

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT

I
J
R
C
M



A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories

Indexed & Listed at:

Ulrich's Periodicals Directory ©, ProQuest, U.S.A., EBSCO Publishing, U.S.A., Cabell's Directories of Publishing Opportunities, U.S.A.,

Open J-Gate, India [link of the same is duly available at Infilbnet of University Grants Commission (U.G.C.)],

The American Economic Association's electronic bibliography, EconLit, U.S.A.,

Index Copernicus Publishers Panel, Poland with IC Value of 5.09 & number of libraries all around the world.

Circulated all over the world & Google has verified that scholars of more than 3480 Cities in 174 countries/territories are visiting our journal on regular basis.

Ground Floor, Building No. 1041-C-1, Devi Bhawan Bazar, JAGADHRI – 135 003, Yamunanagar, Haryana, INDIA

<http://ijrcm.org.in/>

CONTENTS

Sr. No.	TITLE & NAME OF THE AUTHOR (S)	Page No.
1.	WOMEN IN LOCAL GOVERNANCE: A STUDY OF PRIS IN GANJAM DISTRICT <i>DR. URMALA DAS & SARBANI SANKAR PANIGRAHI</i>	1
2.	MICRO-CREDIT THROUGH REGIONAL RURAL BANKS (RRBs)-A CASE STUDY OF SAPTAGIRI GRAMEENA BANK WITH FOCUS ON CHITTOOR DISTRICT <i>K. RAMANAMMA & DR. P. MOHAN REDDY</i>	6
3.	ROLE OF PUBLIC PRIVATE PARTNERSHIP IN URBAN INFRASTRUCTURE: A CASE STUDY ON WEST BENGAL STATE IN INDIA <i>DR. MANAS CHAKRABARTI</i>	10
4.	INNOVATIONS AND TECHNOLOGY TRANSFER AS SOURCES OF EMPLOYMENT STRUCTURE TRANSFORMATION BASED ON THE EXAMPLE OF THE VOLVO GROUP <i>DR. JOANNA PRYSTROM & DR. KATARZYNA WIERZBICKA</i>	16
5.	A FACTOR ANALYSIS OF PRODUCT ELEMENTS FOR CONSUMER BUYING PATTERN OF MALE GROOMING PRODUCTS IN SURAT CITY <i>TANVI B. BHALALA & GAUTAM DUA</i>	24
6.	RISK MANAGEMENT IN THE BANKS: AN ANALYSIS <i>KAJLEEN KAUR</i>	29
7.	PASSENGER EXPECTATIONS ON DOMESTIC AIRLINE SERVICES: AN ANALYSIS <i>DR. P. BABY</i>	39
8.	INNOVATIVE LEARNING PEDAGOGY IN BUSINESS SCHOOLS <i>RESHMA K. TIWARI</i>	44
9.	APPRAISAL OF INDIA'S LUXURY MARKET <i>AAKRITI CHAUDHRY</i>	48
10.	ROLE OF MICRO FINANCE IN OVERALL DEVELOPMENT OF SHGs <i>DR. K. EKAMBARAM & DR. JMJ.VINODINI</i>	53
11.	CUSTOMERS PERCEPTION TOWARDS HOUSING LOAN: A STUDY WITH REFERENCE TO STATE BANK OF INDIA IN MAYILADUTHURAI TOWN <i>DR. K. KALIDOSS & A. RAVIKUMAR</i>	62
12.	A COMPARATIVE STUDY OF RISK AND RETURN: A CASE STUDY WITH REFERENCE TO IT, TELECOM & AUTO SECTOR COMPANIES <i>NEERAJ GUPTA & DR. DEEPIKA SINGH TOMAR</i>	65
13.	PERFORMANCE OF LAND PURCHASE PROGRAMME IN KARNATAKA: WITH SPECIAL REFERENCE TO SC's AND ST's <i>DR. RAJAMMA .N</i>	72
14.	GLOBALISATION AND RURAL WOMEN IN INDIA: A CRITICAL EVALUATION <i>ABDUL SAAD KHAN & MOHAMMAD ZIA</i>	75
15.	WEBSITE USAGE FOR IMPROVED GREEN MARKETING COMMUNICATION <i>PRASHANT KUMAR</i>	77
	REQUEST FOR FEEDBACK & DISCLAIMER	83

CHIEF PATRON

PROF. K. K. AGGARWAL

Chairman, Malaviya National Institute of Technology, Jaipur
(An institute of National Importance & fully funded by Ministry of Human Resource Development, Government of India)
Chancellor, K. R. Mangalam University, Gurgaon
Chancellor, Lingaya's University, Faridabad
Founder Vice-Chancellor (1998-2008), Guru Gobind Singh Indraprastha University, Delhi
Ex. Pro Vice-Chancellor, Guru Jambheshwar University, Hisar

FOUNDER PATRON

LATE SH. RAM BHAJAN AGGARWAL

Former State Minister for Home & Tourism, Government of Haryana
Former Vice-President, Dadri Education Society, Charkhi Dadri
Former President, Chinar Syntex Ltd. (Textile Mills), Bhiwani

CO-ORDINATOR

DR. BHAVET

Faculty, Shree Ram Institute of Business & Management, Urjani

ADVISORS

DR. PRIYA RANJAN TRIVEDI

Chancellor, The Global Open University, Nagaland

PROF. M. S. SENAM RAJU

Director A. C. D., School of Management Studies, I.G.N.O.U., New Delhi

PROF. M. N. SHARMA

Chairman, M.B.A., Haryana College of Technology & Management, Kaithal

PROF. S. L. MAHANDRU

Principal (Retd.), Maharaja Agrasen College, Jagadhri

EDITOR

PROF. R. K. SHARMA

Professor, Bharti Vidyapeeth University Institute of Management & Research, New Delhi

CO-EDITOR

DR. SAMBHAV GARG

Faculty, Shree Ram Institute of Business & Management, Urjani

EDITORIAL ADVISORY BOARD

DR. RAJESH MODI

Faculty, Yanbu Industrial College, Kingdom of Saudi Arabia

PROF. SIKANDER KUMAR

Chairman, Department of Economics, Himachal Pradesh University, Shimla, Himachal Pradesh

PROF. SANJIV MITTAL

University School of Management Studies, Guru Gobind Singh I. P. University, Delhi

PROF. RAJENDER GUPTA

Convener, Board of Studies in Economics, University of Jammu, Jammu

PROF. NAWAB ALI KHAN

Department of Commerce, Aligarh Muslim University, Aligarh, U.P.

PROF. S. P. TIWARI

Head, Department of Economics & Rural Development, Dr. Ram Manohar Lohia Avadh University, Faizabad

DR. ANIL CHANDHOK

Professor, Faculty of Management, Maharishi Markandeshwar University, Mullana, Ambala, Haryana

DR. ASHOK KUMAR CHAUHAN

Reader, Department of Economics, Kurukshetra University, Kurukshetra

DR. SAMBHAVNA

Faculty, I.I.T.M., Delhi

DR. MOHENDER KUMAR GUPTA

Associate Professor, P.J.L.N. Government College, Faridabad

DR. VIVEK CHAWLA

Associate Professor, Kurukshetra University, Kurukshetra

DR. SHIVAKUMAR DEENE

Asst. Professor, Dept. of Commerce, School of Business Studies, Central University of Karnataka, Gulbarga

ASSOCIATE EDITORS

PROF. ABHAY BANSAL

Head, Department of Information Technology, Amity School of Engineering & Technology, Amity University, Noida

PARVEEN KHURANA

Associate Professor, Mukand Lal National College, Yamuna Nagar

SHASHI KHURANA

Associate Professor, S.M.S. Khalsa Lubana Girls College, Barara, Ambala

SUNIL KUMAR KARWASRA

Principal, Aakash College of Education, ChanderKalan, Tohana, Fatehabad

DR. VIKAS CHOUDHARY

Asst. Professor, N.I.T. (University), Kurukshetra

TECHNICAL ADVISOR

AMITA

Faculty, Government M. S., Mohali

FINANCIAL ADVISORS

DICKIN GOYAL

Advocate & Tax Adviser, Panchkula

NEENA

Investment Consultant, Chambaghat, Solan, Himachal Pradesh

LEGAL ADVISORS

JITENDER S. CHAHAL

Advocate, Punjab & Haryana High Court, Chandigarh U.T.

CHANDER BHUSHAN SHARMA

Advocate & Consultant, District Courts, Yamunanagar at Jagadhri

SUPERINTENDENT

SURENDER KUMAR POONIA

CALL FOR MANUSCRIPTS

We invite unpublished novel, original, empirical and high quality research work pertaining to recent developments & practices in the areas of Computer Science & Applications; Commerce; Business; Finance; Marketing; Human Resource Management; General Management; Banking; Economics; Tourism Administration & Management; Education; Law; Library & Information Science; Defence & Strategic Studies; Electronic Science; Corporate Governance; Industrial Relations; and emerging paradigms in allied subjects like Accounting; Accounting Information Systems; Accounting Theory & Practice; Auditing; Behavioral Accounting; Behavioral Economics; Corporate Finance; Cost Accounting; Econometrics; Economic Development; Economic History; Financial Institutions & Markets; Financial Services; Fiscal Policy; Government & Non Profit Accounting; Industrial Organization; International Economics & Trade; International Finance; Macro Economics; Micro Economics; Rural Economics; Co-operation; Demography; Development Planning; Development Studies; Applied Economics; Development Economics; Business Economics; Monetary Policy; Public Policy Economics; Real Estate; Regional Economics; Political Science; Continuing Education; Labour Welfare; Philosophy; Psychology; Sociology; Tax Accounting; Advertising & Promotion Management; Management Information Systems (MIS); Business Law; Public Responsibility & Ethics; Communication; Direct Marketing; E-Commerce; Global Business; Health Care Administration; Labour Relations & Human Resource Management; Marketing Research; Marketing Theory & Applications; Non-Profit Organizations; Office Administration/Management; Operations Research/Statistics; Organizational Behavior & Theory; Organizational Development; Production/Operations; International Relations; Human Rights & Duties; Public Administration; Population Studies; Purchasing/Materials Management; Retailing; Sales/Selling; Services; Small Business Entrepreneurship; Strategic Management Policy; Technology/Innovation; Tourism & Hospitality; Transportation Distribution; Algorithms; Artificial Intelligence; Compilers & Translation; Computer Aided Design (CAD); Computer Aided Manufacturing; Computer Graphics; Computer Organization & Architecture; Database Structures & Systems; Discrete Structures; Internet; Management Information Systems; Modeling & Simulation; Neural Systems/Neural Networks; Numerical Analysis/Scientific Computing; Object Oriented Programming; Operating Systems; Programming Languages; Robotics; Symbolic & Formal Logic; Web Design and emerging paradigms in allied subjects.

Anybody can submit the **soft copy** of unpublished novel; original; empirical and high quality **research work/manuscript anytime** in ***M.S. Word format*** after preparing the same as per our **GUIDELINES FOR SUBMISSION**; at our email address i.e. infoijrcm@gmail.com or online by clicking the link **online submission** as given on our website ([FOR ONLINE SUBMISSION, CLICK HERE](#)).

GUIDELINES FOR SUBMISSION OF MANUSCRIPT

1. **COVERING LETTER FOR SUBMISSION:**

DATED: _____

THE EDITOR
IJRCM

Subject: SUBMISSION OF MANUSCRIPT IN THE AREA OF.

(e.g. Finance/Marketing/HRM/General Management/Economics/Psychology/Law/Computer/IT/Engineering/Mathematics/other, please specify)

DEAR SIR/MADAM

Please find my submission of manuscript entitled ' _____ ' for possible publication in your journals.

I hereby affirm that the contents of this manuscript are original. Furthermore, it has neither been published elsewhere in any language fully or partly, nor is it under review for publication elsewhere.

I affirm that all the author (s) have seen and agreed to the submitted version of the manuscript and their inclusion of name (s) as co-author (s).

Also, if my/our manuscript is accepted, I/We agree to comply with the formalities as given on the website of the journal & you are free to publish our contribution in any of your journals.

NAME OF CORRESPONDING AUTHOR:

Designation:
Affiliation with full address, contact numbers & Pin Code:
Residential address with Pin Code:
Mobile Number (s):
Landline Number (s):
E-mail Address:
Alternate E-mail Address:

NOTES:

- a) The whole manuscript is required to be in **ONE MS WORD FILE** only (pdf. version is liable to be rejected without any consideration), which will start from the covering letter, inside the manuscript.
- b) The sender is required to mention the following in the **SUBJECT COLUMN** of the mail:
New Manuscript for Review in the area of (Finance/Marketing/HRM/General Management/Economics/Psychology/Law/Computer/IT/Engineering/Mathematics/other, please specify)
- c) There is no need to give any text in the body of mail, except the cases where the author wishes to give any specific message w.r.t. to the manuscript.
- d) The total size of the file containing the manuscript is required to be below **500 KB**.
- e) Abstract alone will not be considered for review, and the author is required to submit the complete manuscript in the first instance.
- f) The journal gives acknowledgement w.r.t. the receipt of every email and in case of non-receipt of acknowledgment from the journal, w.r.t. the submission of manuscript, within two days of submission, the corresponding author is required to demand for the same by sending separate mail to the journal.

2. **MANUSCRIPT TITLE:** The title of the paper should be in a 12 point Calibri Font. It should be bold typed, centered and fully capitalised.

3. **AUTHOR NAME (S) & AFFILIATIONS:** The author (s) **full name, designation, affiliation (s), address, mobile/landline numbers, and email/alternate email address** should be in italic & 11-point Calibri Font. It must be centered underneath the title.

4. **ABSTRACT:** Abstract should be in fully italicized text, not exceeding 250 words. The abstract must be informative and explain the background, aims, methods, results & conclusion in a single para. Abbreviations must be mentioned in full.

5. **KEYWORDS:** Abstract must be followed by a list of keywords, subject to the maximum of five. These should be arranged in alphabetic order separated by commas and full stops at the end.
6. **MANUSCRIPT:** Manuscript must be in **BRITISH ENGLISH** prepared on a standard A4 size **PORTRAIT SETTING PAPER**. It must be prepared on a single space and single column with 1" margin set for top, bottom, left and right. It should be typed in 8 point Calibri Font with page numbers at the bottom and centre of every page. It should be free from grammatical, spelling and punctuation errors and must be thoroughly edited.
7. **HEADINGS:** All the headings should be in a 10 point Calibri Font. These must be bold-faced, aligned left and fully capitalised. Leave a blank line before each heading.
8. **SUB-HEADINGS:** All the sub-headings should be in a 8 point Calibri Font. These must be bold-faced, aligned left and fully capitalised.
9. **MAIN TEXT:** The main text should follow the following sequence:

INTRODUCTION**REVIEW OF LITERATURE****NEED/IMPORTANCE OF THE STUDY****STATEMENT OF THE PROBLEM****OBJECTIVES****HYPOTHESES****RESEARCH METHODOLOGY****RESULTS & DISCUSSION****FINDINGS****RECOMMENDATIONS/SUGGESTIONS****CONCLUSIONS****SCOPE FOR FURTHER RESEARCH****ACKNOWLEDGMENTS****REFERENCES****APPENDIX/ANNEXURE**

It should be in a 8 point Calibri Font, single spaced and justified. The manuscript should preferably not exceed **5000 WORDS**.

10. **FIGURES & TABLES:** These should be simple, crystal clear, centered, separately numbered & self explained, and **titles must be above the table/figure. Sources of data should be mentioned below the table/figure.** It should be ensured that the tables/figures are referred to from the main text.
11. **EQUATIONS:** These should be consecutively numbered in parentheses, horizontally centered with equation number placed at the right.
12. **REFERENCES:** The list of all references should be alphabetically arranged. The author (s) should mention only the actually utilised references in the preparation of manuscript and they are supposed to follow **Harvard Style of Referencing**. The author (s) are supposed to follow the references as per the following:
 - All works cited in the text (including sources for tables and figures) should be listed alphabetically.
 - Use (ed.) for one editor, and (ed.s) for multiple editors.
 - When listing two or more works by one author, use --- (20xx), such as after Kohl (1997), use --- (2001), etc, in chronologically ascending order.
 - Indicate (opening and closing) page numbers for articles in journals and for chapters in books.
 - The title of books and journals should be in italics. Double quotation marks are used for titles of journal articles, book chapters, dissertations, reports, working papers, unpublished material, etc.
 - For titles in a language other than English, provide an English translation in parentheses.
 - The location of endnotes within the text should be indicated by superscript numbers.

PLEASE USE THE FOLLOWING FOR STYLE AND PUNCTUATION IN REFERENCES:**BOOKS**

- Bowersox, Donald J., Closs, David J., (1996), "Logistical Management." Tata McGraw, Hill, New Delhi.
- Hunker, H.L. and A.J. Wright (1963), "Factors of Industrial Location in Ohio" Ohio State University, Nigeria.

CONTRIBUTIONS TO BOOKS

- Sharma T., Kwatra, G. (2008) Effectiveness of Social Advertising: A Study of Selected Campaigns, Corporate Social Responsibility, Edited by David Crowther & Nicholas Capaldi, Ashgate Research Companion to Corporate Social Responsibility, Chapter 15, pp 287-303.

JOURNAL AND OTHER ARTICLES

- Schemenner, R.W., Huber, J.C. and Cook, R.L. (1987), "Geographic Differences and the Location of New Manufacturing Facilities," Journal of Urban Economics, Vol. 21, No. 1, pp. 83-104.

CONFERENCE PAPERS

- Garg, Sambhav (2011): "Business Ethics" Paper presented at the Annual International Conference for the All India Management Association, New Delhi, India, 19-22 June.

UNPUBLISHED DISSERTATIONS AND THESES

- Kumar S. (2011): "Customer Value: A Comparative Study of Rural and Urban Customers," Thesis, Kurukshetra University, Kurukshetra.

ONLINE RESOURCES

- Always indicate the date that the source was accessed, as online resources are frequently updated or removed.

WEBSITES

- Garg, Bhavet (2011): Towards a New Natural Gas Policy, Political Weekly, Viewed on January 01, 2012 <http://epw.in/user/viewabstract.jsp>

A COMPARATIVE STUDY OF RISK AND RETURN: A CASE STUDY WITH REFERENCE TO IT, TELECOM & AUTO SECTOR COMPANIES

NEERAJ GUPTA
LECTURER
AMITY BUSINESS SCHOOL
AMITY UNIVERSITY
GWALIOR

DR. DEEPIKA SINGH TOMAR
LECTURER
AMITY BUSINESS SCHOOL
AMITY UNIVERSITY
GWALIOR

ABSTRACT

The objective of maximizing return can be obtained when one incurs higher risk before selecting a firm for investment, risk involves in the particular security and the return potential of the stock should be considered. Generally, the relationship of risk and return trade off prevails between the two companies selected from IT sector, Infosys Ltd. is highly recommended. Also, as far as the telecom sector companies under study are concerned Airtel Ltd. is better performing than Idea Cellular as Airtel is having better risk return trade off. Between the two companies of automobile industry, Bajaj is recommended in comparison with Hero Moto Corp. Based on the mean variance approach in the research it is concluded that the return of Infosys is more as compared to TCS Ltd. as well as Infosys is less risky as compared to TCS Ltd. The coefficient of variation of Infosys Ltd. is less as compared to TCS Ltd. Therefore, to invest in Infosys is highly recommended as far as IT sector is concerned. The return of AIRTEL is more as compared to IDEA CELLULAR. Also IDEA cellular is more risky than AIRTEL. The overall coefficient of variation of AIRTEL is lesser than IDEA CELLULAR. Therefore, the study reflects that as far as the telecom sector is concerned, it is better to invest in AIRTEL as compared to IDEA CELLULAR. In the given study the return of HERO MOTO CORP is less than BAJAJ Ltd. and BAJAJ Ltd. is less risky than HERO MOTO CORP also. Therefore, it is highly recommended to invest in BAJAJ Ltd as compared to HERO MOTO CORP.

KEYWORDS

Risk management, return.

INTRODUCTION

RISK

Risk is the main factor considered to determine return on the investment. Risk is the possibility that the actual return on the investment might be different from the expected return. Technically, we measure risk by using the statistical tool, standard deviation. Low risks are linked with low possible returns while high risks are linked with high possible returns. The risk return trade-off is an attempt to achieve an equilibrium between the lowest possible risk and the highest possible return.

The risk return trade-off theory is given graphically in the chart below. A higher standard deviation means a higher risk and therefore a higher possible return:

FIG. 1



There is a common misunderstanding that higher risk is always associated with higher return but it is not true. Higher risk may enhance the chances of higher return but it cannot work as a guarantee towards higher return. Just as risk means higher potential returns, it also means higher potential losses.

TYPES OF RISK

Unsystematic Risk: Company related risks due to higher costs, mismanagement, defective sales or inventory strategy, insolvency, fall in demand and company specific recession, labour problems etc.

Systematic Risk: Market related risk due to demand problems, interest rates, inflation, raw materials, import and export policy, and Tax policy etc., Business Risk, Market Risk, Financial Risk, Interest Rate Risk, and Inflation Risk etc.

THE MEASURES OF RISK FOR AN INVESTMENT ARE:

- Variance of rates of return
- Standard deviation of rates of return
- Coefficient of variation of rates of return (standard deviation/means)
- Covariance of returns with the market portfolio (beta)

The risk of an investment refers to the variability of its rate of return. How much do individual outcomes deviate from the expected value? A simple measure of dispersion is the range of values, which is simply the difference between the highest and the lowest values. Other measures commonly used in finance are as follows;

- ✓ **Variance:** This is the mean of the squares of deviations of individual returns around their average value.
- ✓ **Standard deviation:** This is the square root of variance.
- ✓ **Beta:** This reflects how volatile the return from an investment in response to market swings is.

RISK AND BETA

Risk is of two components - systematic market related risk and unsystematic risk or company specific risk. The former cannot be eliminated but managed with the help of Beta (β), which is explained as follows:

β = % age change of Scrip return / % age change of Market return

If $\beta = 1$, the risk, of the company is the same as that of the market and if $\beta > 1$, the company's risk is more than the market risk. If $\beta < 1$, the reverse is the position.

RISK MEASUREMENT

The statistical tool often used to measure and used as a proxy for risk is the standard deviation.

$$\sigma = \sqrt{\sum_{i=1}^N p (r_i - E(r))^2}$$

$$\text{Variance } (\sigma^2) = \sum_{i=1}^N p (r_i - E(r))^2$$

Here $\sigma = \sqrt{\text{Variance } (\sigma^2)}$

Where:-

P = is the probability of security
N = Number of securities in portfolio
ri = Expected return on security i

Expected Return of a Portfolio: It is the weighted average of the expected returns of the individual securities held in the portfolio. These weights are the proportions of total investable funds in each security.

$$R_p = \sum_{i=1}^n X_i R_i$$

Where:-

R_p = Expected return of portfolio
N = No. of Securities in Portfolio
X_i = Proportion of Investment in Security i.

RETURN

A major purpose of investment is to get a return or income on the funds invested. On a bond an investor expects to receive interest. On a stock, dividends may be anticipated. The investor may expect capital gains from some investments and rental income from some investments and rental income from house property. Return may take several forms.

MEASUREMENT OF RETURNS

The purpose of investment is to get a return or income on the funds invested in different financial assets. The most important characteristics of financial assets are the size and variability of their future returns. Since the return on years many methods were adopted for quantifying returns. In this study I considered only prices but not dividend in the calculation return because the investor's main motive to invest in shares is makes the profit from changes in prices of shares. That's why I calculated return from the prices of the shares only.

Return = (P₁ - P₀)/P₀ **Where:** *** P₁ = Closing price of the share,
 *** P₀ = Opening price of the share

RATE OF RETURN

The rate of return on an investment for a period (which is usually a period of one year) is defined as follows;

$$\text{Rate of return} = \frac{\text{Annual income} + (\text{Ending price} - \text{Beginning price})}{\text{Beginning price}}$$

Two companies of four different sectors have been selected for the purpose of this study. The entire four sectors have an important role as a driving force for Indian growth engine.

These sectors are information technology, Telecom and Automobile. All four sectors have a different perspective in terms of risk and return.

The companies of the above mentioned four sectors, considered here are Infosys and TCS from IT sector, Airtel and Idea Cellular from telecom sector and Hero Moto Corp and Bajaj from automobile sector.

REVIEW OF LITERATURE

Every investment is characterized by risk and return associated with it. The investment decisions of investors have great impact of these two factors.

This review of literature evidences many studies that were conducted in the field of accessing the risk and return associated with different individual firms and sectors.

Risk measurement and analysis has been a critical issue for any investment decision because risk can be transferred but cannot be eliminated from the system. The nature and degree of risk varies from industry to industry (Srivastava A, 2012).

The essence of risk in an investment is the variation in its return. This variation in returns is caused by number of factors. These factors which produce variations in the returns from an investment constitute the element of risk (Kevin S., 2012).

The study of risk and return continues to be an area of vital importance for researchers; however, the theorizing and empirical findings in this area continue to present a series of problems (Mukherji A et al., 2008).

According to Mullen and Roth (1991), "risk is the existence of states beyond the decision maker's control that affect the outcome of his or her choices. The degree of risk is a function of the size of the potential loss and the probability of that loss".

According to March, J. (1994), "For decision makers, the notion of risk is closely associated with the concept of return, and variations around a return. When considering risk, a decision is seen as a joint function of the expected value (or mean) and the riskiness (the variance) of the probability distribution over outcomes conditional on choice of a particular alternative."

According to Prajapati K.P. and Patel M.K. (2012), "As risk is commensurate with return, therefore, providing maximum return on the investment made within the acceptable associated risk level helps in segregating the better performers from the laggards."

The mean gives the expected value and the variance or standard deviation gives the variability. This widely used procedure for assessing risk is known as the mean variance approach (Kevin S., 2012).

According to Srivastava A (2012), "Risk measurement and analysis has been a critical issue for any investment decision because risk can be transferred but cannot be eliminated from the system. The nature and degree of risk varies from industry to industry."

According To Vikkraman P and Vardharajan P (2009), "The objective of maximizing return can be pursued only at the cost of incurring risk. While selecting the firm for investment, the investor has to consider both the return potential and the risk involved."

According To Vikkraman P and Vardharajan P (2009) "The security with a beta value of more than 1 for the particular year or a period is considered to be more risky than the market, and the asset with a lower than 1 beta is less risky than the market."

It is important to know the risk-return characteristics of quoted firms in the stock market to enable investors take rational investment decisions (Bello A.I. and Adedokun L.W.)

The present study offers a systematic procedure that could form a cornerstone for providing further insights on the investment made in specific industries by using mean variance approach.

RESEARCH METHODOLOGY

PERIOD OF STUDY

This study is conducted for entire one month, i.e., from January 1 to January 31, 2014.

The stock price where taken from the NSE. Stock price has been used for calculating mean return, standard deviation and coefficient of variation.

The objectives for calculating mean return, standard deviation and coefficient of variation is to help the investors to arrive at a decision of invest in the shares which offer maximum return with minimum risk and also to gain knowledge of the stock market .the findings and suggestion certainly would be help the investors.

TOOLS FOR EVALUATION: STATISTICAL TOOLS FOR EVALUATIONS

- Standard deviation (δ)(Risk)
- Variance (SD) *(SD)
- Co-efficient of variation (CV)
- Average Return.

SAMPLE SELECTION: SAMPLES SELECTED ARE LISTED IN NIFTY INDEX

Randomly two companies are selected for this study each from three selected industries.

TYPE OF COMPANY	SELECTED
INFO. TECH.	2
TELECOM.	2
AUTOMOBILE.	2

The source of data for the Research Project is mainly secondary data which was collected from the websites, documents, which were in printed forms like annual reports, pamphlets, etc.

OBJECTIVES

- To evaluate the risk of selected Equity shares.
- To evaluate the return of selected Equity shares.
- To compare the risk involved in each company of the selected sector.
- To compare the return of each company of the selected sector.
- To find out which security is better to be invested by comparing the coefficient of variation.

DATA ANALYSIS

The table given below is showing the calculations of mean return, standard deviation and coefficient of variation for TCS Ltd.

TABLE 1: TCS LTD.

Date	Open	Close	Return	X= (x-a)	X ²
31/01/14	2225.1	2241.05	0.716822	0.641228	0.411173
30/01/14	2198.05	2217.6	0.889425	0.813831	0.66232
29/01/14	2240	2209.8	-1.34821	-1.42381	2.02723
28/01/14	2232	2212.35	-0.88038	-0.95597	0.913879
27/01/14	2226	2229.6	0.161725	0.086131	0.007419
24/01/14	2244	2248.7	0.209447	0.133853	0.017917
23/01/14	2268.1	2252.45	-0.69	-0.7656	0.586142
22/01/14	2287.1	2274.05	-0.57059	-0.64619	0.417556
21/01/14	2334	2280.3	-2.30077	-2.37637	5.647112
20/01/14	2218.95	2338.2	5.374163	5.298569	28.07484
17/01/14	2298	2213.05	-3.69669	-3.77229	14.23015
16/01/14	2380	2350.3	-1.2479	-1.32349	1.751634
15/01/14	2342.45	2353.6	0.475997	0.400403	0.160323
14/01/14	2372	2326.75	-1.90767	-1.98327	3.933347
13/01/14	2285	2368.75	3.665208	3.589614	12.88533
10/1/2014	2260	2280.9	0.924779	0.849185	0.721115
9/1/2014	2228.75	2241.95	0.59226	0.516666	0.266944
8/1/2014	2212	2232.65	0.933544	0.85795	0.736079
7/1/2014	2240	2206.15	-1.51116	-1.58675	2.517791
6/1/2014	2229	2239.6	0.47555	0.399956	0.159964
3/1/2014	2164.7	2222.2	2.656257	2.580663	6.659823
2/1/2014	2166	2167	0.046168	-0.02943	0.000866
1/1/2014	2180.1	2153.3	-1.2293	-1.3049	1.702752
			1.738661		84.4917
			0.075594		3.673552
				S.D.=	1.916651
				Coefficient of Variation	25.35456

The table given below is showing the calculations of mean return, standard deviation and coefficient of variation for Infosys Ltd.

TABLE 2: INFOSYS LTD.

Date	Open	Close	Return	X= (x-a)	X ²
31/01/14	3700	3701.1	0.02973	-0.30326	0.091969
30/01/14	3703.7	3704.25	0.01485	-0.31814	0.101216
29/01/14	3666	3717.8	1.412984	1.07999	1.166379
28/01/14	3707	3675.1	-0.86053	-1.19353	1.424509
27/01/14	3720	3732.2	0.327957	-0.00504	2.54E-05
24/01/14	3765	3758.15	-0.18194	-0.51493	0.265156
23/01/14	3784.1	3792.5	0.221981	-0.11101	0.012324
22/01/14	3741.2	3765.9	0.660216	0.327222	0.107074
21/01/14	3750	3758.35	0.222667	-0.11033	0.012172
20/01/14	3712	3749.3	1.004849	0.671855	0.451389
17/01/14	3729	3729.75	0.020113	-0.31288	0.097895
16/01/14	3699	3725.05	0.704244	0.37125	0.137827
15/01/14	3695.3	3712.05	0.453278	0.120284	0.014468
14/01/14	3645	3686.75	1.145405	0.812411	0.660011
13/01/14	3582	3665	2.317141	1.984147	3.93684
10/01/14	3490	3551.25	1.755014	1.42202	2.022142
9/1/2014	3440	3450.8	0.313953	-0.01904	0.000363
8/1/2014	3461	3428.1	-0.95059	-1.28359	1.647594
7/1/2014	3519.05	3457.15	-1.759	-2.09199	4.376428
6/1/2014	3575.1	3517.9	-1.59996	-1.93295	3.736293
3/1/2014	3475	3565.15	2.594245	2.261251	5.113254
2/1/2014	3463.25	3480.55	0.499531	0.166537	0.027735
1/1/2014	3492	3468	-0.68729	-1.02028	1.04097
			7.658856		26.44403
			0.332994		1.149741
				S.D.	1.07226
				Coefficient of Variation	3.22006

The table given below is showing the calculations of mean return, standard deviation and coefficient of variation for Hero Moto Corp.

TABLE 3: HERO MOTO CORP

Date	Open	Close	Return	X= (x-a)	X ²
31/01/14	1956	1969.2	0.674847	0.886906626	0.786603
30/01/14	2094	1998.1	-4.57975	-4.367691671	19.07673
29/01/14	2015.1	2071.5	2.798869	3.010928543	9.065691
28/01/14	2014.7	2013.15	-0.07693	0.135125469	0.018259
27/01/14	2029.7	2016.75	-0.63803	-0.425965324	0.181446
24/01/14	2049	2036.65	-0.60273	-0.390673041	0.152625
23/01/14	2065	2053.6	-0.55206	-0.339998111	0.115599
22/01/14	2071	2059.9	-0.53597	-0.32391296	0.10492
21/01/14	2091.1	2068.05	-1.10229	-0.89023066	0.792511
20/01/14	2080	2086	0.288462	0.500521538	0.250522
17/01/14	2078.85	2075.75	-0.14912	0.062939092	0.003961
16/01/14	2076.25	2076.65	0.019266	0.231325503	0.053511
15/01/14	2040.1	2073.5	1.637175	1.849234648	3.419669
14/01/14	2036	2037.2	0.058939	0.270999096	0.073441
13/01/14	2032.05	2037	0.243596	0.455656368	0.207623
10/1/2014	2063.05	2039.1	-1.1609	-0.948842547	0.900302
9/1/2014	2069.45	2068.3	-0.05557	0.156489679	0.024489
8/1/2014	2075	2064.65	-0.4988	-0.286735181	0.082217
7/1/2014	2071.1	2069	-0.1014	0.110664606	0.012247
6/1/2014	2101.05	2068.9	-1.53019	-1.318127287	1.73746
3/1/2014	2075.05	2101.05	1.252982	1.465041856	2.146348
2/1/2014	2089	2080.55	-0.4045	-0.192439761	0.037033
1/1/2014	2083	2085.85	0.136822	0.348881892	0.121719
			-4.87728		39.36492
			-0.21206		1.711518
				S.D.	1.30825
				Coefficient of Variation	-6.16937

The table given below is showing the calculations of mean return, standard deviation and coefficient of variation for Bajaj Auto Ltd.

TABLE 4: BAJAJ AUTO LTD.

Date	Open	Close	Return	X= (x-a)	X ²
31/01/14	1915	1901.5	-0.704960836	-0.76568554	0.58627435
30/01/14	1909	1920.85	0.620743845	0.560019138	0.313621435
29/01/14	1950	1912.95	-1.9	-1.96072471	3.844441377
28/01/14	1906.8	1944.7	1.987623243	1.926898536	3.712937969
27/01/14	1920	1912.8	-0.375	-0.43572471	0.18985602
24/01/14	1934.7	1931.7	-0.1550628	-0.21578751	0.046564248
23/01/14	1949	1939.05	-0.510518214	-0.57124292	0.326318475
22/01/14	1944	1949.7	0.293209877	0.23248517	0.054049354
21/01/14	1935	1942.4	0.382428941	0.321704234	0.103493614
20/01/14	1938.2	1931.5	-0.34568156	-0.40640627	0.165166054
17/01/14	1907.75	1933.45	1.347136679	1.286411972	1.654855763
16/01/14	1900	1907.75	0.407894737	0.34717003	0.12052703
15/01/14	1874	1894	1.067235859	1.006511152	1.013064699
14/01/14	1888	1870.55	-0.924258475	-0.98498318	0.970191868
13/01/14	1895.25	1895.8	0.029019918	-0.03170479	0.001005194
10/1/2014	1905.2	1900.3	-0.257190846	-0.31791555	0.101070299
9/1/2014	1914.2	1909.45	-0.248145439	-0.30887015	0.095400767
8/1/2014	1894.9	1918.3	1.234893662	1.174168955	1.378672735
7/1/2014	1880	1889.95	0.529255319	0.468530612	0.219520935
6/1/2014	1896	1888.3	-0.406118143	-0.46684285	0.217942247
3/1/2014	1893	1895.55	0.134706815	0.073982108	0.005473352
2/1/2014	1918	1900.05	-0.935870699	-0.99659541	0.993202403
1/1/2014	1915	1917.4	0.125326371	0.064601664	0.004173375
			1.396668252		16.11782356
			0.060724707		0.700774937
				S.D.	0.837123
				Coefficient of Variation	13.78554211

The table given below is showing the calculations of mean return, standard deviation and coefficient of variation for Idea Cellular Ltd.

TABLE 5: IDEA CELLULAR LTD.

Date	Open	Close	Return	X= (x-a)	X ²
31/01/14	141.2	143.5	1.628895184	2.31267758	5.34847761
30/01/14	137.9	140.45	1.849166062	2.53294846	6.41582791
29/01/14	139.25	139.9	0.466786355	1.15056876	1.32380846
28/01/14	148	139.2	-5.94594595	-5.26216355	27.6903652
27/01/14	151.4	144.8	-4.35931308	-3.67553068	13.5095258
24/01/14	153.75	152.45	-0.84552846	-0.16174606	0.02616179
23/01/14	153.6	154.2	0.390625	1.0744074	1.15435126
22/01/14	154	153.8	-0.12987013	0.55391227	0.3068188
21/01/14	154.85	152.9	-1.25928318	-0.57550078	0.33120114
20/01/14	151.4	153.95	1.684280053	2.36806245	5.60771978
17/01/14	155.35	151	-2.80012874	-2.11634634	4.47892184
16/01/14	167.5	156.05	-6.8358209	-6.1520385	37.8475777
15/01/14	167.55	168.1	0.328260221	1.01204262	1.02423027
14/01/14	161.5	167.25	3.560371517	4.24415392	18.0128425
13/01/14	161	161.9	0.559006211	1.24278861	1.54452353
10/1/2014	161	161.2	0.124223602	0.808006	0.6528737
9/1/2014	160.55	160.45	-0.06228589	0.62149651	0.38625791
8/1/2014	163	161.5	-0.9202454	-0.236463	0.05591475
7/1/2014	159	162.1	1.949685535	2.63346793	6.93515336
6/1/2014	162.05	159.25	-1.72786177	-1.04407937	1.09010173
3/1/2014	160.1	162.5	1.499063086	2.18284549	4.76481441
2/1/2014	169	160.6	-4.9704142	-4.2866318	18.3752122
1/1/2014	167.9	168.05	0.089338892	0.77312129	0.59771653
			-15.726996		157.480398
			-0.68378243		6.84697383
				S.D.	2.6166722
				Coefficient of Variation	-3.82676137

The table given below is showing the calculations of mean return, standard deviation and coefficient of variation for Airtel Ltd.

TABLE 6: AIRTEL LTD.

Date	Open	Close	Return	X= (x-a)	X ²
31/01/14	310	315	1.612903226	1.84864906	3.41750333
30/01/14	302	308.65	2.201986755	2.43773258	5.94254016
29/01/14	310	301.9	-2.61290323	-2.3771574	5.65087728
28/01/14	306.9	306	-0.29325513	-0.0575093	0.00330732
27/01/14	307.9	306.9	-0.32478077	-0.08903494	0.00792722
24/01/14	313	313.14	0.044728435	0.28047426	0.07866581
23/01/14	309	314.65	1.828478964	2.06422479	4.261024
22/01/14	305.2	309.75	1.490825688	1.72657152	2.98104921
21/01/14	311	304.9	-1.96141479	-1.72566896	2.97793336
20/01/14	311.1	308.55	-0.81967213	-0.5839263	0.34096993
17/01/14	316	310.9	-1.61392405	-1.37817822	1.89937521
16/01/14	332.95	315.55	-5.22600991	-4.99026408	24.9027356
15/01/14	329.9	331.5	0.484995453	0.72074128	0.519468
14/01/14	331	327.95	-0.92145015	-0.68570432	0.47019042
13/01/14	330	331	0.303030303	0.53877613	0.29027972
10/1/2014	327	330.55	1.085626911	1.32137274	1.74602592
9/1/2014	332.4	329.6	-0.8423586	-0.60661277	0.36797906
8/1/2014	333	332.4	-0.18018018	0.05556565	0.00308754
7/1/2014	330.5	331.7	0.363086233	0.59883206	0.35859984
6/1/2014	328.5	329.35	0.258751903	0.49449773	0.24452801
3/1/2014	328	329.35	0.411585366	0.6473312	0.41903768
2/1/2014	338	328.7	-2.75147929	-2.51573346	6.32891484
1/1/2014	331	337.75	2.039274924	2.27502075	5.17571943
			-5.42215408		68.3877389
			-0.23574583		2.97337995
				S.D.	1.72434913
				Coefficient of Variation	-7.31444172

COMBINED TABLE

COMPANY	MEAN RETURN	STANDARD DEVIATION	COEFFICIENT OF VARIATION
IT Sector			
INFOSYS LTD	0.332994	1.07226	3.220058019
TCS LTD	0.075594	1.916651	25.35453872
COMPANY	MEAN RETURN	STANDARD DEVIATION	COEFFICIENT OF VARIATION
Telecommunications Sector			
IDEA CELLULAR	-0.6837824	2.6166722	-3.826761555
AIRTEL	-0.23574583	1.72434913	-7.314441702
COMPANY	MEAN RETURN	STANDARD DEVIATION	COEFFICIENT OF VARIATION
Automobile Sector			
BAJAJ LTD	0.060724707	0.837123	13.78554202
HERO MOTO CORP	-0.21206	1.30825	-6.169244553

CONCLUSION

The objective of maximizing return can be obtained when one incurs higher risk before selecting a firm for investment, risk involves in the particular security and the return potential of the stock should be considered.

Generally, the relationship of risk and return trade off prevails between the two companies selected from IT sector, Infosys Ltd. is highly recommended.

Also, as far as the telecom sector companies under study are concerned Airtel Ltd. is better performing than Idea Cellular as Airtel is having better risk return trade off.

Between the two companies of automobile industry, Bajaj is recommended in comparison with Hero Moto Corp.

Based on the mean variance approach in the research, following is the detailed conclusion:

1. The return of Infosys is more as compared to TCS Ltd. as well as Infosys is less risky as compared to TCS Ltd.

The coefficient of variation of Infosys Ltd. is less as compared to TCS Ltd. Therefore, to invest in Infosys is highly recommended as far as IT sector is concerned.

2. The return of AIRTEL is more as compared to IDEA CELLULAR. Also IDEA cellular is more risky than AIRTEL.

The overall coefficient of variation of AIRTEL is lesser than IDEA CELLULAR. Therefore, the study reflects that as far as the telecom sector is concerned, it is better to invest in AIRTEL as compared to IDEA CELLULAR.

3. In the given study the return of HERO MOTO CORP is less than BAJAJ Ltd. and BAJAJ Ltd. is less risky than HERO MOTO CORP also.

Therefore, it is highly recommended to invest in BAJAJ Ltd as compared to HERO MOTO CORP.

ASSUMPTIONS OF THE STUDY

- This study assumes that an investor purchases the share at the beginning of the month and he sells the share at the end of the month.
- Investors make the decision on the basis of previous returns and risks that are unsystematic risks.
- The investors give preference to the securities that have given positive returns previously.
- The research is based on secondary data.

LIMITATIONS OF THE STUDY

- This study is limited to some selected industries (**Telecommunication, Information technologies & Automobile**)
- Dividend is not considered in the calculation of Return. Price change is only taken into consideration.
- Situations in stock market are always subject to change.
- Detailed study of the topic was not possible due to the limited size of the project

- There was a constraint with regard to time allocated for the research study.
- The availability of information in the form of annual reports & price fluctuations of the companies was a big constraint to the study.

REFERENCES

1. Anderson, Eugene and Mary W. Sullivan (1993), The Antecedents and Consequences of Customer Satisfaction for Firms, *Marketing Science*, 12 (No. 2, spring), 125-43.
2. Anderson, Eugene W., Claes Fornell, and Donald R. Lehmann (1994), Customer Satisfaction, Market Share and Profitability: Findings from Sweden, *Journal of Marketing*, 58 (July), 53-66.
3. Bello A. I. and Adedokun L.W., Analysis of Risk and Return characteristics of the Quoted Firms in the Nigerian Stock Market, *International Journal of Business and Social Science*, Vol.2, N. 17.
4. Kevin S. (2012), "Security Analysis and Portfolio Management." PHI learning Pvt. Limited, Delhi.
5. March, J. (1994), *A primer on decision making: How decisions happen*, New York, NY: The Free Press.
6. Mukherji A., Desai A.B. and Wright P. (2008), A Contingent Relationship between Risk & Return: Toward a Behavioral Model of Decision Making, *Institute of Behavioral and Applied Management*, 2008. 240-257.
7. Mullen D. J., and Roth B. (1991), *Decision making: Its logic and practice'* Savage, MD: Rowman and Littlefield Publishers, Inc.
8. Prajapati K.P. and Patel M.K. (2012), Comparative Study on Performance Evaluation of Mutual Fund Schemes of Indian Companies' *Research World- Journal of Arts, Science & Commerce*, Vol- III, Issue 3(3), July 2012(48).
9. Reilly F. and Brown K., "Investment Analysis Portfolio Management.", 7th Edition, Cengage Learning.
10. Shrivastava A. (2012), Stability of Sector wise Beta: Case Study of India, *GJMR*, Vol. 5, July- December, 2012.
11. Vikkraman P and Varadharajan P (2009), A Study on Risk & Return Analysis of Automobile Industry in India (2004- 2007), *Journal of Contemporary Research in Management*, January- march, 2009, 35-40.

WEBSITES

12. http://www.nseindia.com/live_market/dynaContent/live_watch/get_quote/GetQuote.jsp?symbol=TCS&illiquid=0#
13. http://www.nseindia.com/live_market/dynaContent/live_watch/get_quote/GetQuote.jsp?symbol=INFY&illiquid=0#
14. http://www.nseindia.com/live_market/dynaContent/live_watch/get_quote/GetQuote.jsp?symbol=BAJAJ-AUTO&illiquid=0#
15. http://www.nseindia.com/live_market/dynaContent/live_watch/get_quote/GetQuote.jsp?symbol=HEROMOTOCO&illiquid=0#
16. http://www.nseindia.com/live_market/dynaContent/live_watch/get_quote/GetQuote.jsp?symbol=BHARTIARTL&illiquid=0#
17. http://www.nseindia.com/live_market/dynaContent/live_watch/get_quote/GetQuote.jsp?symbol=IDEA&illiquid=0#

REQUEST FOR FEEDBACK

Dear Readers

At the very outset, International Journal of Research in Commerce, Economics & Management (IJRCM) acknowledges & appreciates your efforts in showing interest in our present issue under your kind perusal.

I would like to request you to supply your critical comments and suggestions about the material published in this issue as well as on the journal as a whole, on our E-mail infoijrcm@gmail.com for further improvements in the interest of research.

If you have any queries please feel free to contact us on our E-mail infoijrcm@gmail.com.

I am sure that your feedback and deliberations would make future issues better – a result of our joint effort.

Looking forward an appropriate consideration.

With sincere regards

Thanking you profoundly

Academically yours

Sd/-
Co-ordinator

DISCLAIMER

The information and opinions presented in the Journal reflect the views of the authors and not of the Journal or its Editorial Board or the Publishers/Editors. Publication does not constitute endorsement by the journal. Neither the Journal nor its publishers/Editors/Editorial Board nor anyone else involved in creating, producing or delivering the journal or the materials contained therein, assumes any liability or responsibility for the accuracy, completeness, or usefulness of any information provided in the journal, nor shall they be liable for any direct, indirect, incidental, special, consequential or punitive damages arising out of the use of information/material contained in the journal. The journal, nor its publishers/Editors/Editorial Board, nor any other party involved in the preparation of material contained in the journal represents or warrants that the information contained herein is in every respect accurate or complete, and they are not responsible for any errors or omissions or for the results obtained from the use of such material. Readers are encouraged to confirm the information contained herein with other sources. The responsibility of the contents and the opinions expressed in this journal is exclusively of the author (s) concerned.

ABOUT THE JOURNAL

In this age of Commerce, Economics, Computer, I.T. & Management and cut throat competition, a group of intellectuals felt the need to have some platform, where young and budding managers and academicians could express their views and discuss the problems among their peers. This journal was conceived with this noble intention in view. This journal has been introduced to give an opportunity for expressing refined and innovative ideas in this field. It is our humble endeavour to provide a springboard to the upcoming specialists and give a chance to know about the latest in the sphere of research and knowledge. We have taken a small step and we hope that with the active co-operation of like-minded scholars, we shall be able to serve the society with our humble efforts.

Our Other Journals

