understood. Such customer view gives the bank opportunity to decide directions for business development and marketing strategies. (P.R. Kulkarni, 2010)

2.2.5. It Facilitates Centralized Reporting

Presence centralized up-dated of data constantly live any time ensures comprehensive report or statement generation. This tremendously helps various decision making as well submission to authorities. Operational as efficiency of the bank gets increased due to quick report generation for bank as a whole. (P.R. Kulkarni, 2010)

2.2.6. It provides a Centralized System Administration

Centralized I.T administration enhances system system security and user management. systems man-power for I.T. administration required In legacy at each branch. But in core banking it is required only at one place. Thus single point resource available reduction in man-power need and cost. Due to I.T. manpower is utilized properly.

2.2.7 Advantages to Head Office

- Consolidation of statements or reporting at one place reducing duplication of tasks at branches and it is of real time.
- Supervision of branches on risk perceptions will be possible as ongoing process.
- Frequent audits and timely control measures can be initiated.

- Quick informal decisions on real time statements will be made faster and practically real time reconciliation of accounts.
- For statutory reporting and compliance no need to wait for branch compliance.
- Product-wise, customer-wise, customer profile based analysis and decision making are possible.
- Analysis of data on any aspect of banking business and control issues gives scope for keeping the bank professionally healthy.
- Centralized clearing function reduces man power requirement at each branch for the purpose. Audit on operational aspects of the accounts can be done at a single location as entire data is available at one place.
- User access to the computer system in the bank can be restricted to his/her needs and authority only that achieves safety.
- Printing of several matters such follow-up notices, of as statement accounts etc. can be done centrally on "line printer" that reduces the printing time, printer and man-power need at each branch.
- Account opening and scanning of signatures can be done at central location.

By installing mailing solution the intra net of the bank. written on communication in the form of letters, between H.O. and branches and vice versa, can be eliminated. Mailing solution can set parameters for decision and if not decided in time the mail can be escalated to next higher authority. This enhances the decision making procedure and delay at any level gets known to higher authority. (P.R. Kulkarni, 2010)

2.2.8. Its benefits to Credit Department

Reduced credit processing existing Credit time for loan accounts as the Department gets information handy. For processing of new loan accounts the facilitates information product is available that proper decision. Real time credit tracking by setting alerts about delays, deviations, and penalties etc.

Corrective measures in credit portfolio can be quickly taken due to credit portfolio analysis.

2.2.9. Its benefits to Accounts Department

Centralized real time General Ledger and Profit and Loss Account almost eliminates accounting work. Greatly reduces paper work. inward communication needs and work of tallying. Deadlines of statutory compliance and submissions are met in time. Balance sheet of the bank will be available at day, any hour and any moment. Accounts Department can concentrate on policy, compliance and reporting issues. (P.R. Kulkarni, 2010)

2.2.10. Its benefits to Information Technology Department

I.T. Department becomes the focused entity back-bone the operations and of of the bank. Central data management application reduces logistical and problems and reaction time for system changes and/or troubleshooting. Parameter application and such other being done settings, interest works mistakes at avoid chances of otherwise repetitive different branches and then load on I.T. Department for rectification work. (P.R. Kulkarni, 2010)

2.2.11. Benefits to Customers

Customers can operate their account from any of the branch of the bank. More service channels be made available the customers. can to Customers get immediate credit if the transaction is between the branches of the bank. Even extension counters can provide all services to the customers.

Moreover, Customers get full attention and service satisfaction at the branches as the branches are freed from all back office functions, clearing functions and almost all accounting functions. Customers can get SMS alerts on their mobile or e-mail alerts through net for transaction taking place in their account. This gives them comfort and security. (P.R. Kulkarni, 2010)

2.2.12. It Improves Branch Functionality

With reduced work at the branches they can focus on development of business, service attendance and meaningful liaison with customer and customer for getting new business. Since customer needs are known with proper analysis they can be well attended even before their demands that enhance the image of bank as customer's perception. This increases business and thereby profit.

Furthermore, a well-conceived core banking migration will accomplish the following: (Oracle: 2009)

- **Replace legacy systems:** Old technology slows innovation and decreases productivity. Banks need new systems that empower the enterprise through an integrated infrastructure and processes aligned with strategic objectives.
- **Increase competitiveness**: The right core banking solution can help banks quickly deploy new products and lower costs to enhance the ability to compete.
- **Facilitate** regulatory compliance: Compliance is complex expensive. and The right regulatory platform will through lower costs improved asset reusability, faster turnaround times, and increased accuracy.
- **Improve information flow:** To improve the speed and accuracy of decision-making, banks must deploy systems that streamline integration and unite corporate information to create a comprehensive analytical infrastructure.
- **Optimize customer value:** Through a holistic core banking architecture, banks can target customers with the right offers at the right time with the right channel to increase profitability.
- Create service-oriented architecture (SOA): Α flexible. robust ΙT based architecture SOA optional. SOA on is not Banks must embrace to survive. (Oracle: 2009)

2.3. CORE BANKING AND ELECTRONIC BANKING (E-BANKING) SERVICES

Banks with core banking technologies can offer E-banking services to enhance their customer's value.

2.3.1. Definition of E-banking

E-banking has a variety of definitions all refer to the same meaning. According to Kamrul, E-banking is a form of banking service where funds are transferred through an exchange of electronic signal between financial institutions, rather than exchange of cash, checks, or other negotiable instruments.(Kamrul, 2009).

The term of E-banking often refers to online banking/Internet banking which is the use of the Internet as a remote delivery channel for banking services (Furst & Nolle 2002, p.5). With the help of the internet, banking is no longer bound to time or geography. Consumers all over the world have relatively easy access to their accounts 24 hours per day, seven days a week.

Another definition of E-banking is that "E-banking is the use of a computer to retrieve and process banking data (statements, transaction details, etc.) and to initiate transactions (payments, transfers, requests for services. etc.) directly financial with bank with other service provider or remotely telecommunications network" (Yang 1997. p.2). It should be noted that electronic banking is a bigger platform thanjust banking via the internet.

E-banking can be also defined as a variety of platforms such as internet banking or (online banking), TV-based banking, mobile phone banking, and PC (personal computer) banking (or offline banking) whereby customers access these services using an intelligent electronic device, like PC, personal digital assistant (PDA), automated teller machine (ATM), point of sale (POS), kiosk, or touch tone telephone (Alagheband 2006, p.11). Different forms of E-banking system were discussed as follows.

A. Automated Teller Machines (ATMs)

Ιt is electronic terminal which gives consumers the opportunity get banking service any time.An ATM combines a computer at almost terminal, record keeping system, and cash vault in one unit, permitting customers enter a financial firm's bookkeeping system with either plastic card containing a personal identification number (PIN) or by punching a special code number into а computer terminal linked to the financial firm's computerized records 24 hours а day. Once access is gained into the system, cash withdrawals may be made up to pre specified limits, and deposits, balance enquiries, and bill paying may take place. (Alagheband, 2006)

B. Point-of-Sale Transfer Terminals (POS)

Computer facilities in stores that permit a customer to instantly pay for goods services electronically by deducting the cost of each purchase directly from his her account are known as Point-of-Sale (POS) Terminals. The customer or presents an encoded debit card to the store clerk who inserts it into a computer firm's terminal connected to the financial computer system. The customer's for the purchase and funds are automatically transferred to is charged the store's deposit account. (Alagheband, 2006)

C. Internet Banking

banking system using web technology in electronic home which Bank able conduct their transactions with customers are to business the bank through personal computers. Use of internet to carryout financial transactions is certainly one of the most promising avenues today for linking customers with financial service providers. Through the internet a customer can:

- Verify real time account balances anytime from any location
- Move funds instantly from one account to another
- Confirm that deposits have been made, cheques have cleared, and online transactions have taken place.

- Place an order for new cheques.
- Submit an application for loans and credit cards, etc.

D. Automated Limited - service facilities

though Even full service branches still represent а very important channel through which financial firms communicate with customers, electronic their facilities and systems represent the most rapidly growing firm-customer link today. In truth, the most effective service delivery systems in use today appear be multichannel-combining full service branches and electronic, limited to service facilities with in the same financial firm. (Alagheband, 2006)

E. Mobile Banking and call centers

Mobile banking is service that enables customers to conduct some banking a services such as account inquiry and funds transfer, by using of short text message (SMS). As more cell phones appear and are linked technologically with the internet and with credit and debit card accounts, the cell phone literally becomes a "Portable Bank". (Alagheband, 2006)

Furthermore, by combining cell networks with the power of the internet to phone and amounts of information high speed, the cell convey vast at text messaging technology seem to offer the potential to promote worldwide use of debit and credit card accounts and make purchases and payments from anywhere on the globe. (Alagheband, 2006)

Call centers focus is to assist their customers in obtaining account information avoiding and carrying out transactions, walking driving to а branch office or ATM.

Increasingly, call centers are being used not only answer customer's questions, but also sell build relationships. to cross services and customer (Alagheband, 2006)

2.4. CORE BANKING AS A PREREQUISITE FOR ETHIOPIAN AUTOMATED TRANSFER SYSTEM (EATS)

2.4.1. Electronic Fund Transfer System

The Electronic Fund Transfer (EFT) system is recent development a the a result of the adoption of modern technology in banking. It banking field as facilitates transfer of funds from one center to another across banks within a few seconds and assumes availability of funds on the next day of the transfer. (Gomez, 2008)

2.4.2. An Overview of Ethiopian Automated Transfer System

The **EATS** application of the EATS provides a settlement mechanism in which settlement both processing and final of inter-bank funds transfer instructions take place continuously. In EATS, the settlement of funds occurs transaction-by-transaction or bulk-by-bulk basis depending upon whether the originating instruction is an individual transaction or а bulk transaction. The funds availability, and settled, continuously, tested for and in real Bank settlement accounts, provided time across Central that the sending bank sufficient provides continuous has covering balance or credit. **EATS** intra-day finality for individual and bulk transfers. (EATS User guide, 2011)

Each Participant has settlement account in **EATS** and also have Collateral Account, which records the available collateral for **EATS** settlement, Intra-day Liquidity Facility (ILF) which records account the amount actually mobilized at any time and various Reserve Accounts which enable funds to be held back for specific purposes. (EATS User guide, 2011)

The **EATS** application provides inter-institution for the payment services National Bank of Ethiopia (NBE) and the Participants. In providing these services, the EATS system performs the general functions of:

- Message Handling
- Payment Processing
- Liquidity Management
- Queue monitoring and control
- Reporting
- Complete monitoring of account balances for both the Central Bank and Participants

The EATS application supports the following banking operations:

- Payments between Participants (including NBE as a Participant)
- Clearing House settlement
- Other NBE transactions affecting Participant accounts, including accountadjustments (Participant Debits, Participant Credits and Participant Transfers). (EATS User guide, 2011)

2.4.3. Participants in EATS

Participants in EATS are:

- National Bank of Ethiopia (NBE)
- Ministry of Finance and Economic Development (MOFED)
- Ethiopian Revenue and Customs Authority (ERCA)
- Commercial Banks
- Clearing Houses (for the purpose of entering Net Settlement Instructions, e.g. ECX).

2.4.4. Core banking for the Improvement of Clearing House Functions

Banker's Clearing House is a place where interbank claims arising on account of cheques received for collection by each bank drawn against other banks are settled. Every day, each bank receives hundreds of cheques drawn on different banks. It would be a difficult process to present all these cheques for payment over the counters of each bank. Today, only a very limited numbers of cheques

presented for payment to the issued are banks to obtain cash or notes exchange. A great majority of cheques are paid though the medium of clearing houses. (Gomez, 2008) so, core banking supports this facility as all branches directly connected to the clearing house.

2.5. CORE BANKING AS A FOUNDATION OF INTERNATIONAL BANKING

International Banking

According to Alfred Slager, 2006, An international operating bank has the following characteristics:

- 1. Asset and/or liabilities other than in the home country and/or home country currency
- 2. Rights and/or claims other than in the home country and/or home country currency, part of which is:
- 3. Issued and collected outside the home country. (Alfred Slager, 2006)

The most common organizational unit for most international banks is the branch office, normally offering a full line of services.

Peter & Silvia stated the following services supplied by banks in international markets:

- Making Foreign currencies available to customers
- Supplying customers with short and long term credit or credit quarantees
- Supplying payments and savings instruments to international customers
- Helping customers market their products through export trading companies. (peter & Silvia, 2008)

2.6. CORE FUNCTIONALITIES OF T 24 (THE NEW SYSTEM)

TEMENOS, the leading software company, offers a latest banking product named T24 for CBB with the following core functionalities:

2.6.1. CUSTOMER application

CUSTOMER application central "Core" to T24 system all activities is or as ΑII management information customer centric and services are in nature. Details organized around Customer record. mentioned in Customer are anywhere records are not repeated else, but used by all applications. subsequent changes in these details are hence required to be done only at **CUSTOMER** application and hence it is maintain. to easy (Overview of T 24, 201 2)

basic information about any entity which the It contains all the bank has T24, Customer record creation is not dealings with. In restricted to 'Bank's Customer' conventional sense of word. in the the Α customer record will need to opened for correspondent banks, brokers, guarantors be as well as for Bank's customers like current and savings account holders, borrowers, depositors and the like. (Overview of T 24, 2012)

Details in Customer descriptive in financial. record are nature and not example, it holds occupation, residence contact details the and а Customer. It will not hold the account numbers balances in those or accounts of a Customer.

ΑII business applications during process refer to the Customer record processing. Therefore must be opened before any Customer business activity. (Overview of T 24, 2012)

Customer records for Banks, Correspondent Banks and Agents should ideally be opened at the initial stage itself as this will help to minimize data

input for settlement instructions in Money Market, Foreign Exchange and Funds Transfer applications.

Though some Banks insist that their Customers should always have an account with them before getting into any Contractual relationship, this private not mandatory universally. In Retail Banking, а or corporate savings customer would normally have some kind of account such as account, current account or Overdrafts. Banks have Nostro Account Banks. But a Customer need not be in account relationship Bank business. Contract type transactions such as FOREX, Money Market and Securities can still be arranged and a limit would normally be set up for a Customer for such dealings. (Overview of T 24, 201 2)

Customer record holds all the basic information about a Customer.

Ideally only one Customer record should exist for each Customer. This can be created whenever a name, address and other such essential information is obtained and is not dependent on the existence of an account.

In T24, creating a Customer record need not wait till we are ready to open an account or till we propose to have a business transaction.

a Customer For example, record can be set up even when a Bank considering having any relationship with. Later, when it decides enter Foreign obligation, like exchange into any contractual or Money Market use the Customer record already created. If at any dealings, it can stage, the Bank proposed to open a current account, it need not create for the Customer. It can another record as well use information already stored. (Overview of T 24, 2012)

Once a customer record is authorized, it is not possible to reverse the record. We can however amend any details as and when needed.

2.6.2. ACCOUNT application

ACCOUNT application caters to creation and maintenance of all accounts handled by T24. In T24, Accounts can be classified as two types, type Customer account or internal of account. Customer are accounts opened for and owned by external customers. External should be a customers the sense that it valid counter party. Internal maintained by the bank accounts are accounts for its own purpose, cash account, Travelers' Cheque etc. (Overview of T 24, 2012)

Accounts module provides for calculation, accrual application and of be interest customers' accounts. Interest could either а Fixed Floating rate. Further it can be level or banded. In addition, it is used charges relating to maintenance and servicing of Rules for interest and charges can be set for an individual account or for a group of accounts. (Overview of T 24, 201 2)

It is also used for production of account statements and issue of passbook for certain class of customer accounts.

Ιt possible handle cheque book management in T24 like issuing, to controlling stock, recording payment, noting and effecting payment stop instructions.

By linking to another related module called image management it is possible to verify signature of account holders. Sweeping of balances between accounts can also be handled. ACCOUNT module has a separate application called ACCOUNT.CLOSURE for closing accounts. (Overview of T 24, 201 2)

2.6.3. TELLER application

handling TELLER application is meant for cash, traveller's cheques and account to account transfer. Teller operations handle both local currency and foreign currency transactions. Cash deposits and withdrawal, foreign

buying and selling, account to account transfer, sales purchase of traveller's cheques and printing of passbooks can be handled through application. It is also possible to transfer cash **TELLER** from one teller operational requirements in addition to transfer of cash another Vault Tellers. Teller operations affect Customer Accounts, Internal to Loss Profit items. Cash Accounts and and is an internal account and transaction done by а Teller will affect Cash account. When customer is paid cash or when cash is received from a customer for credit to are affected. Accounting is account, customer's accounts automatic. customer accounts are affected, limits are checked and updated automatically, where applicable. (Overview of T 24, 2012)

It is possible to take charges for some operations. When foreign currency is take currency handling charges bought or sold, banks and commission. addition to this, Teller department may like to book marketing profit or loss when the rate offered to customer is different from Treasury Bank's cash is centrally held. Vault is where There could one vault also. Head Teller operations include control of Vault. Head tellers. Controlling Teller also controls other of other tellers include assigning tills authorizing transactions of tellers and transfers to users, between tills, physical checking of cash during till closure. (Overview T 24, 2012)

2.6.4. FUNDS TRANSFER application

FUNDS.TRANSFER is one of the account based applications in T24 for moving funds around the system internally and externally.

Internally, payments be made to or from a Customer's can account an internal account. Ιt could involve transferring money from one customer account to another customer account. Some of the external types of payment include Mail Payment, Banker's House Payments, Cheques, Draft, Clearing International payments via Correspondents etc. (Overview of T 24, 2012)

The application is designed to handle all types of currencies, local or foreign and inward or outward payments.

application is primarily used for transfer of money from one account to another. It makes use of any of the following types, namely Customer accounts, internal accounts and Profit and loss categories. Customers have different types of Accounts such as, Current Accounts, Savings Accounts, Margin and Accounts and so on. Banks also have internal accounts, which are bank's own accounts. Examples are Cash account, Suspense Account, Draft payable account etc. Profit and Loss items, called Categories in T24, are basically of two namely product related income or expense like interest types Loans, Commission on LC, Charges on Current Account etc. and non-product related Salaries, Rent, Electricity, etc. All these groups are differentiated by using suitable range of CATEGORY code. (Overview of T 24, 201 2)

For example, if there is a transfer of amount from one customer of bank/branch, another customer account the same then the transfer is between two customer accounts. If a customer requests for a Cashier cheque or a Demand Draft then a charge is collected for the purpose. Now, it Profit of three accounts namely a customer account, internal account and loss items. (Overview of T 24, 2012)

2.7. REASONS FOR FAILED CORE BANKING IMPLEMENTATIONS

Based on the observations during core banking implementations for various clients, Rohan Kudav and Megha Bhasinon have been able to identify some key reasons for failed core banking implementations as follows:

Lack appropriate product selection methodology: The product selection methodology is based the bank's specific requirements on and characteristics. What applies to one bank may not necessarily apply selection methodology another. Hence, unless the product is well thought through, it can become one of the reasons for initiatives such as these to fail. (Rohan & Megha, 2013)

- vendor's inability to deliver: The vendor's The experience in delivering similar crucial. It is therefore core banking engagements is important to analyze the vendor's performance and capabilities in similar scenarios in the past, both in terms of functionality as well as in terms of the size and complexity of the engagement. (Rohan & Megha, 2013)
- The project group's limited capability: Just as the vendor needs to be
 experienced, it is also important that the entire project group, which would
 include representatives from the vendor, SI and the client, have experience
 in and exposure to handling projects of similar size and complexity.
- System Integrator limited capability: The SI plays an important the interface between the bank and the vendor. Hence. SI's capability in handling projects and programs this magnitude of is an important consideration.
- Lack of a well-thought-through modelset in place from the very beginning
 of the implementation can be a major stumbling block that can trip up the
 initiative.
- support from top management: If Lack of sufficient backing not provided by the top management of the bank for the core banking transformation, any roadblocks can turn into significant impediments the success of the transformation. (Rohan & Megha, 2013)

2.8. CUSTOMER EXPECTATIONS AND NEXT GENERATION BANKING

fire-fighting Even as most banks do today, the smarter looking ones towards the future with New Age Banking. New Age Banking will be driven by require to focus customers. customers and banks on creating value for its (Sumit & Alok, 2009)

Five customer imperatives

Shifts in demographics, incomes, attitudes and behavior, addition easily in to accessible information. are empowering customers to demand greater responsiveness transparency banks. autonomy, and from their Not only do they want personalized products but are willing to shift loyalties and approach another bank that offers them better deal. Increasingly, banking а customers worldwide exercising their freedom of choice changing are their banks search for better service. The writing on the wall is clear: keep your customers happy and survive'.

According to the study by Sumit & Alok (2009), the five imperatives that customers will be looking at to be addressed by their bank of choice are:

- 1. Channel Amplification: develop the right mix of assisted self-service and channels provide а rich, unified and consistent banking experience. Todav's customers of choices and banks need understand have а lot to customers that. To service their better, they need to have a right mix of both traditional and age channels. While the importance banking new service through traditional channels such as branches, ATMs, kiosks and boxes are far from over, banks need to transform their channel strategy with the idea that a customer's approach channels additive to and not substitutive.(Sumit & Alok, 2009)
- 2. Service **Accessibility:** incorporate technologies which banking can make accessible to a broader base of population. Banks need not only improve service to all their customers but also:
 - Reach new markets by attracting and retaining customers from a broader base of the population.
 - Enhance the banking experience for current customers by offering accessible services.

Investing in accessibility is more than the right thing to do; it is smart thing to do for business. With an infrastructure of accessible hardware software inclusive corporate culture and and an in place, banks

focus gaining business advantage from accessibility can bring sharp on investments and transform to an on-demand business. (Sumit & Alok. 2009)

- 3. Customer serviceability: develop a responsive, reliable and competent service model, accessible via various channels that continuously take improvise. Today, customers feedback and can can access banking services 24 hours a day, 7 days a week and they can do so in person, over phone, some places through the television. Customers online. and in obtain information about products services quickly, and compare prices instantly and switch suppliers easily. Αt the other end of the spectrum, banks must continue to serve customers who want also to come to and deal person directly. Many simply prefer to be able to discuss their financial service requirements face-to-face. (Sumit & Alok, 2009)
- 4. **Data** Security: identity Privacy and protect the of the customer, and mechanisms established ensure appropriate are to proactively guard against internal and external misuse of customer information. The resulting impact of data breaches on a customer's personal life is huge and has been found to result in emotional disorders and complications developed in both the short and long terms amongst banking customers. In such critical situation, the basic expectation from customers is to find their banks not only to be responsive and ensure recovery of financial importantly, be respectful and empathetic. (Sumit losses but, most & Alok, 2009)

The which traditional authentication ease with systems are compromised recent times together with the rapid growth in identity theft in and increasing privacy concerns have resulted in а surge in demand for methods. functions stronger authentication Some of the key to be considered seriously by banks are:

■ On-time implementation of government regulations of authentication processes.

■ Biometric authentication methods, which use "something you are" as the basis of verification, rather than something you have, like a smart card or PIN.

Hence, it is logical to conclude that data privacy is still a relevant area of concern for banking customers despite technological advances and strong risk management processes needs within the bank not only to minimize the financial loss but also to safeguard emotional victimization of customers. (Sumit & Alok, 2009)

5. Simplified Banking: make banking sophisticated, yet simple, in terms of processes and services, to enhance the customer experience.

In today's world, a customer has access to multiple channels of banking. Still, we see a drift of customers from one bank to another in search of easy and banking processes smooth banking experience. Providing simplified, fully loaded banking experience is the need of the hour for bank. yet, Banks will need to take the participative view of customers design banking products and channels banking process, in such а way that simplified offer experience remains easy and and at the time can same world class products and services at competitive rates. (Sumit Alok, 2009)

CHAPTER THREE

DATA PRESENTATION, ANALYSIS & INTERPRETATION

3.1. OVERVIEW

This chapter deals with the presentation, analysis and interpretation of the entitled collected data through questionnaires and interview for the research "the of assessment core banking system implementation Construction in and S.Co." **Business** bank In this regard, the researchers gathered pertinent questionnaire formats data through which have distributed primary two been to 80 customers from AbunePetros branch and to 40 employees from the Main 3 branch and fundamental departments of the bank. Among the distributed questionnaires for employees all are returned timely with 100% return rate and 63(79%) questionnaires returned from customers of the bank. Therefore. were collected from employees has analyzed & presented first by using tables and charts and the data collected from customers has presented next.

3.2. DATA PRESENTATION, ANALYSIS & INTERPRETATION OF DATA COLLECTED FROM EMPLOYEES

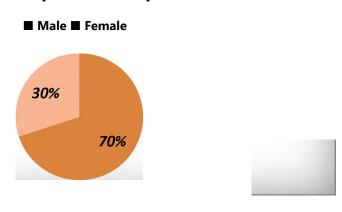
3.2.1. Characteristics of the study population

The data obtained through questionnaires indicates the general information of respondents.

3.2.1.1. Sex Distribution

The sex distribution of respondents is here under presented

Chart-1: Respondents' sex profile



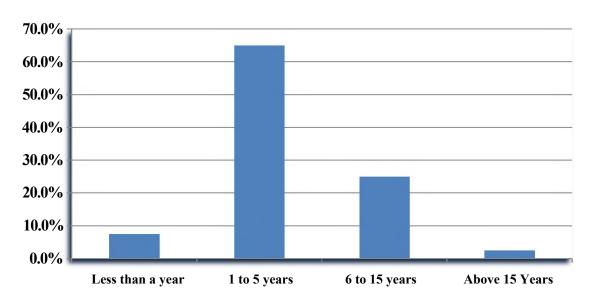
Source: Primary Data

As indicated in chart-1, among 40 employees, 12(30%) of them were female and the remaining 28(70%) were male. This implied that there are large number of male employees in the major 3 departments and the main branch of the bank.

3.2.I.2. Work experience of the respondents

The work experience of employees is here under presented:

Chart-2: Respondents' Service year profile



Source: Primary Data

As indicated in chart-2, the working experience of employees, 40 out of employees 26(65%) of them have a service life of 1 to 5 years which is the largest portion among others. Employees with the experience of 6 to 15 years rates 10(25%), and 3(7.5%) of employees serving for less than a year. 1(2.5%) employee has a service life of more than 15 years in the bank. This implied that the bank has more employees with the early stage of service years.

3.2.I.3. Educational qualification of respondents

The educational qualification employee contribution of has crucial for the а The accomplishments the bank's objectives and vision. educational qualification of employees is depicted below:

Chart-3: Respondent's Educational Qualification

90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Diploma First Degree Masters

Source: Primary Data

As indicated in chart-3, the educational qualification of employees, the among 40 respondents, 33(82.5%) of them were first degree holders which possess the qualifications, majority number among other and the remaining 4(10%) &3(7.5%) were Diploma & Masters holders respectively. of them This indicates that the bank owns relatively qualified employees in its major departments and main branch.

3.2.I.4. Analysis of major findings of the study

Providing effective training about the new system for the employees the banking major task in the core system implementation process. researchers started by gathering related data from the employees, summarized and briefly presented by using tables.

Table 1: Employees' response about the training in general

14	Questions		Yes	No		No Id	ea
Item		No.	%	No.	%	No.	%
1	Do you think the bank is committed to provide sufficient training for the employees?	27	67.5	9	22.5	4	10
2	Have you got any training about the new system (T 24)?	38	95	2	5		

Source: Primary Data

Item one of the above table shows that 27(67.5%) of respondents replied they think bank is committed provide sufficient training the to the employees, 9(22.5%) of them said No for it and the remaining 4(10%) of them idea whether the bank is committed to provide sufficient training or had not.

Item two of the above table depict whether the respondents took training on the new core banking system (T 24) implemented in the bank. As illustrated above, 38(95%) of the respondents took the training and the remaining 2(5%) didn't. This indicates that almost all senior staffs of the bank are trained of the new system and minimizes the confusion of employees while performing their tasks.

Table 2: Employees' Response about the Training Qualities

Item	Qualities of the training	Ver	Very High		High		Neutral		Low		Low
Item	Quantiles of the training	No.	%	No.	%	No.	%	No.	%	No.	%
1	Attractiveness	7	18.42	14	36.84	11	28.95	6	15.79	ı	-
2	Simplicity	2	5.26	23	60.53	9	23.68	3	7.89	1	2.63
3	understandability	3	8.11	22	59.46	11	29.73	1	2.7	-	-
4	Efficiency	4	10.53	13	34.21	18	47.37	3	7.89	-	-
5	Timely	5	13.16	17	44.74	12	31.58	4	10.53	-	-
6	Trainers' competency	5	13.16	20	52.63	12	31.58	1	2.63	-	-

Source: Primary Data

The above table summarizes the responses of the employees towards the qualities of the training on the new system (T 24). As indicated in item one, 7(18.42%) majority of 14(36.84%) & respondents rate the attractiveness of the with high and very high status respectively. This implies training was well prepared and the trainers presented it with eye-catching features.

23(60.53%) Item two evaluates the simplicity of the training in which respondents believe the training was with high status of simplicity. This implies the new system is recently introduced to our country and came complicated features, the bank and the trainers were present the training with simple way of techniques.

Item three describes the understandability of the training in which 22(59.46%), the of respondents rate it with high majority status and the training highly understandable way. This may help presented in the trainees to catch the basic concept of the training.

illustrates majority of respondents, 18(47.37%) Item four that the the were neutral towards the efficiency of the training. On the other hand 13(34.21%) of believe that the training was highly efficient. These relatively close responses imply that the efficiency of the training was in question.

As indicated in the fifth item, the majority of respondents, 17(44.74%) of them believe the training was delivered on the very true time. This implies that since the training was timely delivered, the employees could memorize what they have learned when they get back to their duties.

The portrays that majority of respondents, sixth 20(52.63%) observe that trainers were highly competent and committed for their duties during the training session. Moreover, as the bank used its employees provide the for other employees, it could minimize cost which has been the paid for other training providing companies.

Furthermore, when the respondents questioned whether additional training is required if new features are added in to the system, 22(56.41%) & 15(38.46%) of majority of respondents mentioned that they strongly agree & agree with the necessity of consecutive trainings in the future.

Table 3: Employees' response about the new system

Item	Question	Y	es	1	No	No	Idea
	Question	No.	%	No.	%	No.	%
1	Is there developed and implemented core banking system in CBB now?	38	95	-	-	2	5

Source: Primary Data

As it is indicated in the above table, item 1, majority of respondents, 38(95%) of them replied that there is developed and implemented core banking system in CBB. This implies that the employees in the three major departments and the main branch are familiar with the new system and aware of its implementation.

Table 4: Employees' response about the new systems' compatibility

		Respo	onses in
Item	Questions	No.	%
1	Do you believe that the system is compatible with the current condition of the bank than other core banking systems?		
	Response options		
	Yes, it is compatible with the bank	21	53.85
	No, the bank failed to choose the compatible one	3	7.69
	I am not aware of other core banking systems	11	28.21
	I have no idea	4	10.26

Source: Primary Data

above table illustrates the employees' response towards the compatibility of the new system with the current condition of the bank. As indicated above, majority of respondents which marks 21(53.85%) said yes for its compatibility. 3(7.69%) of respondents consider the bank failed contrast, to choose the compatible core banking system. On the other hand, 11(28.21%) & (10.26%)respondents emphasize other that they are not aware of core banking idea about the The the and have no issue. given responses and implied majorities' option that the bank has chosen the right core banking solution which fits with its current condition.

Table 5: Employees' response about the old system

Itom	Question	Ye	es		No	No	Idea
Item	Question	No.	%	No.	%	No.	%
1	Is there any computerized banking system before the current implemented core banking system in your department/branch?	38	95	1	2.50	1	2.50

Source: Primary Data

As depicted in the above table the respondents have been asked whether a computerized banking system existed before the implementation of the new system (T24). The majority of respondents from three departments and the

main branch, 38(95%) of them, replied that there was a computerized system before T 24 has implemented in the department and branch they are working.

The given data implied that the departments and the branch have using locally networked computerized system before the new system has implemented. Furthermore, the old system makes the data migration process very easy and contributed a lot to the employees to be easily familiar with the new system (T24).

Table 6: Employees' response about the termination of the old system

		Respo	onses in
Item	Question	No.	%
1	Does the old system still working in your department or branch?		
	Response options		
	My department is still using the old system	2	5.13
	It works parallel with the new system	17	43.59
	No, it's completely terminated	20	51.28

Source: Primary Data

above table whether the old system is still working As illustrated in the their departments or branch, majority of respondents, 20(51.28%) of replied that the old system has completely terminated in their departments. replied contrast, among 17(43.59%) respondents, who the old system is working parallel with the new system, 10(58.82%) respondents were from the main branch. This implies that the old system is still working parallel with system in the main branch. Related with this, the under depicted table illustrates the reason why the old system is partially working.

Table 7: Employees' response about the reason why the old system is still in use

		Respo	nses in
Item	Questions	No.	%
1	Why the old system is still in use in your department/branch?		
	Response options		
	The old system works parallel to the current system and planned to	4	26.67
	gradually shifted to the current system		
	The new system is not capable in some tasks	11	73.33
	The old system is more suitable for my department	-	-

Source: Primary Data

indicated table, 11(73.33%) respondents mentioned in the above of reason of the old system is still in use as the new system is not capable in In addition, 4(26.67%) respondents tasks. of emphasize the plan of some gradual shift from the old system to the new one. By inferring the replay of respondents in the related open ended question, all respondents from branch specify the reason as the old system is needed for communicating with branches offline for telegraphic transfer transactions only. Additionally, some respondents mentioned old system that they are using the for reference purposes in order to acquire certain information. Therefore, it is expected the old system will be terminated after all offline branches get connected.

Table 8: Employees' response towards Inter branch transactions and settlement issues

Item	Item Question		ongly gree	Ag	ree	Disag	gree	Stro	ngly gree
		No.	%	No.	%	No.	%	No.	%
1	How do you agree that the new system facilitate inter-branch transactions and settlement issues in the easiest way?	17	42.5	20	50	2	5	1	2.5

Source: Primary Data

As illustrated in the above table, majority of respondents, 17(42.5%) & 20(50%) of them normally and strongly agree with the option the new system could facilitate inter branch transactions and settlement issues in the easiest way.

This indicates that the new system helps to achieve one of the bank's objective by making the working environment moderate and eliminate the traditional way of settlement of accounts between branches. Since the old system was only locally networked, department branch couldn't other one or access departments' or branches' account that makes the settlement and process bulky and took a long process.

Table 9: Employees' response relating with the reporting process

		Respon	nses in
Item	Questions	No.	%
1	Does the new system improve the reporting process of your department/branch?		
	Response options		
	Yes, it improves very well	19	47.5
	No, the reporting process remains the same	4	10
	The new system complicated the reporting process	11	27.5
	I have no idea	6	15

Source: Primary Data

As indicated in the above table, the respondents asked whether the new system improves the reporting process in their department or branch and majority of respondents, 19(47.5%) of them replied yes for the given question. In contrast, 4(10%) of them believed that the reporting process remains the same and they change. On the other didn't observe any hand, 11(27.5%) respondents think complicated the reporting that the new system process. The gathered data indicates that there are sorts of weakness on the reporting process of the new system.

Table 10: Employees' response towards the efficiency of the new system

		Respo	nses in
Item	Questions	No.	%
1	Is the implemented core banking system efficient for the performance of CBB's banking operations?		
	Response options		
	Efficient with no limitation	4	10
	Efficient with some limitation	36	90

Source: Primary Data

depicted in the above table, the employees' response towards the efficiency of the system for the performance of the bank's operations presented. new 40 36(90%) Among respondents, majority of respondents replied that the sufficient with some limitations. This implies that system is there is an agreement between almost all employees that the system has some weakness specified following table summarizes major limitations areas. The the the new system faced.

Table 11: Employees' response on the limitations of the new system

		Responses in		
Item	Questions	No.	%	
1	What is the specific limitation of the new system?			
	Response options			
	Posting transactions	4	8.89	
	Report enquiries	17	37.78	
	Printing options	9	20	
	Security issues	7	15.56	
	All have limitations	8	17.78	

Source: Primary Data

indicated table, the respondents mentioned specific As in the above the limitation & respondents discuss of the new system some more than limitation. 17(37.78%) of respondents, which In this regard, are the majority, mentioned that the new system gets some problems related with reporting facilities. The next 9(20%) replied that there is a limitation related with the printing 7(15.56%) mentioned the limitation related options, with security issues in the system. Less number of respondents 4(8.89%) address the

limitation in posting transactions. Beside these, 8(17.78%) of respondents mentioned that the system has all limitations.

Table ^ 12: Employees' response on the benefits of the new system

		Respor	nses in
Item	Questions	No.	%
1	What benefits does the bank have attained as a result of applying core banking system?		
	Response options		
	Time saving	12	20.34
	Cost reduction	1	1.69
	Customer satisfaction	11	18.64
	Competitive advantage	8	13.56
	All are benefits	27	45.76

Source: Primary Data

The above table summarizes the employees response towards the bank's system implementation. As indicated benefit due to the new above, 27(45.76%) respondents mentioned that the bank attained all benefits offered choice. 12(20.34%) specifically address the benefit of time saving on bank side. 11(18.64%) particularly benefit of them focus on the of customer satisfaction 8(13.56%) of respondents states that the bank attained the (1.69%)competitive advantage. respondent mentioned reduction One the cost benefit for the case.

Table ^ 13: Employees' response towards network problem & system Interruption

		Y	es	N	0	Som	etimes	Alv	vays	No	Idea
Item	Questions	No.	%	No.	%	No.	%	No.	%	No.	%
1	Is there a system interruption or										
	network error during working										
	times?	38	95	2	5						
2	How often it occurs?					35	89.74	2	5.13	2	5.13
3	Is there any responsible	35	87.5	4	10					1	2.5
	department or body which										
	gives a solution for the problem										
	occurred in the system?										

Source: Primary Data

As depicted in the above table, item one, respondents from three departments and a main branch were asked whether system interruption or network error

exists during working times & majority of respondents, 38(95%) them of responded yes for the request. Related with this, as indicated in the above item two, they responded how often the system interruption and table, network error occurs. So that, 35(89.74%) of respondents stated that occurs sometimes & 2(5.13%) of them mentioned the problem occurs always. On the other side, 2(5.1 3%) of respondents have no idea about the issue.

summarizes Item three the response of respondents whether there а responsible department which accountable for the problems occurred and gives the necessary solution. Majority, 35(95%) respondents, responded the request & the remaining 4(10%) said No and 1(2.5%) proclaim have no idea Depending response, clear about the issue. on the it is that there responsible body with in the bank that stands to solve problems related with the network problem and system interruption. In connection with this table summarizes respondents satisfied solution following how are with the given by the concerning body.

Table 14: Employees' response about the solution maker

		Responses i	
Item	Questions	No.	%
1	How does it respond to give a solution _ for the problems occur?		
	Response options		
	Very late to respond	3	8.33
	Late to respond	8	22.22
	On time response	24	66.67
	I have no idea	1	2.78
2	How often are you satisfied with the solution given by the		
	concerning department?		
	Response options		
	Always	9	23.68
	Sometimes	26	68.42
	Not satisfied all times	3	7.89

majority respondents, As the above table, item two indicates, of one and 24(66.67%) of them believed the solution making body time that gives on problem with system interruption response for the occurs related and network

In connection with this 26(68.42%) & 9(23.68%) of respondents replied error. are that they sometimes and always satisfied with the solution given by the concerning body respectively. On the other side, 8(22.22%) of respondents disagree with the option that states there is on time response and they believe there is late response by the concerning body so that 3(7.89%) of respondents are not satisfied all times.

Table 15: Employees' response towards the new system's performance

		Resp	onses
		i	n
Item	Questions	No.	%
1	Do you think that the current system is more efficient & effective than		
1	the previous system in general?		
	Response options		
	Yes	33	82.5
	No	1	2.5
	I cant compare	6	15
2	Does the current implemented system helpful for good performance?		
	Response options		
	Yes it is	21	52.5
	Yes, without some limitation	18	45
	No, it is not helpful	1	2.5

Source: Primary Data

The above table summarizes the responses of respondents that requests whether the current system is more efficient and effective than the old system 33(82.5%) of respondents said yes for it. In contrast, 1(2.5%) respondent and The remaining 6(15%) respondents stands contrary. proclaim that they couldn't compare the two systems. Next to item one, item two requests whether current system is helpful for the good performance of the bank and respondents definitely 18(45%) 21(52.5%) of said yes for it and them preferred to say yes with some limitation.

Table 16: Employees' response towards working procedures and manuals

		Respo	nses in
Item	Questions	No.	%
1	Are there working procedures and manuals in your		
1	department/branch?		
	Response options		
	Yes	34	85
	No	3	7.5
	I don't know	3	7.5
2	Can you get and refer it?		
	Response options		
	Yes I can	31	91.18
	No I can't	3	8.82
3	If no, why don't you get & refer it		
	Response options		
	It is bulky and hard to understand		
	I have no idea where it is	3	100
	It is locked in box		

Source: Primary Data

As illustrated in the above table, the respondents requested whether there procedures and manuals in their department branch. Then, majority of or respondents 34(85%) replied yes & 3(7.5%) said no for it. On the other hand, 3(7.5%) respondents have no idea about the issue. If we take the majority into consideration, it can be said that there are working procedures and manuals in the major departments and main branch of the bank.

In connection with this, Item two requests the respondents whether the existed procedures and manuals available reference So are to purposes. that, 31(91.18%) of respondents proclaim that they can get the procedures and refer 3(8.82%) replied they couldn't. As item three indicates, all it. In contrast, only respondents 3(100%), who couldn't get & refer the procedures & manuals, describe the reason as they didn't have the clue of where it is.

Table 17: Employees' response about the procedures & manuals of the new system

		Responses in		
Item	Questions	No.	%	
1	Is there any manual or procedure related with the current core banking system?			
	Response options			
	Yes	24	60	
	No	8	20	
	I don't know anything about it	8	20	
2	Does it contain clear and understandable guide to use the current system?			
	Response options			
	Yes	22	88	
	No	2	8	
	I have no idea	1	4	
3	I there is no procedure, do you think there is some confusion because of it?			
	Response options			
	Yes, there is some confusion	1	16.67	
	No, there is no confusion	1	16.67	
	I have no idea	1	66.67	

Source: Primary Data

The above table illustrates whether there are procedures and manuals related

with the new system in the main branch and major departments of the bank. Therefore, as indicated in item one, 24(60%) majority of respondents replied yes for the request. In contrast, 8(20%) of respondents said No for it & the remaining 8(20%) have no idea about the issue. In connection with this, out of 24 respondents, 22(88%) of them believe that the procedure & manuals have clear and understandable guide to use the new system. On the other hand, out of 8 respondents, who said there no procedure and manual in there are department, 1(16.67%) believe that there is some confusion because of It.

Table 18: Employees' response towards the new systems' functionality

		Respo	onses in
Item	Questions	No.	%
1	Is the new system (T24) easy to use than the old system (SMART)?		
	Response options		
	Yes it is	16	45.71
	SMART is easy	13	37.14
	Both are easy	6	17.14
2	Have you any doubt on the current system that there is a possibility of breaking your password by another user?		
	Response options		
	Yes I doubt	13	32.5
	No, I don't have any doubt	14	35
	I have no idea	13	32.5
3	If you are connecting directly with customers, does it make you to serve the customers better?		
	Response options		
	Yes it makes me better	23	69.70
	No change on the service I give	9	27.27
	I have no idea	1	3.03
4	Have you take sufficient access in the system that makes your job simple and fast?		
	Response options		
	Yes I have sufficient access	25	62.5
	I take more access than I need		
	I need more access	13	32.5
	I have no idea	2	5

Source: Primary Data

As indicated in the above table respondents gave their opinions system's functionalities. Firstly, depicted in item new as one, are requested whether the current system is easy to use than the old system 16(45.71%), majority of respondents replied that the new system is easy to than the old system in contrary with the 13(37.14%) respondents who said the reverse. On the other side. the remaining 6(17.14%) respondents that both systems are easy to use.

The request in item two concerned about the security issue of the new system for which 14(35%) respondents express their opinion that they didn't have any doubt on the possibility of breaking their passwords by another user.

In contrast, 13(32.5%) of respondents have a doubt on the issue. On the other side, 13(32.5%) of them replied that they don't have any idea whether their account could be accessed by another user. This implies that there is a need the possibility of deceitful acts towards breaking eliminating passwords of users and other security issues and providing for the employees training for they can protect themselves from getting trouble as well.

Item three focuses on the serviceability of the new system which about the changes on the service after the new system is implemented. In connection with this, 23(69.7%) respondents believe that the new system improves the service they are giving in contrary with 9(27.27%) who believe the service they are giving remains the same.

employees Item four discuss whether the have sufficient access new system which enables them to provide fast & efficient service for the customers. regard, 11(62.5%) of respondents stated that they have sufficient access contrary with 13(32.5%) system in respondents who proclaim in the new need more access. This indicates that there is a need of revising users access and facilitating the easy of conducting operations.

3.3. DATA PRESENTATION, ANALYSIS & INTERPRETATION OF DATA COLLECTED FROM CUSTOMERS OF THE BANK

3.3.1. Characteristics of the study population/customers

needs the researcher In any research, to assess the relevance of its respondents with respect to the data needed to be obtained for making certain findings. Accordingly the collected following researchers the data about sex, Educational qualifications and customary relationship with the bank.

3.3.1.1. Sex distribution of respondents

The sex distributions of selected customers are presented as follows:

Table 19: customer's sex distribution

Gender	Frequency	Percentage
Male	21	34
Female	42	66
Total	63	100

Source: primary Data

As indicated in the above table, majority, 42(66%) of respondents were female and 21(34%) were male. This implies that there are large numbers of female customers in Abunepetros branch and there is a demand of gender based banking services.

3.3.1.2. Educational qualification of respondents/customers

Educational qualification of customers has a great impact over the bank's initiative to come up with modern banking services like Internet and Mobile banking. In this regard, the educational qualification of customers is presented below.

Table 20: Educational Qualification of customers

Level of Qualification	Frequency	Percentage
Note educated	-	-
Elementary level	-	-
High school level	6	9.52
Certificate	6	9.52
Diploma	21	33.34
First degree & above	30	47.62
Total	63	100

Source: Primary Data

As depicted above, majority of respondents, 30(47.62%) of them are First degree holders and above and the next majority are diploma holders who rates 21(33.34%). The rest of respondents are in the certificate and high school level.

This implies that the customers are in the level of competency which enables them to run up with the banks' technological changes. So that the bank wouldn't face significant challenge if it plan to come up with latest banking services with a little effort of equipping its customers.

Table 21: Customer's relationship with the bank

T4	O. without	Respo	onses In
Item	Questions	No.	%
1	For how long have you a customary relationship with the bank?		
	Response Options		
	Less than a year	21	33.33
	1 up to 5 years	33	52.38
	above 5 years	9	14.29
	Total	63	100
2	How do you select CBB from other competitive banks?		
	Response Options		
	Because its government owned	6	9.52
	Because of its accessibility	27	42.86
	Because of its better service	24	38.10
	Other reason	6	9.52
	Total	63	100
3	What kind of service are you taking from the bank?		
	Response Options		
	Saving or current account	42	66.67
	Foreign currency exchange service	12	19.05
	Loan or trade service		
	Money transfer service	9	14.29
	Total	63	100

Source: Primary Data

above table, the customer's relationship with illustrated in the the bank analyzed and presented. In the first place, the request in item one presents the customary relationship customer's years of with bank. this the In majority, 33(52.38%) of respondents proclaim that they have one to five years of customary relationship with the bank. Customers with a relationship of less than year rates 21(33.33%) and 9(14.29%) of respondents have been customers for more than five years.

Based on the gathered data, majority of customers are in the earliest stage of customary relationship with the bank so that the bank should be committed to sustain its relationship by satisfying existing customers and attracting the new.

are choosing the Item two requests how the customers bank among other competitive banks. this regard, majority, 27(42.86%) of In proclaim that they are attracted by the bank's accessibility. The next majority, 24(38.10%) of respondents believe that they preferred the bank by hand, 6(9.52%) service. On the other respondents replied that they government ownership. While inferring the bank because of its this, the bank should improve its strength which helps to stay in a highly competitive banking industry.

As indicated in Item three, customers were requested what kind of service they bank. In this regard, among the selected 63 respondents, are taking from the 42(66.67%) & of them are saving or current account holders 12(19.05%) respondents proclaim taking foreign currency exchange that they are Beside this, 9(14.29%) of respondents stated that they are local money transfer service customers.

Table 22: Customers' response towards the new system

Item	Ou antique.	Respon	ises In
item	Questions	No.	%
1	How much do you know about core banking technology?		
	Response options		
	Very much	ı	-
	Sufficiently	18	28.57
	A little bit	24	38.10
	Nothing	21	33.33
	Total	63	100
2	Do you believe that it is the right time to implement core banking technology in the bank?		
	Response options		
	Yes, it is the right time	24	40
	Very lately done	18	30
	I have no idea	18	30
	Total	60	100
3	How are you satisfied by the service of the bank after core banking implementation?		
	Response options		
	Highly satisfied	18	33.33
	Satisfied	33	61.11
	Dissatisfied	3	5.56
	Total	54	100

Source: Primary Data

As illustrated in the above table, item one, respondents were requested much they know about the core banking technology and 24 (38.10%), majority bit about it. Beside this, 21(33.33%) of them replied that they know a little respondents know nothing about the core banking technology. In this regard, there is a need of introducing the new system with various advertisement techniques to familiarize the customers with the benefits of the new system.

Item two contains the response related with the time of the core banking implementation for which 24(40%) of respondents proclaim that it's the right time to implement. In contrast, 18(30%) of them replied that the implementation was very lately done. On the other hand, 18(30%) respondents

stated that they have no idea about the issue. Inferring the relatively close responses, it can be said that the time of implementation is in question.

As three indicates, respondents were requested how much they are satisfied with the service of the bank after core banking implementation normally satisfied &18(33.33%) 33(61.11%) of them proclaim they are highly satisfied. In this regard, we can infer that there is stated that they are within branch an improvement of service the after the new system has implemented.

Table 23: Customers' response towards Inter branch transactions

<u>.</u> .	O met ma	Responses In		
Item	Questions	No.	%	
1	How do you rate the importance of accessing an account from any branch of the bank?			
	Response options			
	Very important	33	52.38	
	Important	27	42.86	
	Neutral	3	4.76	
	Not important	-	-	
	Total	63	100	
2	For how many times did you access your account from other branch?			
	Response options			
	I didn't access it ever	24	42.11	
	Sometimes	27	47.37	
	Always	6	10.53	
	Total	57	100	

Source: Primary Data

The above table presents the customers' response related with inter branch

transactions and indicates, 33(52.385) of respondents believe that as item one account from another branch is very important. Beside accessing an this, respondents preferred to say it is normally important. Yet 27(42.86%) of its question, indicates, 24(42.11%) importance doesn't get in as item two of respondents didn't their another account from branch and only access 27(47.37%) of customers used this privilege sometimes. On the other hand,

6(10.53%) respondents proclaim that they are always using inter branch transactions.

Table 24: Customers' response towards network problems & system

Interruptions

Item	Quantinus.	Respo	nses In
item	Questions		%
1	How often temporary network problem exist in the branch?		
	Response options		
	Every day	8	17.39
	At least once in two days	8	17.39
	Sometimes	30	65.22
	Total	46	100
2	What do you do when you can't withdraw from your account due to temporary network problem existed in the branch?		
	Response options		
	I try to withdraw from nearby branch	40	74.07
	I postpone my withdrawal plan until the problem is resolved	10	18.52
	Other	4	7.41
	Total	54	100

Source: Primary Data

As the above table indicates, respondents requested about their were observations towards network problem and system interruption on the new of respondents system and 30(65.22%) stated that there is network problem sometimes in the branch. Beside this, 8(17.39%) of them replied that there is temporary network problem at least once in two days. By inferring the gathered data, almost all respondents agreed that there is temporary network problem in the branch that its frequency depends on the respondents' observation.

Item two requests the respondents' reaction while there is temporary network problem that prevents to withdraw from an account. Related with this, 40(74.07%) of majority of respondents preferred to withdraw from other nearby Others. 10(18.52%) respondents proclaim that they prefer postpone the withdrawal until the problem gets resolved. This indicates, the bank offers and introduces other solution while network problem exist.

Table 25: Customer's response towards customer service of the bank

Item	Questions	Responses In	
		No.	%
1	Is there any delay while providing service in the branch?		
	Response options		
	There is no delay	12	21.05
	Always delay	6	10.53
	Sometimes delay	30	52.63
	I don't know	9	15.79
	Total	57	100
2	If there is any delay sometimes or always, what is the reason in your opinion?		
	Response options		
	Network problem	30	47.62
	Employees incompetency	6	9.52
	Customer's crowed	3	4.76
	Power interruption	12	19.05
	All are causes	12	19.05
	Total	63	100
3	Is there one window service with in the bank in which all services are available at a place?		
	Response options		
	Definitely yes	21	41.18
	Sometimes not	24	47.06
	Always not	6	11.76
	Total	51	100
4	How do you rate the employee's commitment on their job?		
	Response options		
	Very well	24	53.33
	Well	21	46.67
	Total	45	100

Source: Primary Data

As indicated in the above table, item one, respondents were requested whether

there is a work delay in the branch and 30(52.63%) replied that there is a delay sometimes working this, 6(10.53%) respondents in the process. Beside is proclaim that there always delay in the working process. In contrast, 12(21.05%) respondents didn't observe delay in the working of any process. Relating with this, as depicted in item two, respondents' observation towards the reason of delay in the working process stated. In this regard, 30(47.62%) of respondents observe that the delay is due to the network problem while

12(19.05%) respondents believe it is due to power interruption and others, 6(9.52%) proclaim it is because of the employees incompetency. Less rated respondents, 3(4.76%) believed that the delay in the working process is due to customer's crowed in the branch.

Item three contains the responses of customers concerning one window service in the branch and 24(47.06%) proclaim that sometimes they are not getting one window service in the branch in contrast with those 21(41.18%), who preferred to say definitely yes for they are getting one window service.

Finally, as the above table, item four indicates, customers were requested about the employees' commitment and 24 (53.33%)of them found the employees commitment with very well status. Others, 21(46.67%) preferred to the employees commitment is grade well status. This refers in the encouraging condition that they have to keep it up.

CHAPTER FOUR

SUMMARY, CONCLUSIONS & RECOMMENDATIONS

As it is stated in chapter one, the objective of this study was assessing the effectiveness of the core banking technology implementation in construction and business bank. So that, primary data through questionnaires were gathered from employees and customers of the bank and analyzed, interpreted and presented in the previous chapter. This chapter, therefore, presents the summary, conclusions & recommendations of the major findings.

4.1. SUMMARY OF THE MAJOR FINDINGS

Based on the analysis made in the previous chapter, the following major findings are summarized.

- The bank owns relatively qualified employees in its major departments and the main branch, which enables to accomplish its objectives related with providing modern banking services to its customers.
- Majority of employees have got sufficient training about the new core banking system which refers the bank's encouraging effort to equip its employees. Beside this, the training was effective as the bank used its own employees to deliver the training with minimum cost. Furthermore, the employees need unceasing training while there are upcoming modern banking technologies.
- Majority of employees stated that the bank choose the right core banking solution which fits with its current condition.
- There was locally networked computerized software named SMART in all departments and it's still in use until all branches are networked. Beside this, the departments are using the old system for reference purposes.
- Now Branches and departments can make inter branch transactions which facilitates automatic settlement of accounts so that customers become customers of the bank rather than a single branch. Automatic

settlement of accounts enables the customers to access their account from any branch which gets online. This minimizes the work load of a single branch and has substantial reduction of tasks in the customer account and transactions department (CAT).

- Majority of employee respondents stated that the new system improves the reporting process of their departments. This is because of all financial data are kept centrally and easily accessed by concerned body.
- Comparing with the old system, the new system has limitation on report formats which the employees observe it doesn't contain clear and understandable details. In this regard, the researchers observe that the bank is on the way of implementing special report module which is expected to improve the reporting process as well.
- Relating with the benefits of the new system, employees mentioned, time saving, cost reduction, customer's satisfaction and competitive advantage.
- Concerning with network problems and system interruptions, majority of employee respondents stated that sometimes there are network problems and system interruptions in the system and the solution is given by the concerning body on time.
- Procedures and manuals related with the new system have prepared and accessed by the employees whenever they need. The procedures and manuals contains clear and practical guide for using the new system that eliminates the confusions and misunderstandings.
- Concerning with the simplicity of the new system comparing with the old one, majority of respondents replied that the new system is easy to use.
- Relating with the security issue, majority of respondents didn't have any doubt on the possibility of breaking their passwords by another user.

 But, others have a doubt on the issue.
- Majority of respondents stated that they have sufficient access in the system which enables them to perform their duties in the easiest way.

- The new system (T 24) helps the credit department by facilitating online follow up of loan accounts and their respective customers' profile. Beside this, tasks previously performed by branches like Loan account creation, Loan disbursements and related loan reports are now handled centrally by credit experts that allow standardizing the overall credit operations.
- As the information collected from the trade service department, the new system (T 24) facilitates easy communication with correspondent banks through SWIFT messages as it is directly linked with the SWIFT alliance. Moreover, it facilitates easy way of exchanging required documents from branch to the concerned Trade service department through electronic data transferring medium.
- The new system facilitates online auditing that helps to eliminate error and adjust the error on the same date.
- As the data collected from respondent customers implied, majority of respondents have a little awareness about the new core banking technology and its various functionalities.
- Majority of respondent customers are satisfied with the service they are taking after core banking technology has implemented.
- Majority of respondent customers found very important to access an account from any branch of the bank which minimizes the cost and time.
- Majority of respondent customers observe that there are network problem and system interruption on the system sometimes and it causes delay on the service they are taking. And if the system gets temporary offline, they used to access their account at nearby branch of the bank.
- Regarding with the employees commitment, respondent customers found the employees commitment with very well and encouraging condition.
- Modern banking services like ATM, Mobile & Internet banking are expected by customers in nearby future.

4.2. CONCLUSIONS

By considering the summary of findings, the researchers made the following conclusions:

- Selecting the best core banking solution which fits with the current & future conditions of the bank was the primary task in the core banking implementation process. In this regard, the bank has implemented a latest core banking solution named T 24 which is provided by worldly competent, leading banking software company, TEMENOS. Based on the findings we conclude that the bank choose the best core banking solution which is compatible with its current & future conditions and enables the bank to achieve its goals and stay competent in the banking industry.
- Providing adequate training about the new system to the end users was the next essential step in the core banking implementation process. In this regard, based on the findings, we conclude that the bank was committed to provide training to all of the employees with a minimum cost.
- By inferring the findings, we conclude that the new system has came up with the following critical facilities which changed the working environment of the bank:
- Centralized accounting, all transactions of the bank directly affect the general ledger and profit & loss account. This provides a real time total picture about the financial position & situation of the bank. Beside this, online settlement of accounts and centralized cheque clearance functions are supported by the new system.
- Centralized customer account management, this assumes customers as customer of the bank rather than of a branch and enables customers to access their account from any branch they need. Beside this, any

department or branch can access and use a customer's detail profile at no cost.

- Centralized reporting, this helps the bank to get quick report for decision making and enhance its operational effective efficiency. Furthermore, it reduces manual preparation tasks in report branches and departments of the bank.
- Based on the findings, we conclude that the major threat of the new system is temporary network problem which occurs sometimes. This problem has different impact on different branches as it is based on location. Beside this, problems which can be solved by the bank gets immediate solution by the concerning body.
- Concerning with the procedures and manuals, we conclude that the bank has clear and accessible procedures and manuals for essential operations and this helps to reduce the confusions and mistakes which could be occurred due to lack of clear guidance.
- Most of the customers have a little awareness about the new system but they are satisfied with the service they are taking after the new system has implemented in the branch and they sometimes access their account from other branch. Beside this, they expect the bank to provide modern banking services like ATM, Mobile & Internet banking in short future.

4.3. RECOMMENDATIONS

- The software company (TEMENOS) provides latest versions of systems so that the bank should update its system in order to be benefited from the new features added to the latest versions.
- The bank should own competent and qualified employees in order to accomplish its goals and objectives so that the bank needs to offer free local and international scholarships for the employees.

- As indicated in the findings, more customers didn't know a lot about core banking and its functions so that the bank should advertise the product through different Medias.
- Customers are expecting modern E-banking services like ATM, Mobile and Internet banking services so that the bank should come up with those facilities as soon as possible.



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