INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT

IJRCM

IJRCM

CONTENTS

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT ii

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

www.ijrcm.org.in

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT iii

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

www.ijrcm.org.in

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT iv
A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories
www.ijrcm.org.in

CALL FOR MANUSCRIPTS

We invite unpublished novel, original, empirical and high quality research work pertaining to recent developments & practices in the area of Computer, Business, Finance, Marketing, Human Resource Management, General Management, Banking, Insurance, Corporate Governance and emerging paradigms in allied subjects like Accounting Education; 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; Monetary Policy; Portfolio & Security Analysis; Public Policy Economics; Real Estate; Regional Economics; Tax Accounting; Advertising & Promotion Management; Business Education; Management Information Systems (MIS); Business Law, Public Responsibility & Ethics; Communication; Direct Marketing; E-Commerce; Global Business; Health Care Administration; Labor 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; Public Administration; Purchasing/Materials Management; Retailing; Sales/Selling; Services; Small Business Entrepreneurship; Strategic Management Policy; Technology/Innovation; Tourism, Hospitality & Leisure; Transportation/Physical Distribution; Algorithms; Artificial Intelligence; Compilers & Translation; Computer Aided Design (CAD); Computer Aided Manufacturing; Computer Graphics; Computer Organization & Architecture; Database Structures & Systems; Digital Logic; Discrete Structures; Internet; Management Information Systems; Modeling & Simulation; Multimedia; Neural Systems/Neural Networks; Numerical Analysis/Scientific Computing; Object Oriented Programming; Operating Systems; Programming Languages; Robotics; Symbolic & Formal Logic and Web Design. The above mentioned tracks are only indicative, and not exhaustive.

Anybody can submit the soft copy of his/her manuscript **anytime** in M.S. Word format after preparing the same as per our submission guidelines duly available on our website under the heading guidelines for submission, at the email address: **infoijrcm@gmail.com**.

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.

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT v
A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories
www.ijrcm.org.in

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.

<u>**PLEASE USE THE FOLLOWING FOR STYLE AND PUNCTUATION IN REFERENCES**</u>:

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

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT   vi

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

www.ijrcm.org.in

PORTFOLIO MANAGEMENT OF INDIAN MUTUAL FUNDS: A STUDY ON DIVERSIFIED EQUITY FUNDS PERFORMANCE

E. UMA REDDY
RESEARCH SCHOLAR, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD; &
ASST. PROFESSOR
C V R COLLEGE OF ENGINEERING
HYDERABAD

C. MADHUSUDANA REDDY
EMERITUS PROFESSOR
OSMANIA UNIVERSITY
HYDERABAD

ABSTRACT

Actively managed fund aims at outperforming its corresponding benchmark index. Equity diversified mutual fund's performance in comparison with broad based index like S&P CNX 500 definitely investigates the activism shown in the fund management. In this paper attempt has been made to find out whether actively managed equity diversified funds in India have achieved superior performance through their stock selection and timing abilities. It is observed that one third of the sample funds delivered positive alpha and remaining funds were satisfied with zero Alphas. However these positive alpha funds failed to time the market movement.

KEYWORDS

Active returns, Alpha, Market phases, Market timing,

I. INTRODUCTION

Mutual funds are professionally managed investment companies, offering efficient service and a flexible product range to create wealth for individual and institutional investors. The size and Growth of Mutual Fund industry in India has changed enormously over the last decade. The Industry now has 42 players with assets under management of Rs. 673,176cr as on June 30, 2011. Assets under Management have achieved a record compounded growth of 28% in the period between the years 2006-2010 Industry is growing at the annual growth rate of 27.25 % in terms of net sales. It is one of the steady and fast growing segments of the Indian economy.

In fund management, Active and Passive investing are the two basic investment approaches in equity investments of mutual funds. While Active investing relies on the ability of managed funds to outperform the market, the passive investing relies on the long-term success of market indexes. The idea behind the active management is to deliver superior returns over the market. Equity diversified funds follow active investment approach and seek to beat the market.

Indian stock market observed two bull phases and one bear phase during the period of 31st March 2005 to 31st March 2011. S&P CNX 500 index increased from 1772.85 points on 31st march 2005 to 5354.70 on 31st December 2007 with the CAGR of 33.46%. From 31st December 2007 to 30th November 2008 it earned CAGR of -60.91% and from 30th November 2008 to 31st March 2011 achieved CAGR of 38.85%. Actively managed portfolios are expected to exhibit the superior performance over its benchmark portfolio in any phase of the market. This study uses a broad based index S&P CNX 500 as common benchmark to compare the performance of sample funds.

II OBJECTIVES OF THE STUDY

The following objectives are identified to study the active returns of Indian mutual fund industry.

1. To identify and analyze the excess returns (over the 91 days T-Bills returns) of select equity diversified funds in the different phases of market i.e., bull and bear phases.

2. To identify and analyze the level of alpha generated by the funds and classify the funds into positive, zero and negative Alpha funds.

III DATA

Published Data is collected for the past 72 months i.e. the period of April 2005 to March 2011 related to NAVs of funds, 91 days T-Bills and NSE 500.

1. Monthly returns of 30 growth option equity diversified funds which are surviving from March 2005 are calculated based on NAVs from ICRA Online Mutualfundsindia.com

2. Monthly risk free returns are calculated from Implicit Yield at Cut off Price of 91 days T-bills Actions from RBI.

3. Monthly Market returns from S&P CNX 500 index of National Stock Exchange.

DESCRIPTIVE STATISTICS: MONTHLY RETURNS OF SAMPLE FUNDS AND S&P CNX 500

portfolio	N	Minimum	Maximum	Mean	Std. Deviation	Skewness	Kurtosis
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic
Fund average (30 funds)	72	-0.24	0.31	0.0136	0.08313	-0.203	2.27
S&P CNX 500	72	-0.28	0.34	0.0126	0.09043	-0.21	2.864

IV   METHODOLOGY

Jenson (1968) measure of portfolio performance is used to calculate the Portfolio Alpha. Fund excess returns are regressed with excess market returns to obtain the Alpha .A positive value of Alpha indicates superior performance. Linear Regression Method with the help of SPSS package is used to calculate the intercept and its significance. The regression equation is

$R_{pt}-R_{ft}=\alpha+ \beta R_{mt}-R_{ft} +e_t$

Where $R_{pt}-R_{ft}$ $_{and}$ $R_{mt}-R_{ft}$ are excess portfolio and market returns .

α and β are the intercept and slope coefficients.

e_t is an error term.

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT
50
A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories
www.ijrcm.org.in

Treynor and Mazuy(1966) market timing measure is used to identify timing ability of the funds. Actively managed portfolio has a relatively high beta when the market rises and a relatively low beta when market drops is expected. The following regression method is used to identify the market timing.

$$R_{pt}-R_{ft}=\alpha+ \beta R_{mt}-R_{ft}+ c(R_{mt}-R_{ft})^2+ e_t$$
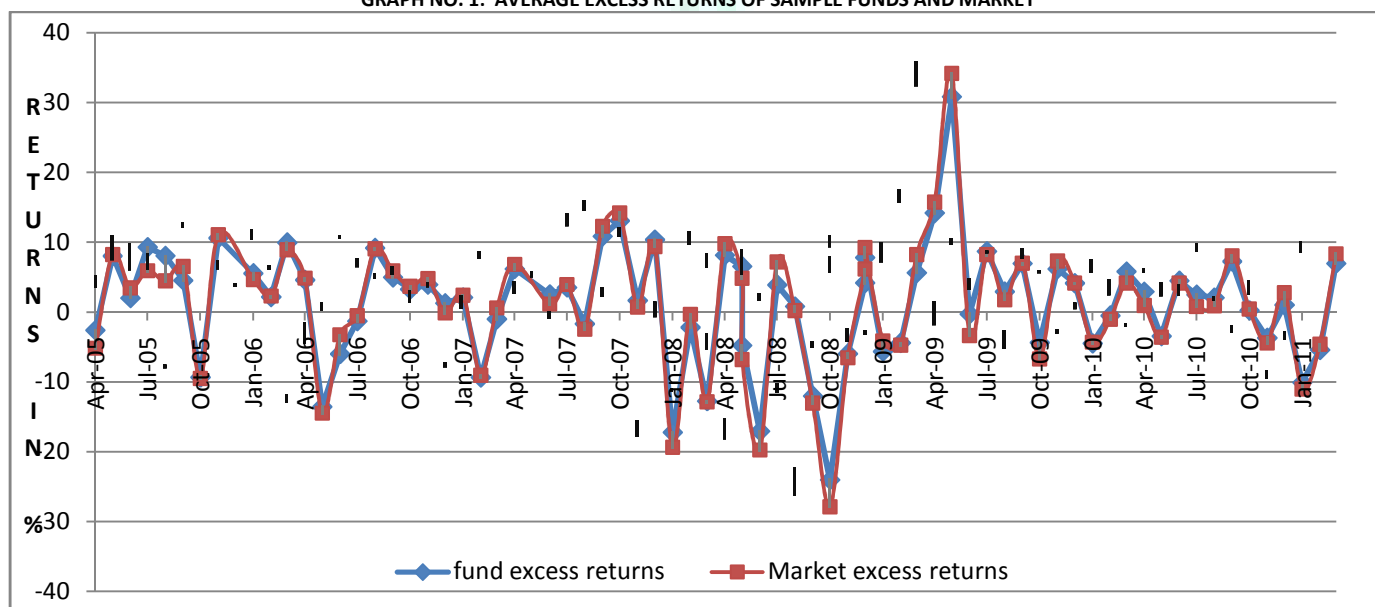
Where $R_{pt}-R_{ft}$ and $R_{mt}-R_{ft}$ are excess portfolio and market returns at that time . C is a measure of timing ability. If the estimated value of c is positive, it indicates that the portfolio successfully timed the market.

V ANALYSIS OF RESULTS

A. THE OVERALL ACTIVE RETURNS SCENARIO IN THE INDUSTRY

Difference among the average risk free returns of funds and market in the bull and bear phases is clearly observed in the graph no.1. The average fund's risk adjusted returns in the bear phase appears superior compared to the market. During this phase funds managed to fall less than the market. In this period i.e., 31st December 2007 to 30th November 2008 market had suffered with -8.13% monthly excess returns while average funds monthly excess returns were only -7.57%. In the bull phase i.e., 31st march 2005 to 31st December 2007 the average fund returns were 3.13% and market returns were 3.08%. In another bull phase from 30th November 2008 to 31st March 2011 funds average monthly returns 2.78% while market returns were 2.80%.

GRAPH NO. 1: AVERAGE EXCESS RETURNS OF SAMPLE FUNDS AND MARKET

B. ANALYSIS OF SELECTIVITY AND TIMING TESTS

Active returns by outperforming the market are possible with the superior stock selection and timing the movement in the market .These stock selection and timing abilities are measured with the level of alpha generated. Performance is categorized with the alpha at a 10% significance level, into positive Alpha, zero Alpha and negative Alpha. This study uses the t-statistic threshold -1.66 to 1.66 which is based on the degree of freedom to categorize the funds. Funds with which t-value lies within this region as zero Alpha, above the 1.65 t-value into positive alpha and remaining are termed as negative Alpha funds. Selectivity tests shows that Out of 30 funds 10 funds have delivered positive significant alpha. These funds had shown an average Alpha 0.0055. The remaining funds had shown either zero or non significant positive alphas whose t-values lies in the zero Alpha category.

TABLE: 1 TEST OF SELECTIVITY

+ve significant Alphas	Mean Alpha	-ve Alphas	Mean Alpha	zero Alphas	mean Alpha
10	0.0055	0	0	20	0.00045

Timing ability tests evidences that majority of the funds failed to time the market movement. Only 3 funds out of observed 30 funds had shown positive and significant timing coefficient with average of 0.602. However these observed 3 funds have not shown any significant positive alpha. The overall average timing coefficient is -0.00387.

TABLE: 2 TEST OF TIMING

Mean timing coefficient	+ve significant timing coefficients
-0.00387	3

SUMMARY AND CONCLUSION

To study the Active portfolio management of Indian mutual funds, 30 Equity diversified funds have been selected after examining their investment objective and their survival till the end of study period. Jenson measure of portfolio performance and Treynor and Mazuy market timing measures are used to test the stock selection and timing abilities of the fund management in generating the active returns. This study finds the evidence that one third sample funds delivered positive alpha and remaining funds were satisfied with zero Alphas. These funds had generated positive active returns through the stock selection abilities but they failed to time the market movement.

REFERENCES

1.   Carhart,Mark M,1997, " On persistence of mutual fund performance, Journal of finance, 52,57-82
2.   CII 6th Mutual Fund Summit 2010 http://www.scribd.com/doc/49460286/CII-PwC-Mutual-Fund-Summit-2010
3.   Dybvig,Philip H and Stephen A Ross,1985, "Differential information and performance measurement using a security market line" Journal of finance, 40,383-389
4.   Hsiu-Lang Chen, Narasimhan Jegadeesh, Russ Wermers (2000), "The Value of Active Mutual Fund Management: An Examination of the Stockholdings and Trades of Fund Managers", The Journal of Financial and Quantitative Analysis, Vol. 35, No. 3,343-368
5.   Jeffrey A. Busse, (1999), "Volatility Timing in Mutual Funds: Evidence from Daily Returns" The Review of Financial Studies, Vol. 12, No. 5, pp. 1009-1041
6.   Jensen MC (1968), "The performance of mutual funds in the period 1945-1964" Journal of finance, 23, No.2, 389-416.
7.   Laurens Swinkels and liam Tjong-A-tjoe 2007 "Can mutual funds time investment styles?",Journal of Asset management vol.8,123-132.

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT   51
A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories
www.ijrcm.org.in

8. LAURENT BARRAS, OLIVIER SCAILLET, and RUSS WERMERS,(2000) "False Discoveries in Mutual Fund Performance: Measuring Luck in Estimated Alphas", THE JOURNAL OF FINANCE • VOL. LXV, NO. 1,179-216
9. Malkiel, Burton G, 1995, "Returns from investing in equity mutual funds 1971-1991" , Journal of finance,50,549-572.
10. Roy D. Henriksson, 1984, "Market Timing and Mutual Fund Performance: An Empirical Investigation" The Journal of Business, 57, No. 1, 73-96
11. Sanjay sehgal and manoj jhanwar 2008, "Short –term persistence in Mutual fund performance: evidence from India".journal of Accounting –Business and Management,15.90-108
12. Sharpe William F (1966). "Mutual Fund Performance" Journal of Business,39,No.39,119-138
13. Stanley J. Kon and Frank C. Jen (Apr., 1979), "The Investment Performance of Mutual Funds: An Empirical Investigation of Timing, Selectivity, and Market Efficiency" The Journal of Business, Vol. 52, No. 2 pp. 263-289
14. Treynor JL (1965) "how to rate management of Investment Funds" Harward Business review,43,No.1,63-75.

ANNEXURE

ANNEXURE I: ALPHA AND BETA VALUES

sno		alpha	t value	p value	beta	t value	pvalue
1	Birla Buy india fund	0.003	0.969	0.369	0.826	22.27	0
2	Birla dividend yield fund	0.003	1.004	0.319	0.808	21.866	0
3	Canreboco equity diversified fund	0.003	1.072	0.287	0.932	29.847	0
4	Fidelity equity fund	0.006**	2.879	0.005	0.823	36.365	0
5	Franklin india flexi cap fund	0.005*	2.361	0.021	0.89	40.335	0
6	Franklin india tax shield	0.004**	1.687	0.096	0.834	35.63	0
7	Hdfc equity fund	0.007*	3.423	0.001	0.905	37.976	0
8	Principal dividend yield fund	-0.002	-0.668	0.506	0.846	24.484	0
9	Franklin india prima fund	-0.001	-0.192	0.848	0.959	22.118	0
10	Can reboco emerging equity fund	-0.002	-0.444	0.658	1.11	25.394	0
11	DWS equity fund	0.003	0.962	0.339	0.835	21.753	0
12	Escorts growth plan	0	0.026	0.979	0.965	16.611	0
13	Baroda pioneer ELSS96	-0.011	-1.589	0.117	0.96	13.093	0
14	Baroda pioneer growth fund	0.005**	1.848	0.069	0.885	30.76	0
15	Reliance vision	0.003	1.315	0.193	0.906	34.786	0
16	DSP Blackrock opportunities fund	0.004*	2.071	0.042	0.865	40.459	0
17	Tata pure equity fund	0.004**	1.723	0.089	0.865	38.513	0
18	HSBC equity fund	0.003	1.145	0.256	0.784	28.042	0
19	HSBC india opportunities fund	0.002	0.644	0.522	0.836	26.072	0
20	SBI Magnum equity fund	0.002	0.765	0.447	0.93	27.197	0
21	Taurus tax shield	-0.001	-0.189	0.851	1.019	16.67	0
22	Taurus discovery	-0.008	-1.412	0.162	1.186	19.829	0
23	Sundaram growth fund	0.001	0.464	0.644	0.978	36.63	0
24	Sundaram tax saver	0.004	1.252	0.215	0.909	27.013	0
25	Sundaram select focus	0.003	1.123	0.265	0.946	27.867	0
26	Icici pru dynamic plan	0.008*	2.569	0.012	0.802	24.512	0
27	Icici pru discovery	0.005	1.317	0.192	0.949	21.402	0
28	Idfc premier equity fund plan	0.008**	1.753	0.084	0.895	19.253	0
29	Sahara growth	0.004*	1.939	0.056	0.813	32.581	0
30	Tata growth	-0.001	-0.44	0.661	0.949	25.617	0

*Alpha Significant at 5% level

** Alpha significant at 10% level

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT 52

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

www.ijrcm.org.in

ANNEXURE 2: TIMING COEFFICIENTS OF SAMPLE FUNDS

Sno		Timing coeffient	t val	P val
1	Birla buy india fund	-0.206	-1.064	0.291
2	Birla dividend yield fund	0.059	0.302	0.763
3	canreboco equity diversified fund	0.115	0.704	0.484
4	fidelity equity fund	-0.198	-1.71	0.092
5	Franklin india flexi cap fund	-0.008	-0.068	0.946
6	Franklin india tax shield	-0.123	-1.008	0.317
7	Hdfc equity fund	0.12	0.962	0.34
8	Principal dividend yield fund	-0.248	-1.382	0.171
9	Franklin india prima fund	0.046	0.201	0.842
10	Can reboco emerging equity fund	0.231	1.014	0.314
11	Dws equity fund	-0.549	-2.876	0.005
12	Escorts growth plan	0.996*	3.541	0.001
13	Baroda pioneer ELSS96	-0.048	-0.124	0.902
14	Baroda pioneer growth fund	-0.006	-0.039	0.969
15	Reliance vision	0.085	0.622	0.536
16	DSP Blackrock opportunities fund	-0.234	-2.146	0.035
17	Tata pure equity fund	0.001	0.013	0.99
18	HSBC equity fund	-0.368	-2.622	0.011
19	HSBC india opportunities fund	-0.45	-2.815	0.006
20	SBI Magnum equity fund	0.007	0.041	0.968
21	Taurus tax shield	0.372	1.168	0.247
22	Taurus discovery	0.152	0.482	0.631
23	Sundaram growth fund	-0.055	-0.389	0.698
24	Sundaram tax saver	0.45*	2.673	0.009
25	Sundaram select focus	0.359*	2.068	0.042
26	Icici pru dynamic plan	-0.56	-3.534	0.001
27	Icici pru discovery	-0.01	-0.042	0.967
28	Idfc premier equity fund plan	-0.255	-1.06	0.293
29	Sahara growth	-0.083	-0.633	0.529
30	Tata growth	0.292	1.523	0.132

ANNEXURE 3: AVERAGE RETURNS OF SAMPLE FUNDS, CNX500 AND 91 DAYS T.BILLS

month	fund avg	CNX500	avg risk free	month	fund avg	CNX500	avg risk free
Apr-05	-2.19%	-4.75%	0.42%	Apr-08	8.72%	10.36%	0.59%
May-05	8.45%	8.66%	0.42%	May-08	-4.20%	-6.22%	0.60%
Jun-05	2.44%	3.89%	0.43%	Jun-08	-16.41%	-19.10%	0.64%
Jul-05	9.72%	6.36%	0.44%	Jul-08	4.61%	7.91%	0.72%
Aug-05	8.46%	4.88%	0.43%	Aug-08	1.53%	0.94%	0.74%
Sep-05	4.95%	6.94%	0.43%	Sep-08	-11.32%	-12.34%	0.70%
Oct-05	-8.90%	-9.07%	0.45%	Oct-08	-23.37%	-27.23%	0.65%
Nov-05	11.06%	11.53%	0.47%	Nov-08	-5.37%	-5.96%	0.59%
Dec-08	4.65%	6.64%	0.48%	Dec-08	8.26%	9.68%	0.46%
Jan-06	6.05%	5.15%	0.51%	Jan-09	-5.27%	-3.78%	0.38%
Feb-06	2.70%	2.82%	0.54%	Feb-09	-4.02%	-4.35%	0.39%
Mar-06	10.47%	9.45%	0.53%	Mar-09	6.01%	8.61%	0.39%
Apr-06	5.03%	5.30%	0.45%	Apr-09	14.48%	16.04%	0.31%
May-06	-13.10%	-14.01%	0.46%	May-09	31.09%	34.43%	0.27%
Jun-06	-5.51%	-2.76%	0.49%	Jun-09	-0.02%	-3.08%	0.27%
Jul-06	-0.79%	0.00%	0.52%	Jul-09	8.94%	8.48%	0.26%
Aug-06	9.69%	9.58%	0.52%	Aug-09	3.20%	2.02%	0.27%
Sep-06	5.49%	6.42%	0.53%	Sep-09	7.21%	7.25%	0.27%
Oct-06	3.80%	4.23%	0.54%	Oct-09	-4.09%	-6.45%	0.27%
Nov-06	4.46%	5.33%	0.54%	Nov-09	6.43%	7.59%	0.27%
Dec-06	1.83%	0.45%	0.56%	Dec-09	4.42%	4.43%	0.29%
Jan-07	2.66%	2.98%	0.58%	Jan-10	-4.18%	-4.00%	0.31%
Feb-07	-8.74%	-8.41%	0.62%	Feb-10	-0.17%	-0.69%	0.34%
Mar-07	-0.39%	1.21%	0.62%	Mar-10	6.15%	4.50%	0.36%
Apr-07	6.77%	7.43%	0.61%	Apr-10	3.24%	1.27%	0.34%
May-08	7.16%	5.46%	0.62%	May-10	-3.10%	-3.24%	0.36%
Jun-07	3.12%	1.74%	0.60%	Jun-10	4.91%	4.59%	0.43%
Jul-07	3.92%	4.36%	0.41%	Jul-10	2.93%	1.23%	0.45%
Aug-07	-1.15%	-1.91%	0.54%	Aug-10	2.55%	1.39%	0.50%
Sep-07	11.41%	12.85%	0.57%	Sep-10	7.74%	8.55%	0.50%
Oct-07	13.64%	14.76%	0.57%	Oct-10	0.76%	0.97%	0.53%
Nov-07	2.25%	1.30%	0.60%	Nov-10	-3.13%	-3.85%	0.58%
Dec-07	10.96%	9.96%	0.60%	Dec-10	1.58%	3.34%	0.58%
Jan-08	-16.66%	-18.78%	0.57%	Jan-11	-9.53%	-10.45%	0.58%
Feb-08	-1.61%	0.27%	0.59%	Feb-11	-4.86%	-4.01%	0.58%
Mar-08	-12.16%	-12.27%	0.59%	Mar-11	7.54%	8.93%	0.58%

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT 53
A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories
www.ijrcm.org.in

REQUEST FOR FEEDBACK

Dear Readers

At the very outset, International Journal of Research in Commerce, IT and 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 i.e. **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

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT 54
A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories
www.ijrcm.org.in

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

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, IT & MANAGEMENT IV

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

www.ijrcm.org.in