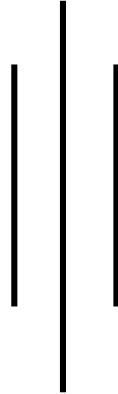


**A STUDY ON
BEHAVIOUR AND AWARENESS OF
INVESTORS IN NEPALESE STOCK MARKET**



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PREFACE

Economic growth of any country largely depends on the strength of its stock market. Stock market is one of the main bodies of national economy so development of stock market is very important for development of national economy. In Nepal the stock market is recent phenomenon. It is therefore possible for few individuals' success to manipulate share price and earn more and more profit from the stock market. Beside these investors are also not sufficiently conscious enough to safeguard their fundamental investment right and their other power to get timely information from companies. Similarly due to the lack of proper knowledge about stock transaction investors are facing various troubles for trading shares.

This study has attempt to shed light on various aspects of stock market. This research work attempted due to the help of many individuals and institutions.

Firstly, I would like to express my gratitude to my thesis supervisor Mr. Lalan Dwibedi and Mr. Rajeshwar Prasad Acharya head of the research department Thakur Ram Multiple Campus, Birgunj, providing me proper guideline and valuable suggestions for its preparation. I am thankful towards staff of SEBO/N for providing me necessary information for preparation of my thesis.

I would like to thank Mr. Pradip Timalina for providing me help to collect the necessary data. Similarly, Mr. Amit Mishra, Mr. Sumit Mishra and Mr. Mandip Timalina helped me to prepare this thesis by providing technical and intellectual support and encouragement.

I am indebted to the various reputed authors in the subject whose writings are a constant and continuous source of stimulation and have provided me the necessary guidance and valuable materials for the enrichment of this research in all possible ways.

Finally, I hope this work could be useful for future research in this field. I retain all responsibility for any errors committed in this work.

September, 2008

Manish Kumar Timalina

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DECLARATION

I hereby declare that this Dissertation entitled “A study on Behaviour and Awareness of Investors in Nepalese Stock Market” submitted to Tribhvan University, Faculty of Management office of the dean, is my original work done in the form of partial fulfillment of the requirements for the Master Degree in Business Studies (MBS) under the supervision of Mr. Lalan Dwibedi, Lecturer of Thakur Ram Multiple Campus and Head of Research Department Mr. Rajeshwar Prasad Acharya, Thakur Ram Multiple Campus, Birgunj, Parsa.

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RECOMMENDATION

This is to certify that the Dissertation

Submitted by

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**A STUDY ON BEHAVIOUR AND AWARENESS OF INVESTORS
IN NEPALESE STOCK MARKET**

*Has been prepared as approved by this department on the prescribed format
of faculty of Management. This dissertation is forwarded for examination.*

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VIVA-VOCE SHEET

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A STUDY ON BEHAVIOUR AND AWARENESS OF INVESTORS
IN NEPALESE STOCK MARKET

*And found the Dissertation to be the original work of the student and
written according to the prescribed format. We recommended*

The Dissertation to be accepted as partial fulfillment

Of the requirement for

Master's Degree in Business Studies (MBS)

Viva-Voce Committee

Chairperson & Head of Research Department

Member (Thesis Supervisor)

Member (External Expert)

Date.....

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ACRONYMS

AGM	Annual General Meeting
AMEX	American Stock Exchange
CAPM	Capital Asset Pricing Model
CV	Coefficient of Variation
DPS	Dividend per Share
EPS	Earning per Share
F/Y	Fiscal Year
HBL	Himalayan Bank Ltd
HMG	His Majesty's Government
KFC	Kathmandu Finance Ltd
MBS	Master's Degree in Business Studies
MPS	Market Price per Share
NBL	NABIL Bank Ltd
NIB	Nepal Investment Bank
NIDC	Nepal Industrial Development corporation
NSML	Nepal Share Market finance Ltd
NEPSE	Nepal Stock Exchange
NYSE	New York Stock Exchange
P/E ratio	Price Earning Ratio
SEC	Securities Exchange Center
SML	Security Market Line
SEBO/N	Securities Board of Nepal
SD	Standard Deviation
SCB	Standard Chartered Bank
T.U.	Tribhuvan University
UFL	United Finance Ltd
Var.	Variance

CHAPTER-I

INTRODUCTION

1.1 General Background of the Study

In a simple word investment means to invest money to earn interest or to bring profit. Investment in its broadest sense means scarifies of current dollars for future dollars. It is a commitment of money and other resources that are expected to generate additional money and resources in future. Two different attributes are generally involved: time and risk. The sacrifice takes place in the present and is certain. The reward comes later, if at all, and the magnitude is generally uncertain.

Investors are those people who invest their money in the capital markets for the future earnings. An investor performs his investment function very consciously. He uses to follow a set of procedure before making any investment. He includes the formulation of investment objective, construct ion of a portfolio, revision of portfolio and evaluation of the performance of the portfolio.

According to investor attitude, they set their own investment policy e.g. Some investors invest risky assets or some investors invest risk less assets. The investor use to examine each and every individual security which is previously identified. Investors can apply the two kinds of methods to examine security, one is technical analysis and another is fundamental analysis. Technical analysis involves the study of stocks market price in an endeavor to future price movement. Fundamental analysis endeavors to forecast the timing and size of then cash flow and then convert in to present value. After analyzing securities investors construct portfolio, which involves the identification of assets and weight of investment assets in each one. After this investor wants to make another portfolio; they remove existing security and added new security. And at last investor evaluate

portfolio performance. If return is higher then that portfolio will better and vice versa.

In the context of Nepal many investor doesn't aware about the financial security. The investor has nor proper knowledge about the financial security and analyses tools. Few of the investor who has proper knowledge about finance and financial analysis, they only use the above mention process while they want to take decision to invest in financial security. For having a better study of the topic we need to have knowledge of various investors individually.

Generally there are three types of investors in the capital market. They are:

1. Risk averter
2. Risk seeker and
3. Risk neutral

Risk averters are that investor who does not like any risk. Risk seekers are those who prefer riskier investment and risk neutral are those who want to invest on securities but do not concern about the risk. The investors having quality of risk averter, risk seeker and risk neutral are the nature of the investors that depends upon the investor's perception. The investor's perception plays a vital role on the investment at the capital market.

Stock market plays a very important role in the developing countries economy. As well all know that Nepal is a capital deficit economy need a huge amount of investable money in productive sector for the rapid economic development. So the financial market becomes the important sector for the fostering the different productive activities in the economy.

The financial market consists of the money market and capital market. The trading of stocks takes place in the stock market. Nepalese stock market is very small as compares to other countries. Further Nepalese capital market is highly concentrated on the financial sector. Banking, non-banking, finance and insurance company occupy 90% of total market capitalization

of the market. Stock market is an institution, area and process where stocks and other securities are bought and sold continuously. Principally stock market that is the secondary market for quoted securities where primary market refers to the market in which newly created securities are sold by open offer. The trading of shares of stocks takes place in the stock market on one hand it directly provides liquidity to the investors who provides fund for the establishment of the production enterprises and on the other hand it encourage the savers to save more and more enterprising economic units to starts the productive ventures.

The major function of stock market is to provide steady and continuous market for purchase and sale of securities at a competitive price by importing marketability and liquidity. It is also a medium through which scattered savings and scare resources are transferred into productive areas that ultimately help to the economic development and industrialization of the country. The basic function of the stock market are to provide the allocate capital fund to the organization with profitable investment opportunities and to offer and avenue of liquidity for individuals to invest current income or borrow against future income and there by achieve their preferred time pattern of consumption. Because of investing involves uncertainty, capital market provides a means for transferring risk among the parties to these transaction. The stock market and economic activities move into similar direction. In the Nepalese economy the demand for and supply of money for investment in productive enterprises is low due to the absence of mechanism for transferring risk which in turn may be attributed to the absence of well developed stock market.

There are many parties involved in the transaction of securities in the securities market. Investors are one of the main parties among them from whom the corporation acquires the fund. Investors are those people who invest their savings in the securities to take the risk and return. On the

investment in other properties, investors cannot get dual benefits as from the investments in stocks. The investors get capital as well as dividend from investing in the stocks. There is only one securities market to liquidate the stocks in Nepal, which is NEPSE. So investors are keys to the success of securities market for the development of the economy. There are many factors that should be considered while taking investment decision in the Stock market.

Some of these are the book value of the stock, risk and return trade off, company's future prospects, government rules and regulations, the direction of Nepal Rastra Bank. But because of the poor corporate governance and lack of timely information the investors depend upon some available experts for the analysis of the stocks price. Beside the individuals investors dominate the market whose speculative behavior make the price fluctuate. This makes the potential investors depends on the whim and rumor in stock trading. So this research study will try to evaluate the investor's consciousness and the ways to be more effectively aware regarding the stock exchange.

1.1.1 Development of Stock Market in Nepal

The Concept of stock Market in Nepal is very new. It is in infancy stage through it begun with the flotation of shares by Nepal Bank Limited and Biratnagar Jute Mill in 1937 under the company act 1936. At that time, the participation on the ownership structure of the corporate sector was restricted mostly to the Rana family. Consequently the expansion of the capital market to the desire level had been restricted. No significant attempts had been made in fourth five years plan to reform the capital market. The establishment of securities exchange center (SEC) in 1976 was the first and most important attempt made by the government to develop the stock market. Initially the SEC limited its functions for trading the

government bonds and national saving certificates only. Then it acted as an issue manager for corporate securities and started to list and provided market for the corporate stocks from fiscal year 1984/85 under the securities exchange act 1983. Thus the SEC served to promote the primary as well as secondary market for the government and corporate securities from fiscal year 1984/85. Although the growth of stock market in the national economy is still very low due to the negligible size of the corporate sector.

The incorporation of the securities board Nepal (SEBON) under the securities exchange act, 1983 and conversion of the SEC into the Nepal stock exchange (NEPSE) under the government policy in capital market reforms has greatly contributed to the development of primary as well as secondary market for the corporate securities were observed immediately after the incorporation of the SEBON and NEPSE for one year only. This has positive and immediate impact on the primary market. But after a year again downward trend in the primary as well as secondary market is observed and this phenomenon has been continuing still now.

1.1.2 Milestones in Development of Nepalese Stock Market

1937- Floatation of shares by Biratnagar Jute Mills & Nepal Bank Limited.

1964- Introduction of Company act.

1964- First issuance of Government Bond

1976- Establishment of Securities Exchange Limited

1983- Securities Exchange Act enacted for the first time

1984- Securities Exchange Act became effective

1992- First amendment to the Securities Exchange Act

1993- Publication of Securities Exchange regulation establishment of Securities Board of Nepal conversion of Securities Exchange center into Nepal Stock Exchange Limited (NEPSE)

1994- NEPSE opened its trading floor in 13th January, directives issued for allotment of Securities.

1995- First amendment in the Securities Exchange regulations guidelines for registration and issue approval of securities.

1997- Second amendment to Securities Exchange Act Securities Investment Trust Act.

1998- Second amendment to Securities Exchange Regulation Securities Board discloses strategic plan for five years.

1.2 Focus of the Study

Investors are those people who invest their saving by buying securities for future benefits. Thus the role of the investors can be understood as a backbone of capital market. Similarly stock market is an important constituent of capital market. So both the investors and stock market is the life-blood of business and dynamic part of economy as well.

Without focusing their current set up, we could not justify this research. Hence this research is mainly focused on the current security trade system in NEPSE. Beside it this research is also focused on investor's awareness towards the trade and transaction system of stock in NEPSE.

1.3 Statement of the Problem

One serious weakness facing Nepal's stock market is the low participation of investors in securities transaction. Majority of the investor's participation in the exchange is from Kathmandu valley. Since there is only one stock exchange in the country and it is located in the capital, and there is no another alternatives available, participation of the investors from outside the valley is very low. In the present trading system (centralized open out cry trading system) all brokers should gather in the trading floor of the Nepal Stock Exchange (NEPSE) to affect the deal. No electronic system has been developed yet that could help the investors to participate in the transaction electronically from different parts of the nation. It is not only a problem of

implementation: the existing Acts are silent on the electronic trading system. What is being followed now here is a system borrowed from Sri Lanka. But though electronic trading system and central securities depository system have been already introduced in Sri Lanka, Nepal is still following the same old system.

In Nepal, the stock price and liquidity in the stock market increased sharply immediately after the introduction of modern (open-out cry) system of trading and conversion of the SEC in to the NEPSE. This attracted the general public to invest their saving in the stock which cause the price rise and the more liquidity in the secondary market left positive and immediate impact on the capital mobilization in the economy. However this upward movement and the liquidity in the secondary market did not remain for long. Among highly over-valued stocks, price of some stocks reached to peak level while price of some stocks which were in profit could not increase.

Investors are not found to be active and sufficiently conscious enough to safeguard their fundamental investment rights and their other powers to get timely information from companies. Investors do not analyze market information. The only speculative behavior of the investor regarding the future stock prices led to set the stock price in the market. Thus the lack value judgment to determine the stock price is the serious problem of the Nepalese stock market. While the government under its development plan and regulatory authority like securities exchange board are trying their best to look after the interest of shareholders, through a package of reforms to respond to the complaint of the shareholders, the basic underlying fact continues to remain the same. Share holders are still ignored and their interest are diluted and diversified by taking the matter other way around in number of instances. They are not given sufficient opportunities to participate in the mainstream of national development. Their represent does

not exist in the concerned institution like capital market, various Committees of Central Bank, SEBON, NEPSE, and various development committees of the state parliament and national planning commission.

After the above general statement of the problems some research problems are presented as follows:

1. There is lack of variety of securities available in the stock market, which discourages the investors to invest.
2. There is lack of transparency in the period of stock exchange.
3. Because of influence from external environmental factors, investors are not investing much on the stock market.
4. The sufficient and timely information relevant to the listed companies stock has not been regularly informed to the general public. So the securities investment is not so satisfactory popular to the general public in Nepal.
5. Yet there is no any consulting firm regarding capital market from where investors get proper information.
6. Some of the companies have issued artificial and misleading information while issuing the shares in the primary market.
7. There is not available of the risk and return components and level in the Nepal stock exchange centre.
8. There is not available of inquiry section in the stock exchange centre for the new investors.

Similarly, the study is also expected to answer the following research questions:

1. What are the reasons of investment of money in shares by investors?
2. Which is the most preferable sector of investment?

3. What are the factors affecting mostly, Market Price of the Shares and Return on Common Stock?
4. Which indicator is used as performance measure of a company?
5. From which source are the information provided?
6. What is the response of public on increasing market price of the stocks?
7. What is the attitude of the management toward the public?
8. What is the response of public toward the current work performance of stock market in Nepal?
9. What are the suggestions for improvement to be done to protect public interest in Stock Market in Nepal?
10. How the various natures of risks are accessed on the stock investment?

1.4 Objective of the Study

The main objective of the study is to find out the major factor influence the investors investment decision-making regarding security trading. Besides it also aims to find out whether the investors are aware or not in the stock market.

The main objective of the study is as follows:

1. To understand the stock transaction system in Nepalese stock market at present.
2. To examine whether the investors are fully aware or not in the share trading system.
3. To analyze and evaluate the risk and return of common stock of selected companies.

4. To give suggestion and recommendation to the concern person and office.

1.5 Significance of the Study

There are various economic institution ploughed in the poverty alleviation program in Nepal such as capital market, banks, financial companies and institutions in private sector; NGO, INGO and various other interested national and international institutions. Among all capital market is one of the important sources for the economic development, untimely its potential investors is the biggest asset. Hence this study targets to explore the investors awareness in the securities market in Nepal and how far it leads to growth of stock market. This study is conducted to provide some information about the present level of investor's awareness in the Nepalese securities market. It focuses on the impact of present existing situation faced by the general investors while making investment decision. This study will also be helpful for other researchers to the concerned fields to some extent.

1.6 Limitation of the Study

Any types of research work have certain limitation. So this research study will also carry some of the following limitations:

1. This study concern only on common stock trading on the primary and secondary market. The research is based on the investors of listed companies in NEPSE.
2. The study is based on the published data of only eight different companies listed under NEPSE.
3. This study is done for the partial fulfillment of the requirement for the degree of master in business studies.

1.7 Organization of the Study

This study has been organized into five chapters viz. Introduction, Literature review, Research Methodology, Data Presentation, Interpretation and Analysis and summary conclusion and recommendation.

Chapter I: Introduction

Introduction is the first chapter where subject matter is introduced, the problem is defined, and objectives, limitations and organization of the study have been presented.

Chapter II: Review of Literature

This is the second chapter which deals with conceptual framework of the study. The related studies, books, journals and unpublished theses have been reviewed that have been supporting view and coherence with the present study.

Chapter III: Research Methodology

The third chapter, Research Methodology explains all the methods of collection and analysis of data. It comprises research design, population and sample, data collection procedure and methods of analysis and presentation.

Chapter IV: Presentation and Analysis of Data

Chapter four is the main body of the study that includes data presentation, interpretation and analysis. The chapter analysis the primary data collected from individual investors to adjudge their awareness on different aspects of the stock market. The secondary data are analyzed in terms of risk and return, risk diversification and portfolio construction.

Chapter V: Summary, Conclusion and Recommendation

In the last chapter the statement of all four preceding chapters has been summarized and the study is concluded with major findings. The suggestion with the package of recommendation to improve efficiency of the investors and stock market has been presented.

A bibliography and appendices are enclosed at the end of the study.

CHAPTER-II

REVIEW OF LITERATURE

The term literature refers the books, magazines, articles, which are previously collected, prepared and utilized by the researchers. And review means analyzing and observing those collected information. Hence literature review means evaluation of previous findings through which researcher can get the required information for his research work. Literature review begins with the selection of the subject matter of research and it will be continued until the preparation of research report. Actually the success and failure of the research depends upon it.

Literature review is a process to discover what other research in the area of our problem has uncovered. It is also a way to avoid investing problems that have already been definitely unanswered (Panta, 2002, p-34).

The review is done on the topic **A STUDY ON BEHAVIOUR AND AWARENESS OF INVESTORS IN NEPALESE STOCK MARKET**. Review of literature is conducted separately through review of article, books, journals, dissertations, company prospectus etc.

2.1 Need of literature review

The main purpose of literature review is to find out what research studies have been conducted in one's chosen field of study and what remain to be done. Literature review enables the researcher to know:

1. Research study done in the past in the related field of study.
2. What others have written about the related topic?
3. Results, theories and findings obtained in the related researches.
4. Approaches taken by the other researchers.

5. Gaps that can be filled through the proposed research.

Similarly there are others significant importance of literature review:

1. It provides the idea about the most important variables to be considered
2. It helps to avoid unintentional replication of previous studies.
3. It gives the idea about the most important variables to be considered.
4. It helps to determine the methodology for research work.
5. It helps to describe about the arena and scope of study.

2.2 Conceptual Review

The success of every investment decision matters more than the investment itself. “Making sound investment decision requires both knowledge and skill. Skill is needed to evaluate risk and return associated with investment decision knowledge is regarding the complex investment alternatives available in the economic environment”.

Investment should be based on information lack of this result in disaster. For the knowledge, the investment process can be financially rewarding and exciting. Investor should select most suitable alternatives among various alternatives. Thus conscious investor should consider some factor in choosing among investment alternatives.

2.2.1 Introduction

Over time, stocks have proved to be good long-term investments. Bonds, while providing lower than stocks, are less risky. Often, the best investment for an individual is some combination of stocks and bonds that provides good returns at acceptable risks.

Stocks and bonds are basic financing building blocks, which help meet the financial needs of companies, governments, and investors. Business requires capital (money) to grow, and without capital from outside investors, a company's growth potential is limited. Corporate business sells stocks and bonds to raise money.

Government agencies can also raise money for operations and improvements by selling bonds. Stock exchange is the heartbeat of much of the corporate, governmental and public financial activity in the world today. Stocks and bonds are bought and sold in these open markets under careful regulation, which protects companies, governmental agencies and individuals alike. Such markets are essential in raising financial capital for our economy.

Investors buy stocks and bonds with the intentions of getting back their entire investment and making a profit. This booklet presents basic information about these familiar financing building blocks and discusses the pertinent issues about investing in stocks and bonds.

2.2.2 Understanding Stocks

Selling shares of stock to investors is a practical way for corporations to obtain long-term funding for projects such as financing a new factory or designing and testing a new product. Buying stock allows individual investors to participate in the growth of country and foreign corporations and to benefit by sharing in a company's profits.

Corporations sell fractions of the company's ownership to investors for which investors pay cash. The investors who purchase ownership of the company have their names and ownership record in the corporation's stock book. A company's investors, who have purchased pieces of company ownership, share in company profits from the receipt of cash dividends or by the increase in the value of stock. The investor's ownership is known as "share". The investors are called "shareholder". They may also receive stock certificates showing the number of shares owned.

Money from stock sales is known as "equity" financing. Equity differs from debt financing because money from stock sales represents long-term financing which the company does not have to repay. The company benefits by not having to repay money it receives from the sales of stock and

investors benefits by participating in the growth of the company and sharing in its profits for as long as they own the stock.

2.2.3 Stocks as an option

Corporations sell two different kinds of stocks, which provide investors with significantly different benefits. The word "common" is used to describe the more widely recognized stocks. "Preferred" stocks are not as widely known. Both raise money for the corporation, and both are considered "equity" financing. Their differences are found in the "rights" each provides to the investors.

2.2.4 Common Stock

Common stocks stand for the pieces of ownership in a company ("shares") which give the investors legal rights. Common stockholder:

1. **Receive Dividends:** the Corporation's board of directors may vote to share all or a portion of company profits with its shareholders in proportion to the number of shares each owns. Dividends are not paid if the company is not profitable or if the board of directors decides to pay for expansion with the profits. Corporations are not legally required to pay dividends on common stock.
2. **Share in Growth and Increased Value:** Stock is ownership of the company. Stock ownership allows investors to share in the increased value of the company if it is successful. Likewise, if the company performs poorly, the value of an investor's shares is likely to drop. Investors expect their largest rewards from appreciation in the price of their stock, but there is no guarantee that the value of the stock will always increase.
3. **Transfer Ownership:** Common shareholders are able to freely sell or give their stock to others unless they own stock in "private" companies, which may resale restrictions. Ownership of investor's shares is easily transferred in the corporation's stock book.

4. **Right to Information:** Common shareholders are entitled to receive annual reports, which provide important financial and management information pertaining to the company's operations.
5. **Right to Vote:** Common shareholders have the right to vote at shareholder's meeting in person or absentee using a proxy (an instruction on how a vote is to be cast).
6. **Junior in Rank:** Dividends are paid to common shareholders after interest is first paid on all debts and dividends are paid to preferred shareholders. If the company is liquidated creditors, bondholders, and preferred shareholders all must be paid before any remaining money is distributed to common shareholders.

There are stocks in many different U.S. and foreign corporations and all common stocks generally share these six attributes. However, investors should still insure that these attributes are present before buying any stock.

2.2.5 Preferred Stock

Investors may want regular payment of dividends and better safety of principle than

Common stock provides. Some corporations sell "preferred stock" to give investors more predictable dividend returns and more stable prices of their shares. Preferred stock ownership rights include:

1. **Priority on Dividends:** Preferred shareholders receive their dividends after interest on debt, but before dividends are paid to common shareholders. In liquidation, creditors are paid first, then preferred shareholders are paid and common shareholders are paid last.
2. **Fixed Dividend:** Preferred stock dividends are generally paid at a fixed rate similar to interest on a bond or a certificate of deposit. Although the rate is fixed, preferred dividends may be decreased or omitted at the discretion of the company's board of directors (unlikely interest on bonds). If profits are insufficient to pay both preferred and

common dividends, the dividends will be paid to preferred shareholders before common shareholders receive anything.

3. **Cumulative Dividends:** Should the directors not pay the full dividend, the omitted dividends are recorded and must be made up before any common stock dividend may be paid.
4. **No Voting Rights:** Since preferred shareholders are shown preference on dividends, most companies do not allow preferred shareholders to vote at shareholder meetings. In rare circumstances, preferred shareholders may be allowed to vote after dividends have not been paid for a period of time.
5. **Participates in Growth and Increased Value:** Preferred stock grows in value as the value of the company increases; however, preferred stock has a more modest price appreciation potential than common stock.
6. **Ability to Transfer:** Preferred shareholders may freely sell or give their stock to others. This assumes, of course, that a buyer for the stock can be found. The ownership of the shares is easily transferred in the corporation's stock book.
7. **Right to information:** Preferred shareholders receive annual reports providing information about the company's financial and management performance for the prior year.

2.2.6 Buyer of Stocks

Stock ownership is very widespread among a variety of investors including individuals, Corporations, institutional investors (such as banks, insurance companies), mutual funds, and securities broker dealer firms.

2.2.7 Reason of Buying Stocks

Investors buy stocks as building blocks used in creating their financial portfolio. Stock offers investors the opportunity for their money to grow at the same rate as the company. Ownership of the stock in several companies

provides an investors the opportunity for their money to grow at the same rate as the economy, which is made up of many companies. Therefore, owning stocks protects investors from the loss of purchasing power due to inflation. As prices rise due to inflation, company assets and revenues appreciate and investors' stock prices rise too. Unlike stocks, savings accounts and bonds return only a fixed amount and may not provide protection from inflation.

Stock prices do not always go up. Investors must be aware that stocks can go down in price if companies are not profitable. Successful investors invest in stock as long_ term investments. Over many years, gaining in the value of the stock usually make up for short-term price declines.

Stocks may also benefit investors by paying "stock dividends". Occasionally, companies may desire to promote their stock while conserving company capital. In such cases, a company's directors may give shareholders additional shares instead of cash dividends. The new shares have value, but the company's stock price usually falls slightly to adjust for the greater number of shares that will participate in the company's profits.

Investors occasionally receive stock splits. Stock splits reflect substantial growth in a company's stock price. In a split, the outstanding shares of a company are divided into more shares. A 2 for 1 split of one hundred shares presently owned results in two hundred shares being owned after the split. Investors hold twice as many shares, and the price of each share is "split" to half its former price. Stock splits are used in a rising market to reduce the stock price down to an amount investors perceive as reasonable. Investors hope for a stock split, which reflects strong growth by the company.

2.2.8 Reason of Fluctuation of the Stocks Price

Chiefly, stock price reflects how profitable a company is. If a company loses money over a period of several months, the stock price will likely to fall. If a company is successful and has sustained earnings, the company's

stockholders share in more money so the stock price rises to reflect greater investor returns:

Earnings are influenced by a variety of factors. These may be grouped into three categories.

1. **Company Related:** Market share, product position and potential, management, and cost of operation influence individual company earnings. An example is Chrysler, the automobile manufacturer. Its stock price declined sharply due to poor car sales and poor earnings. Subsequently, stock prices recovered due to better management, improved products and sales and better earnings.
2. **Industry Wide:** Foreign competition, technology, consumer perceptions, and price of raw material can influence earnings and stock prices of all companies within an industry. A good example is airline fare wars during which lower fares on all flights mean lower earnings for all companies in the airline industry. Stock prices for all airlines may fall as profits are squeezed.
3. **Market Wide:** Wars, high rates of inflation, monetary exchange rate fluctuations, and the national debt may influence prices of stocks in markets around the world. An example of stock price fluctuations in the market as a whole were seen in 1994 as unprecedented increases in interest rates caused stock prices in all industries to fluctuate.

Successful investors pay very close attention to the underlying factors of a company's profitability. They buy stocks, which have strong "fundamentals" such as a large market share for well-known products, sound management and strong history of corporate earnings.

2.2.9 Place of Stock Trade

Most investors buy stocks through financial middlemen. Stock markets rely heavily on individual investors, so every effort is made to provide an easy, safe means for investors to buy stocks.

2.2.10 Brokers-Dealers Firms

Investors generally purchase stocks from securities broker-dealer firms, which buy and sell stocks for investors. When investors place an order to buy or sell stocks, the broker-dealer accepts their money and "fills" the customer's order from stock held in inventory

or the broker may go to a securities exchange to "fill" the customer's order. Broker-dealer charge a fee, called a commission, for buying and selling stock for investors. Commissions usually amount to a small percentage of the stock value purchased or sold. Since commissions are charged both for buying and for selling stocks, investors are generally better off holding their stock and not selling frequently. Unless stock prices appreciate very quickly, commission may offset any profits made over a short period of time.

2.2.11 Security Exchanges

Investors rely on the ability to buy and sell stocks easily and quickly. Securities exchanges, like the Nepal Stock Exchange (NEPSE), New York Stock Exchange (NYSE), The American Stock Exchange (AMEX) etc provides places where buyers and sellers of stocks get together to make trades. There are dozens of stock exchanges located in major cities around the world.

Exchanges maintain "liquidity" in the stocks they trade. Liquidity is the ability to sell when investors desire without wide price fluctuations. Exchanges help standardize prices of stocks throughout the world. Many safeguards are imposed by exchanges to prevent fraud.

2.2.12 Dividend Reinvestment Plans

Many Companies offer their shareholders the ability to reinvest their cash dividends in additional shares of stock. This is an easy way for investors to accumulate more stock. Dividend earnings are credited to shareholders, but

at the shareholder's option, the money may be used to purchase more shares directly from the company. Purchasing stock through a dividend reinvestment plan does not involve a securities broker dealer. The dividend is reinvested in company stock without payment of a commission. Some dividend reinvestment plans charge a fee for selling shares held in the plan. Dividend reinvestment plans may allow an investor to purchase additional stock directly from the company. No commission is charged for purchasing additional shares; however, purchases can generally be made only during certain periods.

2.2.13 Sources of Information

Successful investors research information about stocks before buying. Once they buy stocks, they review their stocks' performance regularly. Stock guides and quotations provide timely information.

2.2.14 Stock Guides

Stock guide provides financial information about the company, information about the company's business and the industry it serves. Guides may provide dividend information, current earnings and names of officers and directors, and high and low stock prices over the preceding weeks. Some stock guides rank or classify stocks giving investors an indication of earnings and dividend growth and stability.

Stock guides are available at many libraries, from broker dealer firms, and now through on-line computer services. Investors should never purchase stock without first reading what the stock guides have to say about a company's stock.

2.2.15 Quotations

Newspapers, television cable channels and computer on-line services all provides timely information about stock prices. Unlike stock guides which provide lots of information on a weekly or monthly basis, quotations

contain essential information on a timelier basis usually listing the highest and lowest prices over the past weeks; the dividends amount; the number of shares traded; and the high, low and closing price for the day.

2.2.16 Selection of Stock

There is no single stock that is best. Depending upon a person's needs, there are stocks, which meet those needs and others, which would be entirely inappropriate.

2.2.17 Growth Stocks

Stocks whose prices are expected to appreciate are called growth stocks. These are usually modestly capitalized companies, which do not pay dividends because they are using profits to fund expansion. Investors look closely at the profit potential and earnings performance of growth stocks since earnings determine how much and how fast the stock price may grow, if at all.

2.2.18 Income Stocks

Income stocks are stocks, which pay dividends on a regular basis. These are usually well-established companies with substantial earnings. The stock prices of these "cash cows" usually move slowly over longer time periods. Investors watch company earnings closely since dividends are paid out of profits, and declining earnings may force the company to reduce its dividend.

2.2.19 Blue Chips Stocks

These are stocks in top tier companies, which are very well capitalized. Thousands of shares in blue chip companies trade every day. Their stock prices tend to be stable and do not usually present the opportunity for rapid or dramatic price appreciation. While not all blue chip stocks pay high dividends, most pay regular dividends.

2.2.20 Small-Cap Stocks

These are stocks in companies which are modestly capitalized, but which are not yet top tier companies. Investment in small-cap stocks often involves higher risk to the investor than purchasing blue chip stocks because small-cap stock prices are generally more volatile. Not all small-cap stocks have the earnings potential for rapid or dramatic price appreciation. Most do not pay dividends.

2.2.21 Penny Stocks

This is a category of stocks having a price of less than five dollars per share often trading only on computer “bulletin boards” or in publications referred to as “pink sheets”. The term is often used to describe low priced stocks, which are of dubious quality. Limited financial information, if any is available, often reflects losses instead of earnings; lack of hard assets like cash and equipment; and lack of operations all make penny stocks very risky and truly speculative rather than predictable investments.

2.2.22 Factors to be considered before Investing in Securities

Investors who want to invest their money in the stock first go to the exchange market. They invest their money by seeing prospectus of concern company and others public notice which are published by the company. While investment policies needed to be formed the investor needs to consider many factors to be consider in the investment planning decision.

Investing is all about making money by investing in the stock market rationally. If the investors are not well informed about the share of the company which he is buying or is not prepared by analyzing the company’s both current and future prospects then he will hurt himself by investing in the share of that company. “Investing without first learning all you can about an opportunity is like running through an unfamiliar room with your

eyes closed.” Says Dina Ohman, Wyoming’s secretary of state, “You’re going to hurt yourself. People do not have to see the securities as only an alternative way to invest their money in.” more than anything else, no one has anything to hang their hats on.” What reason do they have to buy stocks?” The following things are basis for the investment to meet the criteria of stability and strength. Let’s review the typical investments considered by most. The following are the criteria investors will apply to each investment choice:

1. Security of principal
2. Liquidity
3. stability of income
4. Strength (leverage)
5. Information
6. Cash flow
7. Mobility
8. Limited management requirements

2.2.23 How to make a good investment in the stock market

Investing in securities is like investing in a business. The objective is to get a good return. This could be either to get a regular income by way of dividends or to get a profit by way of capital appreciation of the securities or both.

An investor who is interested in getting regular dividends from the company must look at the company’s dividend policy carefully. Where a company has not stated their dividend policy they could make an assessment of this by analyzing the companies past dividend record and its pattern of payment. There are several ratios that may be used in investment analysis. Most commonly used ratios are as follows:

Calculating the dividend yield on the basis of the last annual dividend can give an investors an idea of what the percentage return he could expect by way of dividend (Dividend yield = Dividend per share/ Market price of a share x 100). The dividend cover is a guide to the company's financial background indicating the total dividends covered with respect to available earnings (Dividend cover = Profit/Dividends). Dividend payout ratio is also useful to ascertain whether the company is retaining sufficient funds for future development and growth. A high ratio indicates that a shareholder is receiving a large part of the earnings that the company is not retaining much by way of reserves. This may mean that a shareholder can not expect much by way of capital appreciation.

(Dividend payout ratio = Dividend per share/Earning per share x 100).

The earning per share (EPS = Profit of the company/ Total number of securities issued) may be calculated for the last five years and should ideally show an upward trend (or an overall trend that is continuing to rise). An increase in earning should ideally be accompanied by an increase in dividend when analyzed over a period of five years. The price earnings ratio indicates the expectation about the future of the company. It is a measure of investor confidence. Higher the PE ratio, the more popular the share.

(PE ratio = Market price per share/ Earning per share).

2.2.24 Aware of risks

All investors must be aware of the risks attached to investing in securities. The securities of a company could fluctuate in value due to the business risks as well as financial risks.

Business risk may arise from fluctuation of profits due to changes in demand (new and better products coming into the market, competitors increasing its strength, the overall economic activities) or supply (new methods of production, varying costs of labor or raw materials).

Financial risks can be measured by the return to shareholders and the probability of the company having to go into liquidation brought about by the inefficient use of borrowed funds or by borrowing more than what the company could service. The higher the proportion of borrowed funds, the higher the capital gearing. This gearing ratio (gearing ratio = borrowed funds / total funds) must be considered along with the current ratio (current ratio = current assets / current liability). If this is also high then the risk is greater.

If the company has not made profits, the directors will not be able to declare a dividend.

An investor may minimize the risks by making a fully informed decision. He could obtain the advice of his broker or else he could make a decision himself by reading the annual reports of the company carefully and in addition considering the following factors: economic factors of the country and future trends, performance of the industry, quality of the company's management, reputation of the board of directors, company's current trading position, strengths and weaknesses of the company and the business risks involved. An investor must not be guided by rumors.

To minimize risk, he may invest in securities of several companies, preferably operating in different industries. Investors should invest in securities only after having considered all of the above factors. By investing in securities traded on the stock market there is a possibility of getting a higher return by way of dividends and/or capital appreciation. Therefore to increase your income, trading in securities on the stock exchange may be advantageous.

2.2.25 Instructions for Buying Stocks

1. Buy stocks from local broker-dealer. Be very careful if you cannot find a current quotation for the stock listed in the journal.

2. Be prepared for the price of the stock to fluctuate up and down. Do not buy stock if you cannot risk loss of any money.
3. Remember the rule of thumb, which states, “when interest rates are high, stock prices die, and when interest rates are low, stock prices grow!”
4. Keep in mind that investors demand higher returns from stocks when taking on higher risks. If you are told of a stock with a high profit potential, realize the stock probably carries a higher than normal amount of risk.
5. Consider the source of “hot stock tips.” What may be a promising stock for one person may be too risky for another. Once you hear of the stock tip, chances are that everyone else has heard the same information.
6. Understanding a stock’s risks before buying allows the investor to say, “No, I’ll pass up buying this one.” Buying stocks before their risks are known is like paying for a car you have never seen.
7. Research a stock’s earnings, dividend history, and price range in a stock guide to determine whether the stock meets your investment needs.
8. Make sure there is an active trading market where the stock may be easily sold.
9. Buy stock with the idea of holding it for the long term. If its price appreciates rapidly, so much the better, but most stocks benefits investors over the long term.
10. Do not take on too much risk when buying stock. Invest wisely and be able to sleep well at night.

(<http://saswy.state.wy.us/security/investor/stock/stocks.htm>)

2.3 A Review of Major Studies

2.3.1 Review of Articles and Journals

The various international and national article and journals related with this topic have been reviewed in this section.

“If a man loses his money in the stock market it is almost always because of his greed, stupidity or gullibility. It is certainly never the fault of the exchange, and it is very rarely the fault of his broker” (Palat, 1991).

Ning Zhu in his article “The Local Bias of Individual Investors” investigates individual investors’ bias towards nearby companies. “Various measurements show that individual investors exhibit significant bias towards the companies that are close to their residences. Our sample individuals exhibit a stronger home bias than the mutual fund managers in Coval and Moskowitz (1999). Investors’ holding foreign securities exhibit significantly weaker local bias than those not holding foreign securities, suggesting that international home bias and domestic home bias is correlated. Unlike institutional investors’ choices, individual investors’ local bias is less related to advantageous information. Investors with stronger local bias do not outperform those with weaker local bias. Information such as accounting number has less impact on the individual investors’ local bias than on that of institutional investors. Instead, individual investors’ local bias is negatively related to the advertising intensity of companies. These findings cast doubts on the hypothesis that advantageous information drives individual investors’ local bias. Instead, they support that investors tend to invest in companies with which they are familiar even though such familiarity isn’t particularly helpful to their equity investment. Behavioral theory on decision heuristics and the mechanism of advertising can explain part of puzzle.

Evidence from investors’ response to earnings announcement over additional support to the behavioral hypotheses. Local investors cannot

predict earnings surprises better than remote investors, which contradict the advantageous information explanation. Rather, local investors are more responsive than remote investors to the same earnings surprises after earnings announcement. Investors' overreaction to information on local companies can, in part, explain their tendency to invest locally. Results in this study show that investor behavior varies significantly across investor classes, which motivates future research on the impact of investor clientele upon asset prices (Barberis, Shleifer and Wurgler, 2002). It is also important to examine whether investors respond directly to the same information under other circumstances and to incorporate such phenomena into future theoretical frameworks" (Zhu, 2002).

Tuomo Vuolteenaho, attempted to know what drives the firm level of stock return? He used a vector auto regressive model (VAR) to decompose an individual firm's stock return into two components: change in cash flow expectation (i.e. cash flow news) and change in discount rates (i.e. expected return news). From the research it was found that "The VAR yields three main results. First firm level stock returns are mainly driven by cash flow news. For a typical stock, the variance of cash flow news is more than twice than have expected return news. Second, stocks to expected returns and cash flows are positively correlated across firms, while cash flow news can largely be diversified away in aggregate portfolio" (vuolteenaho, 2002) .

In securities market, the feedback is often slow and noisy. There may even be a trade off between speed and clarity of feedback where by short term traders get quicker, but noisier, feedback, and long term traders receive a clearer feedback but must wait for it. This paper looks at what happen in financial market when people are confidence and concluded that overconfidence is costly to society. Overconfidence traders do not share risk optimally, they expand too many resources on information acquisition and they trade too much. These are dead weight losses. Overconfidence

increases trading volume and market depth, but decreases the expected utility of overconfident traders. An overconfidence trader increases volatility, though overconfidence market makers may dampen it. Price taking traders, who are overconfidence about their ability to interpret when there, are many overconfident traders, market, and trend to under respect to the information of rational traders. Under- reacts to abstract, statistical and highly relevant information and overreacts to salient, but less relevant information. Like those who populate them, markets are predictable in their biases (Odean, 1998).

Jonathan B. Berk, Richard C. Green and Naik Vasant in “Optimal Investment Growth Options and Security Return” say “As a consequence of optimal investment choices, a firm’s assets and growth options change in predictable ways. Using a dynamic model, we show that this imparts predictability to change in a firm’s systematic risk and its expected return. Simulations show that the model simultaneously reproduces (a) the time series relation book to market ratio and assets return, (b) the cross sectional relation between book-to- market, market value and return, (c) contrarians effects at short horizons, (d) momentum effects at longer horizons and (e) the inverse relation between interest and market risk premium” (Berk, Richard and Vasant, 1999).

M. Angeles de Frutos and Caroline manzano ‘Risk aversion, Transparency and market performance’, concluded that “using a model of market making with inventories based on Biais (1993), we find that investors obtain more favorable execution prices, and they hence invest more, when markets are fragmented. In our model, risk averse dealer use less aggressive price strategies in more transparent markets (centralized) because quote dissemination alleviates uncertainty about the prices quoted by other dealers and hence reduces the need to complete aggressively for other flow. Further, we show that the move toward greater transparency (centralization)

may have determinable effects on liquidity and welfare” (Angles and Manzano, 2002).

“These days the interest of investors is gradually fading away. Investors have been discouraged with the shares market running at a snail’s pace. There is no room for satisfaction for investors. Although the country has adopted liberal market policies to revive the economy, it has been applied into concrete actions in Nepalese context. Brokers have been reporting since long about from government. The government has been able to regulate the companies, and the corporate culture is also not being developed among companies, brokers observed” (Shaky, 1997).

Another article written by Pradhan in the topic: The efficient market hypothesis and the behavior of shares prices in Nepal. “The current market price of share in Nepal is useful to make buy and sell decision, to predict future average return, and to predict future prices. The main factor affecting share price as perceived by the respondents are dividends, retained earnings, bonus shares and right issue. The share prices have been found more volatile than expected dividends. Similarly, publicly available information is useful in identifying over or undervalued securities. Nepalese investors are not really indifferent towards makings or non makings of information public.” Management review” (Pradhan, 2004).

“The regulators should think of understanding significant measures for upgrading the quality and contents of disclosure standards that helps in promoting the capital market in the country. Efforts should be made for encouraging the listed companies to comply with legal provisions such as submitting the financial reports timely, conducting the annual general meeting timely, making access to price sensitive information in the prospectus, need for having good corporate governance and ensure compliance of the listing guidelines and securities market regulation” (Shrestha, 2005).

“Being a single stock exchange market, NEPSE must focus on how to bring in-house reform, to educate investors and regulate and supervise its own members. NEPSE should facilitate to strength the governance of the listed companies, to help enhance public awareness about opportunities and benefits from listing. To educate people on the role of capital market in the economy together with importance of long term saving and stock market for this, NEPSE can develop at least, a medium to long term plan on the concept of subsidiary/ join venture participation with educational institutes, newspaper, journals, radio, television etc. to motivate and educates people on capital market through audio and visual media can be effectively used for the success of stock market. Similarly it is the main responsibility of NEPSE to organize regular training, seminars, workshop, and interaction programs for its employee, brokers’ market makers, investors and listed companies on various issues like investment principle, governance ethical guidelines, code of conduct etc” (Paudel, 2005).

“These evidences of the study would question the efficiency of Nepal stock exchange; however they are not necessarily embarrassments. This may be also due to market imperfections. The index used for this study encompasses companies, which trade during that particular day from the period (February 1, 1995 to January 31, 2004). Such a small sample period may mislead the findings of the study. In addition the effects of Maoist insurgency lasting for nine years that caused politically uncertainty and lack of confidence among the investors should be undertaken not only to conform the results of the present study but also to investigate microstructure and operational procedure of Nepal stock exchange. Another fruitful area of research is to investigate whether reported anomalies are valid for individual shares or not. Further whether a trading strategy based on these “seasonality’s” is profitable out of transaction costs or not should also be investigated” (K.C. and Joshi, 2004).

2.3.2 Review of Previous Dissertation

Thesis titled “Current Status and Problems of Stock Market in Nepal” submitted by Rekha Pant, concluded that investor’s confidence in Nepal stock market relatively low because of the stock market volatility, low return on investment inadequate information, lack of financial markets instruments and investors knowing about the risk of stock market investment. Pant used only five years data starting from 1992/93 to 1996/97. She focused her study mainly on the secondary sources of data (Pant, 2000).

Thesis entitled “Public Response to Primary Issue of Share in Nepal” submitted by Laxman Pandey was objectively conducted to analyze the pattern of public response to shares and concluded that public response is high due to lack of opportunities for investment in other fields. Despite this, public are attracted towards shares then other sectors, basically to increase their value of investment, dividend, capital gain or bonus share. Due to delay in allotment, refund of money delivery of certificate and listening of shares in the stock exchange, people are starting to lose confidence. Some companies have not been listed even after the prescribed time period. For example Oriental hotel limited has not been listed even after 8 months of having closed its issue. He also found that the dynamism of the stock market has been greatly reduced by the domination of the long term shareholders, who prefer holding the shares with hope of increasing their wealth. This can be justified by small number of shares that are traded on the stock market. Even though this reduces the dynamism of the stock market. The investors have been very few rather no alternative to holding shares (Pandey, 2001).

A thesis titled “Dividend Decision and Its Impact on Stock Valuation” submitted by Bishnu Hari Bhattraï was objectively conducted to analyze those variables such as profit, dividend, retained earnings, growth rate and

other relevant variables to show the relationship between the value and other ingredients affecting it. In his study the researcher had found out that the dividend payment is not regular in Nepalese companies. So there was negative correlation between market price of shares and stockholders required rate of return. Since most of the banking sector is managed by the foreign management companies under the technical and management contract so it may be the research subject to find out whether the investors are mainly focused on banking sectors mainly because of the dividend reason that is regular in this sector or there is more than that.

He also concluded that the market price is considerably higher than actual net worth in Nepalese companies. But Bhattraai had taken only ten companies (four banks, two insurance/finance companies and four manufacturing/ trading) sector and concluded that investors do not have adequate knowledge on how to evaluate value of shares before investing on it. Besides he found that investment policy is not disclosed to the shareholders of the organization and government is silent on inefficiency of companies and no legislation is passed regarding dividend. So he concluded by saying that investors have high perception of protection of their interest by joint venture companies established under foreign collaboration in comparison to other sectors (Bhattraai, 2001).

Janaki Singh in 2003 carried out a study on behavior and volatility of stock price in Nepalese stock market based on the data of randomly selected stock out of all listed securities trading by NEPSE. Her study covered the period from June 1995 to June 2002. In her observation she has found most of the stocks underpriced. So the investor should be aware of it and they should buy the under priced and sell the over priced stocks. (Singh, 2003)

Another research has performed by Prasad Dangol in 2004 is entitled "A Study on Investors' Perception in Nepalese Stock Market". The main

objective of his research is to “examine the impact on the stock market as per the change of investors’ perception and to examine whether investors perception leads to growth of the stock market”.

His study contributes to the importance of the investors’ perception and shows the change of investors’ perception impacts on the stock market and how the perception on investors leads to growth of the stock market. It shows that there is a negative impacted on the Nepalese stock market as per the changes of investors’ perception because there has been a negative effect on the perception on investors. This is also a main cause of the negative growth of the stock market (Dangol, 2004).

Similarly, study in stock price behavior has carried out by pramila subedi in 2005. She observed over the data of the various companies considering various banks, insurance companies, finance companies, NIDC and hotels from 1999 to 2004. According to her observation Nepalese investors have not adequate education about the capital market. Due to this stock price in NEPSE shows rather irrational behavior . In NEPSE, DPS, BPS and EPS individually do not have consistent relationship with the market price of share among her listed companies. Since NEPSE is in an increasing trend , in spite of unfavorable environment for investment ,Nepalese citizens have a huge amount of scattered fund remained idle ,which can be used in the industrial development through capital market to accelerate the economic growth of the nation.(subedi,2005)

2.3.3 Review of the books

The single period rate of return is the most important outcome from an investment. It measures the investor's rate of wealth accumulation for decrease per period. The primary risk factor creates investment uncertainties are interest rate risk. Purchasing power risk, bull market risk, management risk, liquidity risk, calls ability risk etc. However these are infinite number of other factor that can contribute to the risk. Investment

analysis can represent assets as probability distribution of single period returns that subsume every fact about the assets. Similarly the tradeoff between risk and return that will change with the passage of time but will always be positive because investors are risk averse. Investors require higher including them to place their fund in riskier assets (Francis Jack & Clarke, 1979).

Similarly Ghimire has said that there are various alternatives of investments for investors. There will be lack of enough found for inventory in all types of alternatives. At the hand every alternatives can be favorable for investment to the investors. So the investors use to invest their fund considering the investment horizon. Investment horizon plays a significant role for choosing the best alternative for investment. There is high effect in long term investment due to risk, returns and government tax policy rather than short term investment (Ghimire, 2007).

Today's investors face a very different world than their parent did. The explosion in information technology has expanded their investment horizon to virtually every corner of the globe. The breadth and complexity of today's investment opportunities are strategic and investing in today's fast paced environment requires more expertise and specialized knowledge than ever before. Investment portfolios that were reviewed quarterly may now need more constant attention. And investors are particularly vulnerable. Having accumulated sizeable fund, investors are now wondering how to best invest their assets. A relationship with stock broker, financial advisor for financial planner solves some of their problems, but not all. Even there professionals cannot hope to keep abreast of all the new financial development and techniques. That's why many investors are turning to "manage money" for some or all of their portfolio administration (Thapa, 2006).

The choice among the investment alternatives is strongly influenced by the investor's investment objectives. Investors must consider the expected return and risk of the portfolio and must also develop and appropriate investment strategies. The investment environment has under gone a rapid transformation since 1950s. (Cheney and Moses, 1992).

CHAPTER-III

RESEACH METHODOLOGY

Methodology is the research method used to test the hypotheses. Research methodology is a systematic way to solve the research problems. This chapter relates to the overall approach to the research process. . It describes the methods and process followed in the entire research process. Hence this chapter deals with the method and process applied for this research study. This study covers quantitative methodology in a greater extent and also uses descriptive methods based on both technical and logical aspects. On the basis of historical data, different financial and statistical tools are used for the analysis of different variables. Component of research methodology are described as follows.

3.1 Research Design

Research design is the plan, structure, and strategy of investigation conceived so as to obtain answer to research questions and to control variance. Research design refers definite procedure and technique which gives to study and provide ways for research viability. It describes the general framework to collect and analyze the data. To achieve the objective of the study, descriptive and analytical research design has been used. Some financial and statistical tools have been adopted to evaluate awareness of investors in Nepalese stock market.

This research work is done on recent available historical data from various sources covering a period of 5 years, i.e. from 02/03 to 06/07. It deals with the common stock of the companies as research on the basis of available information.

3.2 Population & Sample of the study

The population for this research is infinite. For primary data, the numbers of investors within the country is the population of the study. Among all fifty from primary market and thirty from secondary market is sample.

Similarly for secondary data, there are more than one hundred companies are listed in Nepal Stock Market Ltd., Which can be regarded as size of population for this study. It is not within the capacity of this study to include them all for analysis. Therefore the companies whose financial statements are available in NEPSE and whose current share price is high have been selected for this study.

Only eight companies have been selected as a sample for this study out of total listed companies in NEPSE. The sample is taken from banking and financing sector which has five years data. The name of the sample companies selected for the study is presented in table shown below.

Table No. 3.1

Sector wise selection of sample from the total listed companies

S.N.	Sector	No. of sample Company	Sample company
1	Banking	4	<ul style="list-style-type: none">▪ Standard Chartered Bank▪ Himalayan Bank▪ Nepal Investment Bank▪ NABIL
2	Finance	4	<ul style="list-style-type: none">▪ United Finance Ltd.▪ Nepal Ind. Dev. Corporation▪ Nepal share market▪ Kathmandu Finance

3.3 Nature and Sources of Data

The required data for the study are collected from both primary and secondary sources. Secondary data needed for the study are collected from different publications of NEPSE and SEBO/N and selected companies. Primary data are collected by means of structured questionnaire and interview. The fifty individual investors from primary market and thirty individual investors from secondary market are asked to fill up the set of questionnaire. For the purpose of questionnaire and interview, the investors are selected randomly. The views of the official of NEPSE, SEBO/N and the selected companies and the brokers are also considered on the course of study through an unstructured interview.

3.4 Data Presentation and Analysis System

For the fulfillment of the objective of the study, I have gone through the primary as well as secondary data. The views of the concern officer of NEPSE are presented in descriptive manner. Similarly, the outcome came from the structured questionnaire is presented in quantitative manner. Lastly the collected historical data is presented numerically using different financial tools and techniques. In some extent, to clarify the all, I have presented different figures, graphs and tables.

3.5 Necessary Tools and Techniques for the Study

Different financial statistical tools have been used for the analysis of the collected data. They include:

3.5.1 Market Price of Stock (Pt)

The data provided by Market price of a share is the price of the stock on which, it can be traded on the market. the NEPSE contains three types of market prices high, low, and closing. For the present study, closing market price i.e. the market price of the stock at the end of each fiscal year is taken into consideration.

3.5.2 Total Dividend (Dt)

Dividend is the reward for taking risk in investing in shares. The annual return will be provided in the form of dividend. Generally dividend is given in cash i.e. cash dividend (Ct). Sometimes dividend should be given in the form of stock, known as stock dividend or the Bonus share. Bonus share is given for increasing the paid up capital of the company. If the company declares cash dividend only, then the total dividend is equal to the cash dividend. But when there is the declaration of cash and stock dividend both, following formula will be used for the calculation of the total dividend.

In case of Stock Dividend:

Total Dividend for the year (Dt) = Ct + % of stock dividend x Pt-1

In case of “Right Share” issued at par

Total Dividend for the year (Dt) = Ct + % of right share (Pt-1 – PV)

3.5.3 Market Index (It)

NEPSE index is the market index of all the securities listed in Nepal Stock Exchange. Market indices are generally constructed to get the performance of the overall securities traded within a given time frame.

Market index is used to calculate expected return on market. For the calculation of return on market, closing NEPSE index of the particular year is considered.

3.5.4 Market Return (Rm)

Yearly return on market is the percentage increase in the NEPSE index. In other words,

yearly market return is the average return of the market of the market as a whole. The yearly return on market is calculated as,

$$R_m = \frac{I_t - I_{t-1}}{I_{t-1}} \times 100\%$$

3.5.5 Expected Return on Market (Rm)

Expected Return on market is the future return expected by the market. It is calculated here, by dividing the sum of market return of past years, divided by no.

$$R_m = \frac{\sum R_m}{N}$$

3.5.6 Yearly Return on Stock (Rj)

Yearly return on stock is also known as single period rate of return. It is the rate gained by the investors after a period or year. The single period rate of return (Rj) is calculated by adding the change in the market price with total dividend and then dividing by market price of previous year as,

$$R_j = \frac{(P_t - P_{t-1}) + D_t}{P_{t-1}}$$

3.5.7 Expected Return on Stock (Rj)

Expected return on particular stock is the future return expected by the investors of that particular stock. Expected return is obtained hereby dividing the sum of periodic it returns of past years by the number of periods or years.

$$R_j = \frac{\sum R_j}{N}$$

3.5.8 Standard Deviation (j)

Standard deviation is the square root of the variance of the rate of return. The variance of stock's return equals the sum of the products of the squared deviations of each possible rate of return divided by the no. of observation decreased by one. The standard deviation measures the total risk of the particular stock.

$$j = \frac{(R_j - R_m)^2}{N-1}$$

The standard deviation of market is also calculated by using same formula, as,

$$m = \frac{(R_m - R_m)^2}{N-1}$$

3.5.9 Coefficient of Variation (CV)

Coefficient of variation is the relative measure of risk with return. It measures the risk per unit of return. Hence it is the ratio of standard deviation to the expected return of that particular of stock, multiplied by 100. Less the CV, higher will be the uniformity, or consistency.

$$CV_j = \frac{j}{R_j} \times 100\%$$

CHAPTER-IV

PRESENTATION AND ANALYSIS OF DATA

This chapter is the main part of the whole study. The main purpose of analyzing the data is to change it from an unprocessed form to an understandable presentation. So the data collected from various sources are presented and analyzed in detail in this chapter. This chapter is divided in two parts. Analysis of primary data is examined in first section and analysis of secondary data is examined in second section.

4.1 Security Transaction System in NEPSE

In order to full fill the first objective of this research, the needed data is collected from different respondent like officers of the NEPSE & SEBO/N, existing legal aspects and different views of intermediary's officers. An overview on it is presented below:

4.1.1 Current Trading System

If an investors wants to purchase or sell securities from security market then they has to go through listed Stock Brokers. Initially investors have to fill the details about the number wants to purchase or sell and price of the stock. After receiving the details from investors, stock broker issued a certificate to investors by mentioning registration number and date and then stock broker write all those things to the board of NEPSE.

NEPSE has adopted an "open out-cry" system. It means transactions of securities are conducted on the open auction principle in the trading floor. The buying broker with the highest bid will post the price and his code number on the buying column, while selling broker with the lowest offer will post the price and code number on the selling column on the quotation board. The buying price will change when any other broker increases it and the selling price will change when someone will be ready to sell at low

price. When the price matches the broker declares the quantity and the selling brokers either accept it or announce the quantity.

4.1.2 Trading Days and Hours

In Nepalese stock market shares has been trading in particular time by the particular day. The presented table can give us the clearer picture of it.

The trading timing of NEPSE is mentioned in the table below:

Table No: 4.1

Trading schedule and timing given by NEPSE

Types of Trading	Days	Time
Regular Time	Sunday to Thursday	11.00 AM to 1.00 PM
Odd Lot Trading	Monday to Friday	2.00 to 3.00 PM 11.00 AM to 12.00 Noon

4.1.3 Board Lot

NEPSE has fixed the board lot of 10 shares if the face value is Rs. 100 or 100 shares if the face value is Rs. 10. The transactions on the regular trading should be done for at least one board lot. The transaction of less than 10 shares is permitted only on odd lot trading hours.

4.1.4 Price Regulation

The opening price of any day shall not be more or less than 5 percent of the previous trading day's closing price. Once transactions are done within this range the price can be changed within a limit of 2 percent in each consecutive transaction.

4.1.5 Settlement

NEPSE has adopted a T+3 systems which mean that settlement of transactions should be done within 3 working days following the transactions day. Settlement will be carried on the basis of paper verses payment. The ratio of brokerage on equity transactions range from 1 percent to 1.5 percent depending on the traded amount.

4.1.6 Present Situation of Stock Market

Out of 135 listed companies more than 85 percent of the transactions took place in the stock exchange related to the securities of the commercial banks and financial institution. Present government is taking more seriousness to develop the securities market in the country. Currently operation has been operating through manually. There are no custodians. The government has given higher priority to strengthen the capital market and launched corporate financial governance project for the trading automation under the assistance of Asian Development Bank.

4.2 Analysis of the Level of Investor's Awareness

The primary data needed for analysis is collected through the structured questionnaire. As the objective of this analysis is to know the view and awareness of investors towards the Nepalese stock market, the needed data are collected from the investors of NEPSE which has been chosen randomly from the queue in the stock market.

The structured questionnaires were distributed to the eighty investors. The presentation and analysis of primary data collected through the questionnaire (Appendix-1) are presentation below.

4.2.1 Investor's Objective on Stock Investment

It is found that most of the investors want to invest in shares of companies basically for price appreciation. From the rank wise responses shown in the

appendix_1.a, they invest for earning dividend as their second priority objective. They give last priority for social status while making investment.

4.2.2 The sector wise Preference of Investors

From the question that which sector they give preference for investment, it is found that they are more interested to invest in banking sector. From the rank wise responses shown in the appendix_1.b, their second priority sector is found as finance and insurance. They are found less interested to make investment on manufacturing and trading and other sectors.

4.2.3 Investor's opinion on Factor Affecting MPS of Stock

The investors were asked that which factor affect the MPs of the securities. According to their responses shown in the appendix_1.c, they think net worth as a most important factor that affect MPS, by giving rank first. They think EPS as a second important factor, DPS as third one and company's goodwill as the least important factor.

4.2.4 The Views of Investors about Factor Affecting the Stock Return

The investors were asked to rank the factors that affected the return on stock most. From their response shown in the appendix_1.d, they think EPS as an important factor that affected their stock return, by giving first rank. The return of the stock is also affected by MPS as they place second rank to MPS. They think Net worth as a third important factor and company's goodwill as a last one that affected their stock return less than EPS and MPS.

4.2.5 The Investor's Preference in Different Area of Investment

The investors were asked that which area they think more attractive. From their response shown in appendix_1.e, it is found that most of the investors prefer to invest on fixed deposit. They give second priority to invest on real

estate. Securities are the third prioritized alternative of investment and the bullion is a least prioritized alternative of investment as they give third and last rank to securities and bullion respectively.

4.2.6 Factors Given Priority for Measuring Company's Performance

The investors were asked to rank the given alternative as their preferred performance measure. From their response shown in appendix_1.f, most of the investors perceived on issue of bonus and right shares as an indicator of measuring company's performance. They give second rank on declaration of dividend, third rank on timely AGM and last rank on systematic flows of information respectively. Declaration of dividend is a second preferred indicator of measuring company's performance than that of timely AGM and systematic flows of information.

4.2.7 Driving Factors for Investment in Initial Public Offering

The investors were asked to rank the factors that drive them to the market at the time of initial public offering. From their response shown in the appendix_1.g, it is found that sector is a most important driving factor that drives them to the market at the time of initial public offering. They think founder and management of the company is second important factor, future plans of the company and capital structure are found less important factor as these factors are ranked on third and fourth rank.

4.2.8 Driving Factors for Investment in Secondary Market

Investors were asked to rank the given alternative that drives to the secondary market. From their response shown in the appendix_1.h, it is found that sector of investment i.e. banking; finance etc is the most important factor that drives investors to the secondary market. They give second priority to MPS to MPS with second highest rank. They give

goodwill of the company third factor and DPS as a least important driving factor by giving third and fourth rank respectively. Hence it is clear that investors first look the sectors than MPS and then goodwill of the company and at last the dividend.

4.2.9 Suggestions for Protection of Public Interest

Investors were also asked to suggest ranking the ways for improvement to be done to protect public interest in stock market. From their response shown in the appendix 1.i, they think more representation of public on board of directors is quite necessary to protect the interest of public on board. They give next more weight on regular flows of information is to be managed by the company management. Investors' awareness program by the government authorities has given third priority and they feel increase shareholders' activism is less effective way to protect their interest on stock market. From their response in the given question it can conclude that they search easy way to be secured from fluctuations of stock market rather to be more rational investors as they give less weight to the awareness program and their activism.

4.2.10 The Nature of Risk in Stock Investment

The investors' awareness about the nature of risk in the stock investment is also analyzed by asking them about the nature of risk on stock investment. From their response in the following table it is found that about 35 percent of investors think the nature of risk as a manageable factor, 31.25 percent investors think it as an unknown factor, 30 percent think it is predictable and rest 3.75 percent think the risk factor as a known factor.

Table No. 4.2
Investor's Thinking About the Nature of Risk on Stock Investment

S.N.	Response	No. of Investor	Percentage
1	Predictable	24	30
2	Manageable	28	35
3	Known	3	3.75
4	Unknown	25	31.25
	Total	80	100

(Sources: field report)

4.2.11 The Risk Aversion Nature of Investors

From the question, to know if they are risk averter or risk seeker, it is found that most of the investors want to invest in moderate return. The portion of risk averter investors are 55 percentages, where as 37.5 percentage investors are found risk seeker. They want to invest on such assets of high return with high risk.

Table No. 4.3
Investor's Risk Aversion

S.N.	Response	No. of Investor	Percentage
1	High Risk with High Return	30	37.5
2	Moderate Risk with Moderate Return	44	55
3	Low Return with Low Risk	6	7.5
	Total	80	100

(Sources: field report)

7.5 percent investors rejected any level of risk. They want to invest on such asset which has low risk with low return.

4.2.12 Consultation Habit of Investors before Investing In Shares

It is also tried out to know, how far investors consult others before investing in shares. From the data collected shown in the following table it is found that most of the investors consult their friends i.e. 41.25 percent.

Table No. 4.4
Investors Consultation Habit

S.N.	Response	No. of Investor	Percentage
1	Broker	21	26.25
2	Professional	11	13.75
3	Friend	33	41.25
4	Self Decision	15	18.75
	Total	80	100

(Sources: field report)

26.25 percent investors consult with broker where as 18.75 percent investors make their decision themselves without consulting others and only 13.75 percent investor consult professionals for making investment decision. It is thus analyzed that broker's and professional service is not expanded to that extent of investors' excess.

4.2.13 Sources of Information about Stock Market

The respondents were asked from which sources they usually informed about stock market. From the data collected presented in the following table it is found that 45 percent investors are informed through newspaper. Thus newspaper is the main sources of information through which most of the investors are getting stock market related information.

Table No. 4.5

Sources of Stock Market information

S.N.	Responses	No. of Investor	Percentage
1	Brokers	23	28.75
2	Newspaper	36	45
3	Friends	16	20
4	Electronic Media	5	6.25
	Total	80	100

(Sources: field report)

Stock brokers are the second main sources through which about 28.75 investors are getting information about stock market by making relation to them. These investors are basically from secondary market. 20 percent investors are informed through their friends where as electronic media is less effective in this regard as only 6.25 percent investors are getting information through it.

4.2.14 Investor's Reaction on Increasing Trend of Market Price per Share

Investors were asked for their response on increasing market price per share. Their response is shown in the following table.

Table No. 4.6

Investor's Reaction on Increasing Trend of MPS

S.N.	Response	No. of Investor	Percentage
1	Buy	13	16.25
2	Sell	40	50
3	Don't Trade	27	33.75
	Total	80	100

(Sources: field report)

Most of the investors want to sell their shares i.e. 50 percent while 33.75 percent investors don't trade at the time of increasing MPS. And only 16.25 percent investors are found who purchase shares at the time of increasing MPS. Thus it is quiet clear that investors are found fear on price fall and thus they want sell their shares on such a situation.

4.2.15 Investor's reaction on Decreasing Trend of Market Price per Share

Investors were also asked for their response on decreasing market price per share. Their response is shown in the following table.

Table No. 4.7

Investor's Reaction on Decreasing Trend of MPS

S.N.	Response	No. of Investor	Percentage
1	Buy	25	31.25
2	Sell	36	45
3	Don't Trade	19	23.75
	Total	80	100

(Sources: field report)

If there will be decreasing trend of market price, most of the investors i.e. 45 percent sell their stock while 31.25 percent investors buy shares from stock market and rest 23.75 percent investors do not trade on such a trend of decreasing trend of MPS. It can be understood that investors want to sell their shares fearing from further decrease in shares price. Due to lack of adequate knowledge of trading mechanism and to get more benefit from stock trading from secondary market, most of the investors go through selling their shares so that they don't bear any additional loss from falling price.

4.2.16 Investor's participation Pattern in Annual General Meeting

From the question that how far investors participate on company's annual general meeting, the summarized from of response collected from investors' has been shown in the following table.

Table No. 4.8
Investor's Participation Pattern on AGM

S.N.	Response	No. of Investor	Percentage
1	Regular	36	45
2	Sometimes	24	30
3	By Proxy	12	15
4	No participation	8	10
	Total	80	100

(Sources: field report)

From the above table it is found that most of the investors i.e. 45 percent participate in AGM each year, 30 percent investors participate sometimes on their free and favorable time. Some investors about 15 percent participate indirectly by giving proxy to other and rest 10 percent investors have no interest to participate in AGM. Investors are not found serious to use AGM as a democratic platform of investors' right protection. As only 42 percent investors are found regular participants.

4.2.17 Investor's Response Information in Prospectus

Investors were asked that how do they react on the statement published by the company before going to publish. Response from investors has been shown in the following table.

Table No. 4.9

Investor's Response on Information of Prospectus

S.N.	Response	No. of Investor	Percentage
1	True Statement	13	16.25
2	False Statement	31	38.75
3	More Optimistic	36	45
	Total	80	100

(Sources: field report)

From the data of above table it is found that major portion of investors' (i.e. 45 percent) think the given information published in the prospectus is less reliable and more optimistic. 38.75 percent investors believe the printed statement as a false statement. Only 16.25 percent investors believe the printed statement as a true one. It is thus conclude that the published statement on prospectus is failed to attract investors' attention positively. Thus this has been done to fulfill formalities while issuing shares.

4.2.18 Opinion about Existing Rules and Regulations

Investors were asked for their opinion about existing rules and regulations of stock market in Nepal. The response of investors has been shown in the following table.

Table No. 4.10

Investor's Opinion on Existing Rules and Regulation

S.N.	Response	No. of Investors	Percentage
1	Adequate	17	21.25
2	Satisfactory	26	32.50
3	Poor	37	46.25
	Total	80	100

(Sources: field report)

From their response shown in the above table, it is found that most of the investors (i.e. 46.25 percent) think that the existing rules and regulations are poor, 32.50 percent investors believe as satisfactory and only 21.25 percent investors think the current rules and regulations are adequate. From the views of investors, it can be conclude that the present rules and regulations are not satisfying investors as most of the investors think the existing rules and regulations are poor.

4.2.19 Management Attitude towards Public Shareholders

From the question that what do investors feel about management attitudes towards public shareholders, their response has been shown in the following table.

Table No. 4.11

Investor's perception on Management Attitude

S.N.	Response	No. of Investors	Percentage
1	Positive	13	16.25
2	Satisfactory	31	38.75
3	Poor	36	45
	Total	80	100

(Sources: field report)

From the investors' response shown in the above table it is found that most of the investors' (i.e. 45 percent) perceived the management attitude as poor. 38.75 percent investors perceived as satisfactory and only 16.25 percent investors think as positive attitude towards them. It is thus conclude that investors are not fairly treated by management.

4.2.20 Investor's Response on Current Performance of Stock Market

The last question to the investors was asked for their response on current performance of stock market. The investors' response regarding current performance has been shown in the following table.

Table No. 4.12

Investor's Response on the Stock Market Performance

S.N.	Response	No. of Investors	Percentage
1	Satisfactory	33	41.25
2	Poor	43	53.75
3	Excellent	4	5
	Total	80	100

(Sources: field report)

From the above table, most of investors (i.e. 53.75 percent) perceived stock market performance is poor whereas 41.25 percent investors consider as it is satisfactory and the rest 5 percent investors think the performance of stock market is excellent. From the response of investors, it can be concluded that stock market is not performing well as it would be. The reason behind poor performing of stock market may be lack of new technology and information flow mechanism. The stock market should be able to address the investors' expectation.

4.3 Position of Risk & Return of Nepalese Financial Institution

The secondary data collected from secondary sources like publication of NEPSE, annual report of SEBO/N and other related sources are presented and their interpretation and analysis is carried out in this section. The secondary data includes MPS and Dividend paid on the selected securities for various years. Beside it NEPSE index of various years is also taken for

the study. Here closing market price is taken into consideration. Appropriate diagrams and tables are presented to make this analysis more simple and understandable.

The selected securities are from different sector of Banking and Finance. All selected eight companies are listed in NEPSE and their MPS, DPS, and other related data are presented in table and analysis is made accordingly using appropriate

4.3.1 Risk & Return of Selected Nepalese Commercial Bank

In this section the selected securities of listed commercial banks are analyzed separately in terms of risk and return. Different financial tools and techniques have been adopted during the calculation. Side by side appropriate diagram and table is also used.

4.3.1.1 NABIL Bank Ltd.

The data of market price, cash dividend and stock dividend per share are presented in the following table below.

Table No. 4.13

MPS, Cash Dividend, Stock Dividend and Total Dividend of NABIL

FY	Market Price Per Share			Dividend per Share			Remarks
	High	Low	Closing	Cash	Stock	Total	
01/02	1500	465	735	-	-	-	
02/03	875	700	735	50	-	-	
03/04	1005	705	1000	65	-	-	
04/05	1515	1000	1505	70	-	-	
05/06	2300	1500	2240	70	-	-	
06/07	5050	2025	5050	85	-	-	

(Sources: Annual report of SEBON)

The closing market price of NABIL is higher in the year 06/07 i.e. Rs.5050 and minimum in the year 02/03 i.e. Rs.735. The NABIL bank has given cash dividend through out the presented years which is high in the year 06/07 i.e. Rs.85. The annual return, expected return, standard deviation and CV are calculated on the basis of above ground is shown in the table below

Table No. 4.14
Yearly Return (Rj), Expected Return (Rj) and Standard Deviation (j) of NABIL

Year	Closing Market Price (Pt)	Total Dividend (Dt)	Yearly Return (Pt-Pt-1) + Dt Rj = ----- Pt-1	Rj-Rj	(Rj-Rj) ²
01/02	735	-	-	-	-
02/03	735	50	0.0680	-0.5159	0.2662
03/04	1000	65	0.4490	-0.1349	0.0182
04/05	1505	70	0.5750	-0.0089	0.000079
05/06	2240	70	0.5750	-0.049	0.0024
06/07	5050	85	1.2924	0.7085	0.5019
N=5			Rj = 2.9193	(Rj-Rj) ² = 0.7888	

Expected Return (Rj) is calculated as below:

$$R_j = \frac{\sum R_j}{N} = \frac{2.9193}{5} = 0.5839$$

Standard Deviation (σ) is calculated as below:

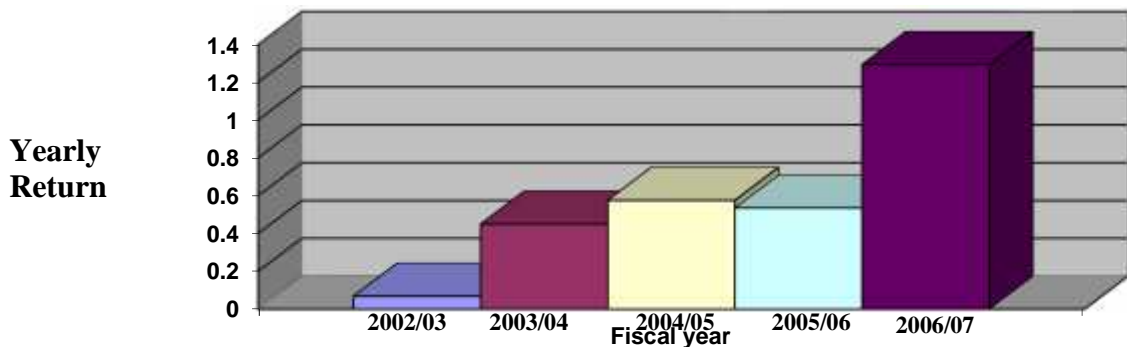
$$\sigma = \sqrt{\frac{\sum (R_j - \bar{R})^2}{N-1}} = \frac{0.7888}{\sqrt{5-1}} = 0.2220$$

Coefficient of Variation (CV) is calculated as below:

$$CV = \frac{\sigma}{\bar{R}} = \frac{0.2220}{0.5839} = 0.3802$$

Figure No: 4.1

Yearly Return on Common Stock of NABIL



The range of yearly return on the common stock of Nabil is from 6.8 percent in the year 02/03 to 129.44 percent in the year 06/07. The trend of yearly return is increasing up and significantly increased to 06/07 by 129.44 percent. The expected return for the stock is found to be 58039 percent and the standard deviation on the stock is found 0.2220 and the CV of the same stock is found to be 0.3802 which indicates that investors has to bear 0.3802 unit of risk to earn one additional unit of return.

4.3.1.2 Himalayan Bank Ltd.

The market price per share of HBL, the cash dividend, stock dividend and the total dividend calculated are presented in the table below.

Table No. 4.15

MPS, Cash Dividend, Stock Dividend and Total Dividend of HBL

FY	Market Price Per Share			Dividend per Share			Remarks
	High	Low	Closing	Cash	Stock	Total	
01/02	1530	610	1000		-	-	
02/03	950	750	838	13.2	1:4	263.2	25% stock dividend
03/04	1010	600	840	-	1:5	209.5	20% stock dividend
04/05	1161	855	920	11.58	1:5	179.58	20% stock dividend
05/06	1200	900	1100	10	1:5	194	20% stock dividend
06/07	1760	950	1760	30	1:20	85	5% stock dividend

(Sources: Annual report of SEBON)

The total dividend is calculated as per the tools mentioned earlier in the research methodology at page no.29

$$\text{For FY 02/03 } 13.2 + 0.25 \times 1000 = 263.2$$

$$\text{FY 03/04 } 0 + 0.25 \times 838 = 209.5$$

$$\text{FY 04/05 } 11.58 + 0.20 \times 840 = 179.58$$

$$\text{FY 05/06 } 10 + 0.20 \times 920 = 194$$

$$\text{FY 06/07 } 30 + 0.05 \times 1100 = 85$$

The closing market price of HBL is higher in the year 06/07 i.e. Rs.1760 and minimum in the year 02/03 i.e. Rs.838. The HBL has given cash and stock dividend through out the presented years. The annual return, expected return, standard deviation and CV are calculated on the basis of above ground is shown in the table below.

Table No. 4.16
Yearly Return (R_j), Expected Return (R_j) and Standard
Deviation (σ_j) of HBL

Year	Closing Market Price (P _t)	Total Dividend (D _t)	Yearly Return (P _t -P _{t-1}) + D _t R _j = ----- P _{t-1}	R _j -R _j	(R _j -R _j) ²
01/02	1000	-	-	-	-
02/03	838	263.2	0.1012	-0.2481	0.0615
03/04	840	209.5	0.2524	-0.0969	0.0094
04/05	920	179.58	0.3090	-0.0403	0.0016
05/06	1100	194	0.4065	0.0572	0.0033
06/07	1760	85	0.6773	0.328	0.1076
N=5			R _j = 1.7464	(R _j -R _j) ² = 0.1834	

Expected Return (R_j) is calculated as below:

$$R_j = \frac{R_j}{N} = \frac{1.7464}{5} = 0.3493$$

Standard Deviation (σ_j) is calculated as below:

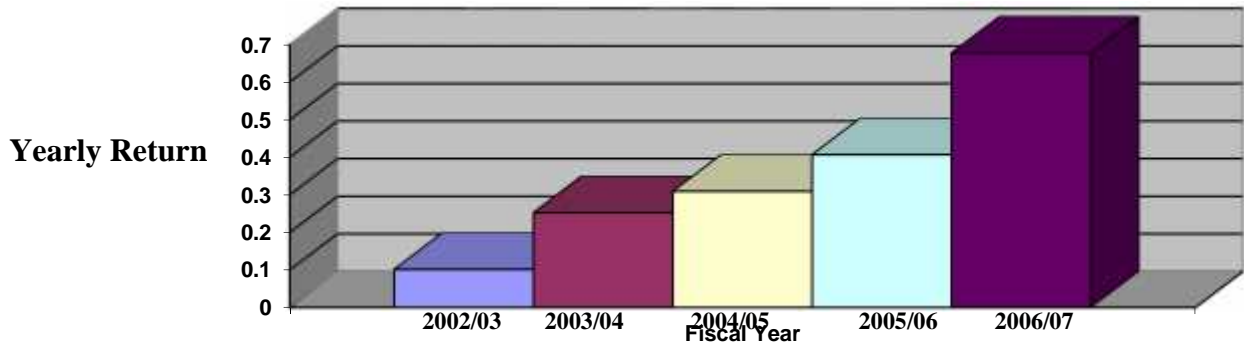
$$\sigma_j = \sqrt{(R_j - R_j)^2 / N - 1} = \sqrt{0.1834 / 5 - 1} = 0.1071$$

Coefficient of Variation (CV) is calculated as below:

$$CV_j = \frac{\sigma_j}{R_j} = \frac{0.1071}{0.3493} = 0.3066$$

Figure: 4.2

Yearly Return on Common Stock of HBL



The range of yearly return on the common stock of HBL is from 10.12 percent in the year 02/03 to 67.73 percent in the year 06/07. The trend of yearly return is rapidly growing up. The expected return for the stock is found to be 34.93 percent and the standard deviation is found to be 0.1071 while CV of the same stock is 0.3066 units which mean that investors has to bear 0.3066 units to earn one additional unit of return.

4.3.1.3 Nepal Investment Bank Ltd.

The market price per share of NIB, the cash dividend, stock dividend and the total dividend calculated are presented in the table below.

Table No. 4.17

**MPS, Cash Dividend, Stock Dividend and Total Dividend of
NIB**

FY	Market Price Per Share			Dividend per Share			Remarks
	High	Low	Closing	Cash	Stock	Total	
01/02	1150	575	760	-	-	-	-
02/03	890	635	795	20	-	-	-
03/04	942	745	940	15	-	-	33.33% right share
04/05	1430	760	800	12.5	-	-	-
05/06	1265	762	1260	5	1:4	205	25% stock dividend
06/07	1729	1000	1729	12.5		453.5	35% stock dividend

(Sources: Annual report of

SEBON)

The total dividend is calculated as per the tools mentioned earlier in the research methodology at page no.29

For FY 03/04 $15+0.3333(795-100) = 246.64$

FY 05/06 $5+0.25 \times 800 = 205$

FY 06/07 $12.5+0.35 \times 1260 = 453.5$

The closing market price of NIB is higher in the year 06/07 i.e. Rs.1729 and minimum in the year 02/03 i.e. Rs.795. The NIB has issued right share in the year 03/04 while also given cash and stock dividend in the different presented years. The annual return, expected return, standard deviation and CV are calculated on the basis of above ground is shown in the table below.

Table No. 4.18
Yearly Return (R_j), Expected Return (R_j) and Standard
Deviation (σ_j) of NIB

Year	Closing Market Price (Pt)	Total Dividend (Dt)	Yearly Return (Pt-Pt-1) + Dt R _j = ----- Pt-1	R _j -R _j	(R _j -R _j) ²
01/02	760	-	-	-	-
02/03	795	20	0.0723	-0.3262	0.10640
03/04	940	246.64	0.4926	0.0941	0.0088
04/05	800	12.50	-0.1356	-0.5341	0.2853
05/06	1260	205	0.83125	0.4327	0.1872
06/07	1729	453.5	0.7321	0.3336	0.11129
N=5			R _j = 1.9926	(R _j -R _j) ² = 0.69899	

Expected Return (R_j) is calculated as below:

$$R_j = \frac{R_j}{N} = \frac{1.9926}{5} = 0.3985$$

Standard Deviation (σ_j) is calculated as below:

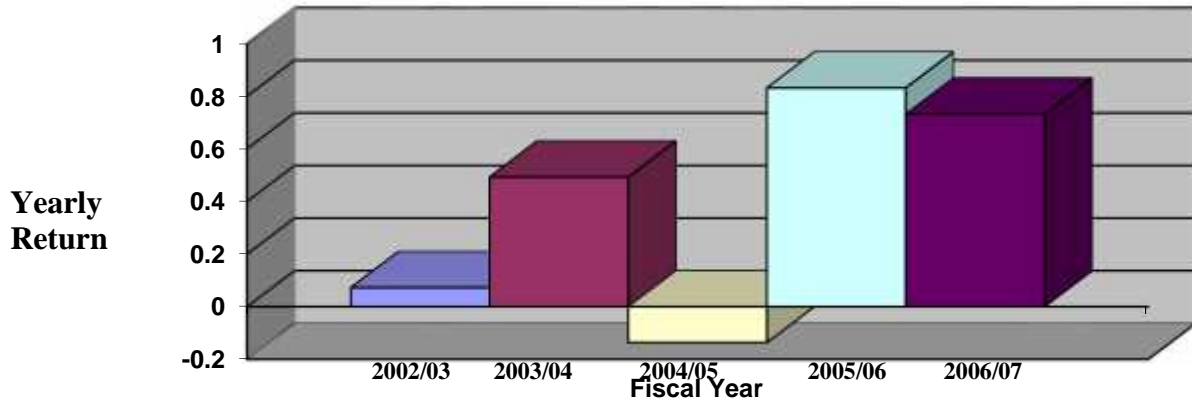
$$\sigma_j = \sqrt{(R_j - R_j)^2 / N - 1} = \sqrt{0.69899 / 5 - 1} = 0.2090$$

Coefficient of Variation (CV) is calculated as below:

$$CV_j = \frac{\sigma_j}{R_j} = \frac{0.2090}{0.3985} = 0.5245$$

Figure-4.3

Yearly Return on Common Stock of NIB



The range of annual return on the common stock is from negative return 13.56 percent lowest in the year 04/05 to highest 83.12 percent in the year 05/06. The annual return is highly fluctuated in the respected years. From the above data expected return is 39.85 percent. The total risk of NIB i.e. standard deviation is 0.2090 and the relative measure of dispersion based on standard deviation i.e. CV is found to be 0.5245 which means for earning one unit of return the investors has to bear 0.5245 unit of risk.

4.3.1.4 Standard Chartered Bank

The market price per share of SCB, the cash dividend, stock dividend and the total dividend calculated are presented in the table below.

Table No. 4.19
MPS, Cash Dividend, Stock Dividend and Total Dividend of
SCB

FY	Market Price Per Share			Dividend per Share			Remarks
	High	Low	Closing	Cash	Stock	Total	
01/02	2100	1000	1550	-	-	-	-
02/03	1760	1380	1640	100	-	-	-
03/04	1800	1520	1745	110	1:10	274	10% Stock Dividend
04/05	2350	1553	2345	110	-	-	-
05/06	3775	2200	3775	120	-	-	-
06/07	5900	3058	5900	130	1:10	354.5	10% Stock Dividend

*(Sources: Annual report of
SEBON)*

The total dividend is calculated as per the tools mentioned earlier in the research methodology at page no.29

$$\text{For FY 03/04 } 110 + 0.1 \times 1640 = 274$$

$$\text{FY 05/06 } 120 + 0.1 \times 2345 = 354.5$$

The closing market price of SCB is higher in the year 06/07 i.e. Rs.5900 and minimum in the year 02/03 i.e. Rs.1745. The SCB has given more than 100 percent cash dividend throughout the presented year and also provided stock dividend in the year 03/04 and 06/07. The annual return, expected return, standard deviation and CV are calculated on the basis of above ground is shown in the table below.

Table No. 4.20
Yearly Return (R_j), Expected Return (R_j) and Standard
Deviation (σ_j) of SCB

Year	Closing Market Price (P _t)	Total Dividend (D _t)	Yearly Return (P _t -P _{t-1}) + D _t R _j = ----- P _{t-1}	R _j -R _j	(R _j -R _j) ²
01/02	1550	-	-	-	-
02/03	1640	100	0.1226	-0.2931	0.0859
03/04	1745	274	0.2311	-0.1846	0.0341
04/05	2345	110	0.4069	-0.0088	0.000077
05/06	3775	110	0.6609	0.2452	0.06012
06/07	5900	354.5	0.6568	0.2411	0.05812
N=5			R _j = 2.0783	(R _j -R _j) ² = 0.2383	

Expected Return (R_j) is calculated as below:

$$R_j = \frac{R_j}{N} = \frac{2.0783}{5} = 0.4157$$

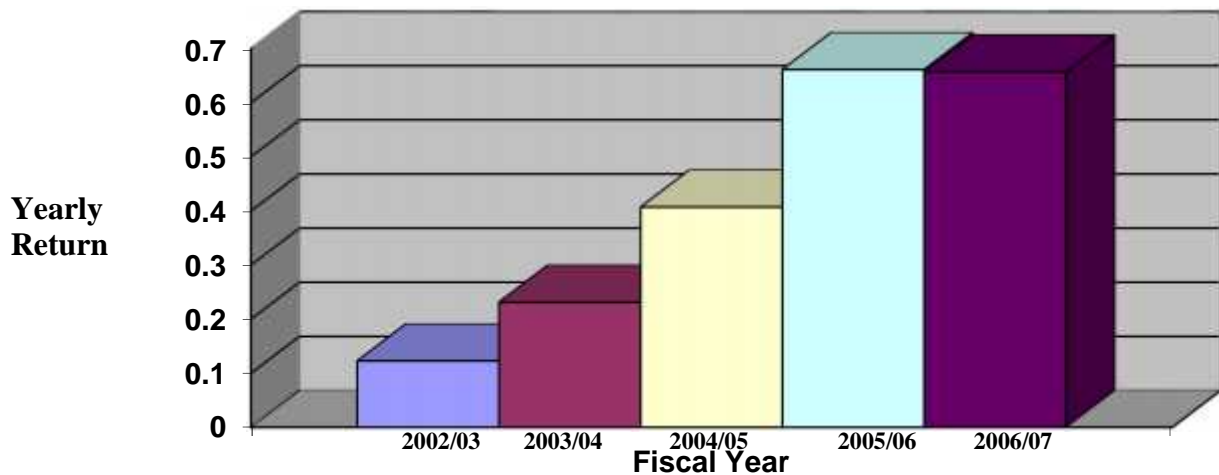
Standard Deviation (σ_j) is calculated as below:

$$\sigma_j = \sqrt{(R_j - R_j)^2 / N - 1} = \sqrt{0.2383 / 5 - 1} = 0.1220$$

Coefficient of Variation (CV) is calculated as below:

$$CV_j = \frac{j}{R_j} = \frac{0.1220}{0.4157} = 0.2936$$

Figure: 4.4
Yearly Return on Common Stock of SCB



The range of annual return on the common stock of SCB is from 12.26 percent in the year 02/03 to 65.68 percent in the year 06/07. The trend of yearly return is gradually in increasing trend but negligible decrease in the year 06/07 comparison to year 05/06 return. From the above data expected return is 41.57 percent. The total risk of SCB i.e. standard deviation is 0.1220 and the relative measure of dispersion based on standard deviation i.e. CV is found to be 0.2936 which means for earning one unit of return the investors has to bear 0.2936 unit of risk.

4.3.1.5 United Finance Ltd.

The market price per share of UFL, the cash dividend, stock dividend and the total dividend calculated are presented in the table below.

Table No. 4.21

**MPS, Cash Dividend, Stock Dividend and Total Dividend of
UFL**

FY	Market Price Per Share			Dividend per Share			Remarks
	High	Low	Closing	Cash	Stock	Total	
01/02	105	100	105	-	-	-	-
02/03	125	98	103	5	-	-	-
03/04	108	102	106	5	-	-	-
04/05	127	105	117	5	-	-	-
05/06	157	154	154	10	-	-	-
06/07	416	156	416	11.83	-	1:4	25% Stock Dividend

(Sources: Annual report of SEBON)

The total dividend is calculated as per the tools mentioned earlier in the research methodology at page no.29

For FY 06/07 $11.83 + 0.25 \times 154 = 50.33$

The closing market price of UFL is higher in the year 06/07 i.e. Rs.416 and minimum in the year 02/03 i.e. Rs.103. The UFL has given cash dividend throughout the presented year and also provided stock dividend in the year 06/07. The annual return, expected return, standard deviation and CV are calculated on the basis of above ground is shown in the table below.

Table No. 4.22
Yearly Return (R_j), Expected Return (R_j) and Standard
Deviation (σ_j) of UFL

Year	Closing Market Price (P _t)	Total Dividend (D _t)	Yearly Return (P _t -P _{t-1}) + D _t R _j = ----- P _{t-1}	R _j -R _j	(R _j -R _j) ²
01/02	105	-	-	-	-
02/03	103	5	0.0285	-0.5088	0.2589
03/04	106	5	0.0776	-0.4598	0.2114
04/05	117	5	0.1509	-0.3865	0.1494
05/06	154	10	0.4017	-0.1357	0.01841
06/07	416	50.33	2.0281	1.4907	0.9533
N=5			R _j = 2.6868	(R _j -R _j) ² = 1.59141	

Expected Return (R_j) is calculated as below:

$$R_j = \frac{R_j}{N} = \frac{2.6868}{5} = 0.5374$$

Standard Deviation (σ_j) is calculated as below:

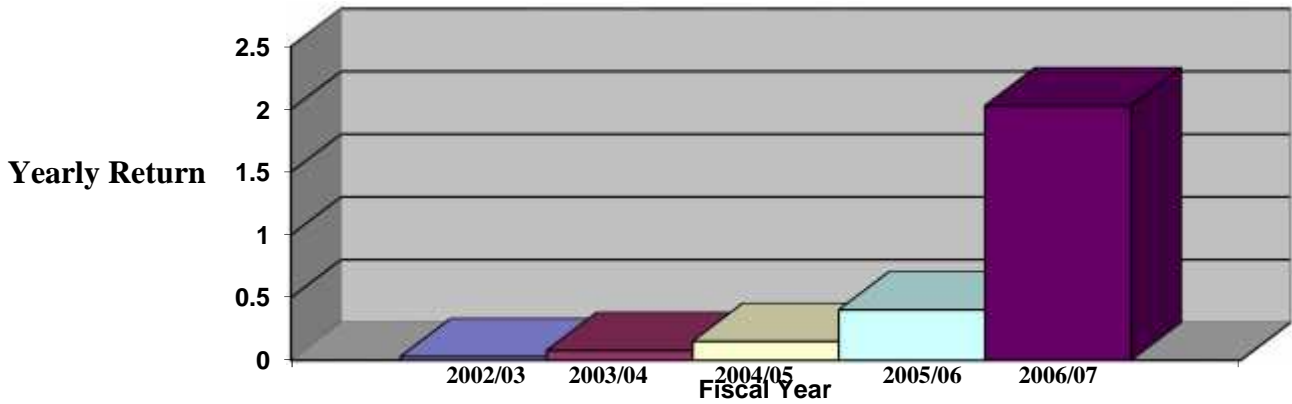
$$\sigma_j = \sqrt{(R_j - R_j)^2 / N - 1} = \sqrt{1.59141 / 5 - 1} = 0.3154$$

Coefficient of Variation (CV) is calculated as below:

$$CV_j = \frac{\sigma_j}{R_j} = \frac{0.3154}{0.5374} = 0.5869$$

Figure: 4.5

Yearly Return on Common Stock of UFL



The range of annual return on the common stock of UFL is found minimum 2.85 percent in the year 02/03 and maximum 202.81 in the year 06/07. The trend of yearly return is gradually in increasing trend and significant increase in the year 06/07 comparison to year 05/06 return. From the above data expected return is 53.74 percent. The total risk of UFL i.e. standard deviation is 0.3154 and the relative measure of dispersion based on standard deviation i.e. CV is found to be 0.5869 which means for earning one unit of return the investors has to bear 0.5869 unit of risk.

4.3.1.6 Nepal Industrial Development Corporation

The market price per share of NIDC, the cash dividend, stock dividend and the total dividend calculated are presented in the table below.

Table No. 4.23
MPS, Cash Dividend, Stock Dividend and Total Dividend of
NIDC

FY	Market Price Per Share			Dividend per Share			Remarks
	High	Low	Closing	Cash	Stock	Total	
01/02	600	175	175	-	-	-	-
02/03	180	125	125	-	-	-	-
03/04	130	101	107	-	-	-	-
04/05	130	104	110	-	-	-	-
05/06	208	190	208	15	1:4	42.5	25% Stock Dividend
06/07	475	205	455	15	1:4	67	25% Stock Dividend

(Sources: Annual report of

SEBON)

The total dividend is calculated as per the tools mentioned earlier in the research methodology at page no.29

For FY 05/06 $15 + 0.25 \times 110 = 42.5$

FY 06/07 $15 + 0.25 \times 208 = 67$

The closing market price of NIDC is higher in the year 06/07 i.e. Rs.455 and minimum in the year 03/04 i.e. Rs.107. The market price of NIDC has initially failed down rapidly and then smoothly increasing. NIDC has also not provided any dividend till 04/05 and then given cash and stock dividend in the year 05/06 and 06/07. The annual return, expected return, standard deviation and CV are calculated on the basis of above ground is shown in the table below.

Table No. 4.24
Yearly Return (R_j), Expected Return (R_j) and Standard
Deviation (σ_j) of NIDC

Year	Closing Market Price (Pt)	Total Dividend (Dt)	Yearly Return (Pt-Pt-1) + Dt R _j = ----- Pt-1	R _j -R _j	(R _j -R _j) ²
01/02	175	-	-	-	-
02/03	125	-	-0.2857	-0.7627	0.5817
03/04	107	-	-0.1440	-0.621	0.3856
04/05	110	-	0.02803	-0.4489	0.2016
05/06	208	42.5	1.2772	0.8002	0.6403
06/07	455	67	1.5096	1.0326	1.0662
N=5			R _j = 2.38513	(R _j -R _j) ² = 2.8753	

Expected Return (R_j) is calculated as below:

$$R_j = \frac{R_j}{N} = \frac{2.38513}{5} = 0.4770$$

Standard Deviation (σ_j) is calculated as below:

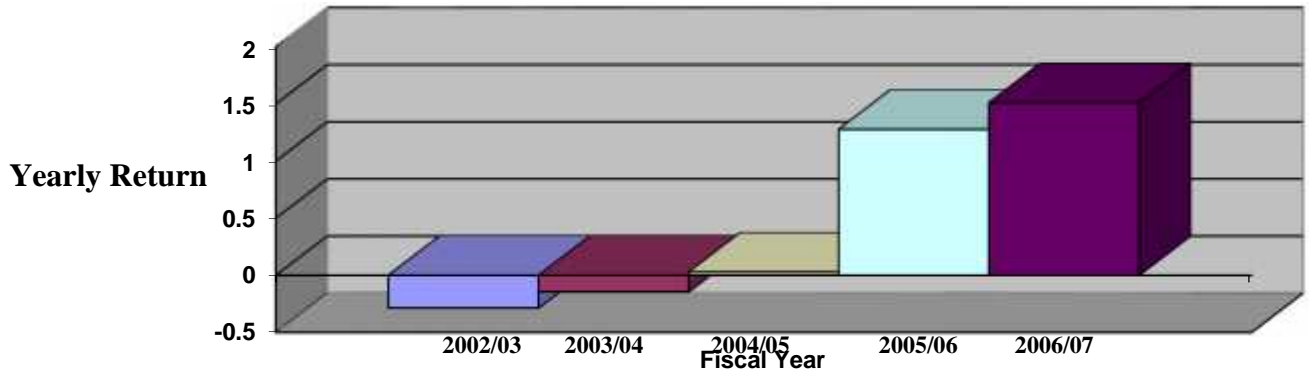
$$\sigma_j = \sqrt{(R_j - R_j)^2 / N - 1} = \sqrt{2.8753 / 5 - 1} = 0.4239$$

Coefficient of Variation (CV) is calculated as below:

$$CV_j = \frac{\sigma_j}{R_j} = \frac{0.4239}{0.4770} = 0.8887$$

Figure: 4.6

Yearly Return on Common Stock of NIDC



The range of annual return on the common stock of NIDC is found negative in the year 02/03 and 03/04 respectively than significantly goes up through out the remaining years. The highest return is 150.96 percent in the year 06/07. From the above data expected return is 47.70 percent. The total risk of NIDC i.e. standard deviation is 0.4239 and the relative measure of dispersion based on standard deviation i.e. CV is found to be 0.8887 which means for earning one unit of return the investors has to bear 0.8887 unit of risk.

4.3.1.7 Nepal Share Market

The market price per share of NSM, the cash dividend, stock dividend and the total dividend calculated are presented in the table below.

Table No. 4.25

**MPS, Cash Dividend, Stock Dividend and Total Dividend of
NSM**

FY	Market Price Per Share			Dividend per Share			Remarks
	High	Low	Closing	Cash	Stock	Total	
01/02	198	135	159	-	-	-	-
02/03	200	125	125	-	-	-	-
03/04	125	103	103	-	-	-	-
04/05	122	103	120	10	-	-	-
05/06	145	114	145	10.53	-	-	-
06/07	330	145	300	-	-	45	100% Right Share

(Sources: Annual report of SEBON)

The total dividend is calculated as per the tools mentioned earlier in the research methodology at page no.29

For FY 06/07 $0+1(145-100) = 45$

The closing market price of NSM is higher in the year 06/07 i.e. Rs.300 and minimum in the year 03/04 i.e. Rs.103. The market price of NSM has fluctuated over the period then smoothly increasing at the end of the presented years. NSM has also not provided any dividend till 03/04 and then given cash and right share dividend in the last three years respectively. The annual return, expected return, standard deviation and CV are calculated on the basis of above ground is shown in the table below.

Table No. 4.26
Yearly Return (R_j), Expected Return (R_j) and Standard
Deviation (σ_j) of NSM

Year	Closing Market Price (P _t)	Total Dividend (D _t)	Yearly Return (P _t -P _{t-1}) + D _t R _j = ----- P _{t-1}	R _j -R _j	(R _j -R _j) ²
01/02	159	-	-	-	-
02/03	125	-	-0.0049	-0.35622	0.1269
03/04	103	-	-0.176	-0.52732	0.2781
04/05	120	10	0.2621	-0.08922	0.00796
05/06	145	10.53	0.2961	-0.05522	0.003049
06/07	300	45	1.3793	1.02798	1.0567
N=5			R _j = 1.7566	(R _j -R _j) ² = 1.4727	

Expected Return (R_j) is calculated as below:

$$R_j = \frac{R_j}{N} = \frac{1.7566}{5} = 0.35132$$

Standard Deviation (σ_j) is calculated as below:

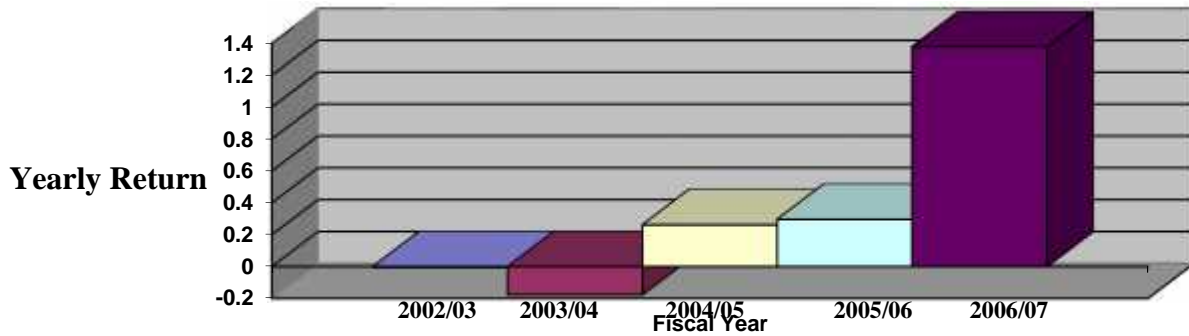
$$\sigma_j = \sqrt{(R_j - R_j)^2 / N - 1} = \sqrt{1.4727 / 5 - 1} = 0.3034$$

Coefficient of Variation (CV) is calculated as below:

$$CV_j = \frac{\sigma_j}{R_j} = \frac{0.3034}{0.35132} = 0.8636$$

Figure: 4.7

Yearly Return on Common Stock of NSM



The range of annual return on the common stock of NSM is found negative in the year 02/03 and 03/04 respectively than significantly goes up through out the remaining years. The highest return is 137.93 percent in the year 06/07. From the above data expected return is 35.132 percent. The total risk of NSM i.e. standard deviation is 0.3034 and the relative measure of dispersion based on standard deviation i.e. CV is found to be 0.8636 which means for earning one unit of return the investors has to bear 0.8636 unit of risk.

4.3.1.8 Kathmandu Finance Ltd.

The market price per share of KFL, the cash dividend, stock dividend and the total dividend calculated are presented in the table below.

Table No. 4.27
MPS, Cash Dividend, Stock Dividend and Total Dividend of
KFL

FY	Market Price Per Share			Dividend per Share			Remarks
	High	Low	Closing	Cash	Stock	Total	
01/02	350	271	305	-	-	-	-
02/03	310	230	235	-	-	152.5	50% Stock Dividend
03/04	274	200	205	50	-	-	-
04/05	207	135	138	10	-	-	-
05/06	147	135	140	10	-	-	-
06/07	204	140	203	15	-	-	-

*(Sources: Annual report of
SEBON)*

The total dividend is calculated as per the tools mentioned earlier in the research methodology at page no.29

$$\text{For FY 06/07 } 0 + 0.5 \times 305 = 152.5$$

The closing market price of KFL is higher in the year 02/03 i.e. Rs.305 and minimum in the year 05/06 i.e. Rs.140. The market price of KFL has fluctuated randomly over the period then smoothly increasing at the end of the presented years. KFL has provided stock dividend in the year 02/03 and then given cash dividend in the last subsequent years. The annual return, expected return, standard deviation and CV are calculated on the basis of above ground is shown in the table below.

Table No. 4.28
Yearly Return (R_j), Expected Return (R_j) and Standard
Deviation (σ_j) of KFL

Year	Closing Market Price (P _t)	Total Dividend (D _t)	Yearly Return (P _t -P _{t-1}) + D _t R _j = ----- P _{t-1}	R _j -R _j	(R _j -R _j) ²
01/02	305	-	-	-	-
02/03	235	152.5	0.27049	0.1262	0.0159
03/04	205	50	0.0851	-0.0592	0.00350
04/05	138	10	-0.2780	-0.4223	0.17833
05/06	140	10	0.0869	-0.0574	0.00329
06/07	203	15	0.5571	0.4128	0.1704
N=5			R _j = 0.72159	(R _j -R _j) ² = 0.37142	

Expected Return (R_j) is calculated as below:

$$R_j = \frac{R_j}{N} = \frac{0.72159}{5} = 0.1443$$

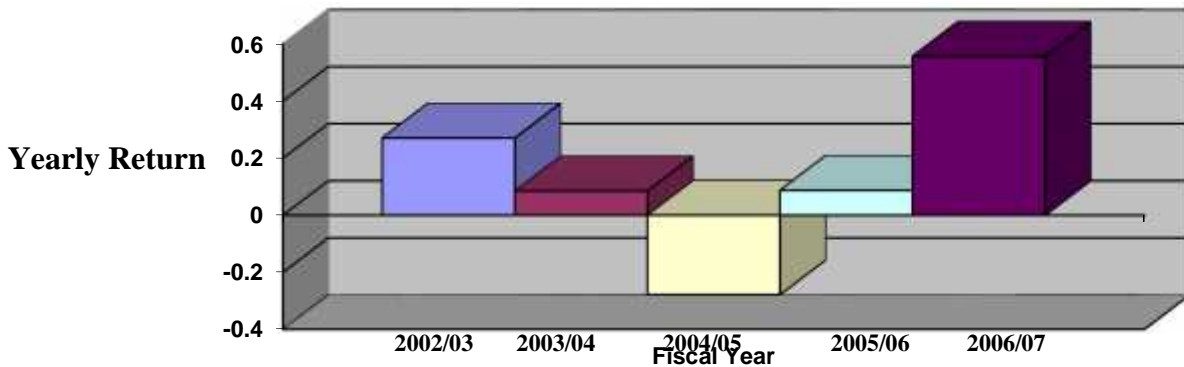
Standard Deviation (σ_j) is calculated as below:

$$\sigma_j = \sqrt{(R_j - R_j)^2 / N - 1} = \sqrt{0.37142 / 5 - 1} = 0.1524$$

Coefficient of Variation (CV) is calculated as below:

$$CV_j = \frac{\sigma_j}{R_j} = \frac{0.1524}{0.1443} = 1.056$$

Figure: 4.8
Yearly Return on Common Stock of KFL



The range of annual return on the common stock of KFL is found negative in the year 04/05 and in the rest of the year it is positive. The highest return is 55.71 percent in the year 06/07. From the above data expected return is 14.43 percent. The total risk of KFL i.e. standard deviation is 0.1524 and the relative measure of dispersion based on standard deviation i.e. CV is found to be 1.056 which means for earning one unit of return the investors has to bear 1.056 unit of risk.

4.3.2 Internal Security Comparison

In this section, the comparison between different securities taken as a sample for this study is compared. The comparison is made in terms of expected return, standard deviation and the coefficient of variation.

Table: 4.29
Expected Return, Standard Deviation and Coefficient of
Variance of Selected Companies

Securities	Expected Return	Standard Deviation	Coefficient of Variance
NABIL	0.5839	0.2220	0.3802
HBL	0.3493	0.1071	0.3066
NIB	0.3985	0.2090	0.5245
SCB	0.4157	0.1220	0.2936
UFL	0.5374	0.3154	0.5869
NIDC	0.4770	0.4239	0.8887
SMN	0.35132	0.3034	0.8636
KFL	0.1443	0.1524	1.056

In the above table, the expected return of NABIL has maximum and minimum of KFL. From the return point of view, investors should invest their money to buy securities of NABIL. If we analyze the risk of sample companies, NIDC has highest risk whereas HBL has lowest risk. From the risk point of view, it is better to invest in securities of HBL. In sum, if investor has a desire to invest their money by analyzing both risk and return then they should go for SCB because SCB has low coefficient of variation comparing to other sample companies.

4.3.3 Analysis of Market Index

In this section, overall return of market is computed on the basis of closing NEPSE index.

Table: 4.30
Computation of market return based on closing NEPSE
INDEX

Year	NEPSE INDEX	Market Return (R _m)	R _m -R _m	(R _m -R _m) ²
01/02	185.61			
02/03	176.31	-0.050	-0.2166	0.0469
03/04	163.35	-0.074	-0.2406	0.0579
04/05	216.92	0.328	0.1614	0.0260
05/06	360.70	0.663	0.4964	0.2464
06/07	348.43	-0.034	-0.2006	0.0402
Average Market Return		0.1660		
Market Standard Deviation		0.3230		
Coefficient of Variance		1.94		

(Sources: Annual report of

SEBON)

The trend of market return shows that at the first two years the overall market return is negative for the year 02/03 and 03/04 and the market return for the year 04/05 increased significantly to 32.80 percent and it again increased to 66.30 percent in the year 05/06. The overall market return again decreased on year 06/07 by 3.4 percent significantly. The trend shows that the market return is very fluctuating. From the market return of six year, the expected return on market is calculated as 16.66 percent and the standard deviation is found as 0.3230. By relating the market return with the market standard deviation, market CV i.e. risks per unit of return is calculated as 1.94. Hence in the market as a whole, for 100 percent return, the risk shall be more than one times i.e. 1.94 percent.

4.3.4 Comparison of Individual Securities Return with Market Return

In this section, the comparison of individual stock return with market return is presented. The market return, calculated on the basis of closing market index is used in this section.

Table: 4.31

Comparison of Individual Securities with Market Return

Securities	Expected Return	Standard Deviation	Coefficient of Variance
NABIL	0.5839	0.2220	0.3802
HBL	0.3493	0.1071	0.3066
NIB	0.3985	0.2090	0.5245
SCB	0.4157	0.1220	0.2936
UFL	0.5374	0.3154	0.5869
NIDC	0.4770	0.4239	0.8887
SMN	0.35132	0.3034	0.8636
KFL	0.1443	0.1524	1.056
Market Return	0.166	0.3230	1.94

(Source: Annual report

of SEBON)

In the above table, the expected return of NABIL has maximum i.e. 58.39 percent and minimum of KFL i.e. 14.43 percent respect to other sample companies which is lower than the market return i.e. 16.60 percent. All the sample companies have higher return in comparison to market return except KFL.

As there is high return of NABIL among all those companies, there is high risk for the investors to invest their money. HBL has the low standard deviation among the all sample companies so by considering the risk factor investing in HBL is appropriate for the investors.

The coefficient of variation of the market is determined as 1.94, which indicates that there are 1.94 units of risk in order to get, earn 1 more unit of return. KFL has higher CV respect to other sample companies while SCB has the lower among all.

4.4 Major Findings of this Study

The study was based mainly on primary data, collected by using questionnaire. In addition, secondary data have also been used to full fill the objectives of this research. Some of the major findings of this analysis from both primary and secondary data are summarized and presented as follows:

- Most of the investors are found investing for price appreciation than earning from dividend; some investors also invest for the increment of their social status.
- Most of the investors like to invest in banking sector. They believe that the share price of banking sector always rises. Finance and Insurance sector is their second priority. As not performing well in the market they are less interested to invest in manufacturing, Trading and other sectors.
- Most of the investors think Net worth as an important factor affecting MPS than EPS, DPS and Company Goodwill. They also believe EPS as a main factor affecting stock return than MPS, Net worth and Company Goodwill.
- Investors give prefers in fixed deposit and the real estate rather than securities. They feel more safe in these two alternative than that of securities. Although securities is more preferred alternative than the Bullion by the investors.
- Investors perceived as a successful company which declares bonus and right shares. The declaration of dividend is the next important measuring rod of company's performance by the investors.

- Before investing in primary market i.e. in IPO, investors consider “Sector of the investment” as a factor that drives them to the market. They consider “capital structure” of the company at last after the “founder and management” and “future plan”.
- Before investing in securities of the secondary market, investors consider first that the security is from which sector. The future DPS which is the return of the investment is given last preference for consideration after MPS and the Goodwill of the company.
- Only 35 percent investors consider risk as manageable factor, 31.25 percent investors think risk as an unknown factor where as 30 percent think predictable and rest 3.75 percent think as a known factor of investment.
- Most of the investors do not want to take high risk. 55 percent investors prefer to take moderate risk with moderate return. 37.5 percent want high return with high risk and only 7.5 percent investor’s want low return with low risk.
- Major portion of the investors i.e. 41.25 percent consult their friend before making investment. 26.25 percent investors consult brokers, 18.75 percent investors make their decision themselves and only 13.75 percent investors consult professionals for making their investment sound enough.
- Most of the investors’ i.e. 45 percent are informed through newspaper. 28.75 percent investors are informed brokers, 20 percent from their friends and rest 6.25 percent investors informed through electric media.
- Investors do not want to participate in AGM regularly. Only 45 percent investors participate regularly in AGM. 30 percent investors participate some times, 15 percent investors participate by proxy and rest 10 percent investors do not participate in AGM.

- Investors do not want to retain the stock if the trend of market price is increasing or decreasing. Most of the investors prefer to sell the stock if the trend of market price is increasing and or decreasing.
- Most of the investors think information printed in prospectus as more optimistic and false statement. Only 16.25 percent investors believe the information printed in prospectus as a true presentation.
- The existing rules and regulations of stock market is not satisfactory as per response of 46.25 percent investors. 32.50 percent investors think it is a satisfactory and 21.25 percent thinks as an adequate.
- About 45 percent investors perceived management attitudes towards them as poor. 38.75 percent investors perceived as satisfactory and only 16.25 percent have positive response to the management.
- Most of the investors want their more number of representations on board to protect their interest. They give second priority to regular flows of information whereas awareness program by government authorities and increased shareholders activism is on third and last priority given by them to secure their interest in stock market.
- Major portion of the investors are not satisfied with the current performance of stock market. 53.75 percent investor thinks the current performance of stock market as poor performance. 41.25 percent investors think it is a satisfactory whereas only 5 percent investors think the current performance as an excellent one.
- From the analysis of secondary data, the expected return of NABIL is found highest i.e. 58.39 percent among all securities. The expected return of KFL is lower among all sample companies and the expected return of market is found 16.60 percent.
- The measurement of total risk i.e. is highest in the stock of NIDC and it is also highest in the all sample companies hence it is more risky

than others. The standard deviation of HBL is lower than all. The standard deviation of market is found 0.3230.

- The relative measurement of risk with return i.e. CV is 1.056 of KFL which is maximum among all sample companies while 0.2936 of SCB is lower among all. The CV of market is higher i.e.1.94.

Investors fears on decrement of the stock price when it is in increasing trend, hence they want to sell the stocks and when there is decreasing trend of MPS of stocks, they predict market price further decrease and want to sell the stock. Most of the investors want to invest in moderate level of risk with moderate return. Investors thinking about risk, analyzing the investment before and their consultation habit with experts and professionals is not satisfactory. Investing with out analyzing and taking expert's opinion may increase the risk.

CHAPTER-V

SUMMARY, CONCLUSION AND RECOMMENDATION

In this chapter summary and conclusions of this study as well as recommendations are presented separately. After completion of research work this chapter has to be presented. So this chapter is the final body of this research. It contains summarize description of the research. Beside it in this part conclusion drawn from this research and the recommendations to correct some aspects to improve the position of the Nepalese stock market is also presented.

5.1 Summary

Performance of this study is based on investor's awareness in security market of Nepal which is targeted to the various objectives. The first objective was to know the present transaction system of stock market. Similarly, second objective of this research was to examine whether the investors are fully aware or not in the share trading system. Third objective of this research was to analyze and evaluate the risk and return of common stock of some selected banking and finance companies. Finally the last objective was to give suggestion and recommendation to the concern persons and office.

5.2 Conclusion

In this research it has been found that investors are giving more priority to banking sector for investment which is not satisfactory .In the context of our country investors are making their investment decision without having proper knowledge about their investment sector. Investment without knowledge about capital structure, founder and management and future plan of the company may leads the investment towards the wrong way and there will be greater probability of suffering loss. There is high chance of

exploitations of the investors by the market intermediaries, as the awareness of investors about the rules and regulations on the behalf of them is not satisfactory. Due to the high degree of dissatisfaction to the rules and regulations among investors, it is concluded that the existing rules and regulations are not appropriate and in favor of investors.

Most of the investors are not satisfied with the management attitudes towards them and thus it is concluded that the current attitudes towards public share holders is not appropriate. They are not agreeing with the current performance of stock market and thus stock market performance is not adequate as it would be. Most of the investors prefer to invest in the banking sector. They do not like to invest in other sector because of their lack of sufficient knowledge. Most of the investors are buying shares of banking sectors only and making portfolios from the same sector. But investing in the same shares of same industry can not reduce risk as they correlate positively.

Since both the quality of information available to the investors and their rationality is low, they have very little knowledge of trading procedures, price formation mechanism and risk diversification. The lack of investor's education training and research has made capital market least prioritized sector of the state. Most of the investors in Nepalese capital market do not believe on statement published on prospectus by the company before going to public. Despite this fact they put their application for higher price in future. There is prevalent belief that buying share is a sure shot way of making profit. They do not think the decrement of share price from its par value. The rumor and whim is highly responsible in influencing the decision of the investors in share investment. Rather than analyzing to find out whether the company is worthwhile or not, they run behind the rumors and whim of the market.

5.3 Recommendations

After this research there is no doubt that the level of awareness of investors in Nepalese capital market is quite low. It is thus necessary to increase the level of awareness of individual investors towards various aspects of capital market. Based on the finding of the study, the following recommendations have been made.

- a) Investors should raise their voices and complain about the information to analyze companies' performance and forecast price.
- b) The transparency and openness of transactions, quality of professional service and improved legal regulatory and supervisory frameworks are the urgent needs to build up the confidence of the potential investors in Nepalese capital market. This requires an integral plan of action not piecemeal effort.
- c) Policy should be adopted to attract the investors towards the secondary market to mobilize high liquidity of market.
- d) Investors should make a proper analysis or consultation with experts before selling or purchasing the securities. NEPSE and SEBO/N should manage the sufficient, updated and relevant information about the listed companies that would help the investors in their investment decision making.
- e) Investors should be aware about the rules and regulation and the function of stock exchange and capital market to protect them from being exploited. The rules and regulation should be timely updated and its implementation should be effective.
- f) Policy should be adopted to reduce the exploitation of the investors by the market intermediaries and to stop manipulation practices. Effective measure should also be taken to make the market more efficient.

- g) Investors should be adopted to reduce the exploitation of the investors by the market intermediaries and to stop manipulation practices. Effective measure should also be taken to make the market more efficient.
- h) Investor should analyze the financial performance of the company, its current position and future plans before investing in its securities. This is one game where self-knowledge, superior forecasting ability, and should understanding about the information can give a winning edge to the investor.
- i) Although SEBO/N has been trying to enhance the understanding of the existing stock investors and the potential investors by disseminating the information using various media and its own publications, it is not enough and satisfactory. Investors outside Kathmandu valley are facing various difficulties in getting information regarding securities market. So it should make necessary arrangements to increase the participation of investors outside of Kathmandu valley.
- j) As investors are less informed and less aware there will be greater chance of exploitation. In this regard, suitable packages of information for investor's should be developed and awareness program should be launched through different media.
- k) To protect investor's interest on capital market, the government should promulgate the suitable policies. The amendment of concerned act and its regulations should be made.
- l) Market professionalism should be developed. Research on emerging issues on capital market should be conducted. Programs should be launched to educate investors. There should be effective contribution of public companies on investor's awareness program.

- m) Investors should consult brokers and professionals before making investment decision. Investors should change their perception about banking sector as an always profitable one. They must search other sectors that can provide high return with low risk. Brokers and professional services on stock market should be expanded.
- n) Grievance handling mechanism of investors should be developed. Management should give high attention to satisfy their investors. They should preserve the interest of minorities.
- o) Investors should invest by making portfolio of different sectors to minimize risk and maximize return. Portfolio should be constructed on negatively correlated assets to reduce significant level of risk.
- p) Informed and well aware investors are the back bone for the development of capital market. They should define their priorities themselves. Every investor should read journals and newspapers as well as there publications related to stock market issues of different organization. They should keep record of daily stock price and trading volume published by NEPSE.
- q) In the age of modern developed technology, the trading system of NEPSE needs to be modernized. It needs to develop efficient and effective information channel to provide updated data and related information. NEPSE needs to initiate different programs for investor's education through investor's meetings and seminars in different subject matters of stock market.
- r) As a main regulatory body SEBO/N needs to take quick action against breaking rules and regulatory by any company or any other components of stock markets. Situation of getting benefit in breaking rules and regulation should be avoided. SEBO/N should examine the company's performance before giving approval to issue shares to the general public. Presentation of fake information and artificial data

should be controlled and that should be punished to protect investors from exploitation.

- s) Investment in corporate sector should be encouraged and their shares should be listed in the NEPSE.

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Appendix

Appendix- 1.a

Response about Investors' Objective on Stock Investment

S.N	Alternative s	Rank wise no. of Response			Total Respon se	Weight ed Value	Mean Weig ht	Over all Rank
		1	2	3				
1	For Dividend	22	49	9	80	147	1.83	2
2	For Price Appreciatio n	54	19	7	80	113	1.41	1
3	For Social Status	4	10	66	80	222	2.77	3

Note: Alternative having the lowest mean weight is the most important.

Appendix- 1.b

Response about Sectoral Preference of Investors

S.N	Alternative s	Rank wise no of Response				Total Respons e	Weighte d Value	Mean Weigh t	Overall Rank
		1	2	3	4				
1	Banking	5 6	2 1	3	0	80	107	1.33	1
2	Finance & Insurance	2 0	5 0	8	2	80	152	1.90	2
3	Manfg. & Trading	4	6	6 0	1 0	80	236	2.95	3
4	Others	0	3	9	6 8	80	305	3.81	4

Note: Alternative having the lowest mean weight is the most important.

Appendix- 1.c
Response about Factor Affecting MPS of Stock

S.N	Alternative	Rank wise no of Response				Total Responses	Weighted Value	Mean Weight	Overall Rank
		1	2	3	4				
1	EPS	22	25	28	5	80	176	2.20	2
2	DPS	15	18	35	12	80	204	2.55	3
3	Net Worth	35	26	11	8	80	152	1.90	1
4	Company's Goodwill	8	11	65	55	80	268	3.35	4

Note: Alternative having the lowest mean weight is the most important.

Appendix- 1.d
Response about Factor Affecting Stock Return

S.N	Alternative	Rank wise no of Response				Total Responses	Weighted Value	Mean Weight	Overall Rank
		1	2	3	4				
1	EPS	33	25	12	10	80	159	1.98	1
2	DPS	22	26	28	4	80	174	2.17	2
3	Net Worth	16	18	30	16	80	206	2.57	3
4	Company's Goodwill	9	11	10	50	80	261	3.26	4

Note: Alternative having the lowest mean weight is the most important.

Appendix- 1.e
Response about Factor Affecting Stock Return

S.N	Alternative	Rank wise no of Response				Total Responses	Weighted Value	Mean Weight	Overall Rank
		1	2	3	4				
1	Securities	18	20	23	19	80	203	2.53	3

2	Real State	2 2	2 2	2 7	9	80	183	2.29	2
3	Bullion	1 0	1 2	1 3	4 5	80	253	3.16	4
4	Company's Goodwill	3 0	2 6	1 7	7	80	161	2.01	1

Note: Alternative having the lowest mean weight is the most important.

Appendix- 1.f
Response about Preferred Factor for Measuring Company's Performance

S.N	Alternative s	Rank wise no of Response				Total Respons e	Weighte d Value	Mean Weigh t	Overall Rank
		1	2	3	4				
1	Issue of Bonus & Right Share	1 2	5	2 5	3 8	80	249	3.112	3
2	Declaration of Dividend	2 7	3 1	1 4	8	80	163	2.03	2
3	Timely AGM	3 8	3 0	1 2	0	80	134	1.67	1
4	Systematic Flows of Information	3	1 4	2 9	3 4	80	254	3.17	4

Note: Alternative having the lowest mean weight is the most important.

Appendix- 1.g
Response about Driving Factors for Investor's to Primary Market

S.N	Alternative s	Rank wise no of Response				Total Respons e	Weighte d Value	Mean Weigh t	Overall Rank
		1	2	3	4				
1	Capital Structure	1 1	1 3	1 9	3 7	80	242	3.02	4
2	Future Plans	1 5	2 3	2 7	1 5	80	202	2.52	3
3	Sector	3 2	2 7	1 2	9	80	158	1.97	1
4	Founder & Management	2 2	1 7	2 2	1 9	80	198	2.47	2

Note: Alternative having the lowest mean weight is the most important.

Appendix- 1.h
Response about Preferred Factor for Measuring Company's Performance

S.N	Alternatives	Rank wise no of Response				Total Response	Weighted Value	Mean Weight	Overall Rank
		1	2	3	4				
1	MPS	2 2	2 4	2 1	1 3	80	185	2.31	2
2	DPS	1 1	1 3	2 2	3 4	80	239	2.98	4
3	Company's Goodwill	1 4	1 6	2 5	2 5	80	221	2.76	3
4	Sector	3 3	2 7	1 2	8	80	155	1.93	1

Note: Alternative having the lowest mean weight is the most important.

Appendix- 1.i
Response about Protection of Interest in Stock Market

S.N	Alternatives	Rank wise no of Response				Total Response	Weighted Value	Mean Weight	Overall Rank
		1	2	3	4				
1	More Representation of Public on Board	3 6	2 2	1 3	9	80	155	1.93	1
2	Regular Flows of Information	2 2	2 3	1 9	1 6	80	189	2.36	2
3	Investors Awareness Program by Govt. Authorities	1 5	2 7	2 6	1 2	80	195	2.43	3
4	Increased Shareholders Activism	7	8	2 2	4 3	80	218	2.72	4

Note: Alternative having the lowest mean weight is the most important.