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A Study on Problems and Prospects of Online Stock Trading in Solan Town of Himachal Pradesh

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Abstract

The study was conducted in Solan town of Himachal Pradesh, it explore various practices which can help to educate an investor so that problem of trading can be overcome and its scope can be highlighted. For this study, sample size was 120 which was taken from Solan town of Himachal Pradesh. The study was undertaken with the objective of understanding the advantages, disadvantages and future prospects of online trading. The study has observed that maximum respondents were of the age group 30-40 years and also observed that changes in the income reflect that more people start investing as their income increases. Government officials were largely inclined for investment options involving high risk investment. Eagerness was seen among the investors to at least get back the amount they had invested. The investors' seen to be satisfied by the types of choices available to them. New trading mechanism can be formed to allow the trading of stocks in the world's global companies. Non adopters can be encouraged to trade online by offering incentives. As hacking is very common in case of online trading so there is a need to review the security system.

Keywords: Online stock trading, investors, brokers, risk, income

1. Introduction

Stock is a share in the ownership of a company. Holding a company's stock means that you are one of the many owners (shareholders) of a company and you have a claim to everything the company owns (Maran and Sarkar, 2013). Online trading was started in India in the year 1995, where a new system is formed which allow the investors to trade through an internet site where banks and Demat accounts are electronically integrated. The internet can provide wide exposure for those hoping to market themselves or their companies, but it can also provide anonymity for those who wish to exchange information without revealing all of their personal data (Srivastava, 2002). Automation of the broking processes results in reduced manpower requirement, flexibility of time, less infrastructure cost, etc. offering significant cost savings to the broker. (Raman and Jain, 2013). After going online, the investors' realized that trading can be done more actively and it made the market lagging more than 3% annually (Brad and Terrance, 2002). Service quality factors leading to dissatisfaction in online trading were responsiveness 31%, service reliability 12%, ease of use 11.3%, competence 0.03%, access 9.6%, system reliability 7.8%, timeliness 6.6%, and security 3.8%. These were the most often services that any investor would think off (Yang and Fang, 2004). The effect of online and offline

trading on effective market performance on the NASDAQ stock exchange was often a hybrid of dealer and auction markets (Haroun et al., 2006). Indian investors' are more conservative, they don't change easily and Indian offline traders will choose brokers for trading. It was found that online traders were more comfortable by trading methods because of transparency and complete control over the terminals (Nidhi and Ravinder, 2007). Investors' age are the main factors which decide the risk taking capacity of investors' and that the modern investor is mature and rational when taking investment decision (Kabra et al., 2010). Indian investors even if they are of high income, well educated, salaried, and independent are conservative investors' who prefer to play safe in the market (Syed, 2010). Online trading has given customers benefits like real time access to account information, stock quotes, elaborated market research and interactive trading (Kafeel, 2012). Indian investors were more conservative, middle aged, educated and have sufficient income base (Balaji, 2014). Online trading is highly beneficial and cheap in terms of money and time. Certain alterations are however required to make it more fruitful (Arvinder et al., 2015). Online trading is on a rising track and is gaining its momentum very fast (Yannis, 2016). The online trading is the world of internet being accessed by investors with their liberty in terms of types of investments, stocks etc. (Laveena et al., 2015). Who



perceived the online trading as easy to use, have no difficulty in accessing it from home or work have perception of ease of use is a significant factor influencing attitude towards online trading adoption (Krishna and Merugu, 2015).

2. Materials and Methods

The descriptive research design was adopted for the concerned research study. The research was conducted in Solan town of Himachal Pradesh in 2017. The respondents were selected by convenience sampling depending on availability of respondents. The sample size for the study was conducted on 120 respondents i.e. businessman, private, public, government, others. Two types of data have been collected for the study. Primary data was collected through closed ended structured interview schedule. The questionnaire was divided into two parts. Part ‘A’ was designed to seek information on the demographic variables such as name, gender, age, income etc. Part ‘B’ consisted of general views and statements based on likertscale to evaluate investors’ behaviour towards benefits, problems and prospects of online trading. Secondary data was taken from journals, magazines, research articles, newspaper, and books. Simple mathematical and statistical tools including Arithmetic Mean, Standard Deviation, Percentage and Total Weightage Score method were used for satisfying the objectives with a view of keeping the analysis simple and easy to understand. The concerned study was initiated with the key objective, to study the benefits of online stock trading and also the problems faced by investors in online stock trading.

3. Results and Discussion

3.1. Age Status of respondents

In reference to understand the age status of respondents, it was perceived that respondents having the age group of 30-40 years were largely taken as a sample size. At this age group, investors were more inclined for stock option investments and were also observed to be tech savvy and were more likely to trade online (Table 1).

Table 1: Age status of respondents

Age (years)	Frequency	
	No. of respondents	% age
20-30	30	25.00
30-40	50	41.60
More than 40	40	33.40
Total	120	100

Source: Primary survey, 2017

3.2. Age status of various respondents (stock investors)

The age status of respondents (stock investors) in accordance to the occupational status of the respective respondents. It was observed that in the age group ranging 20-30 years

largely respondents were holding the occupational status of private job or entity, while in the age group ranging 30-40 years largely respondents were holding the occupational status of Professional job (Doctor, Professor, Advocates, teachers etc.) and in the age group ranging more than 40 years largely respondents were holding the occupational status of Government job (Table 2).

Table 2: Age status of various respondents (stock investors)

Age (years)	No of respondents				
	Busi- nessman	Profes- sional	Govern- ment	Private	Others
20-30	4 (16.70)	5 (20.80)	1 (4.20)	11 (45.90)	2 (8.30)
30-40	14 (58.30)	16 (66.70)	5 (20.80)	2 (8.30)	7 (29.20)
More than 40	6 (25.00)	3 (12.50)	18 (75.00)	11 (45.80)	15 (62.50)
Total	24 (100)	24 (100)	24 (100)	24 (100)	24 (100)

Source: Primary survey, 2017; Percentage in brackets

3.3. Marital status of the respondents (stock investors)

From the collected data it is clear that more people start investing after they get married. A married person has to make more profitable investments to secure his or her future (e.g. child education, emergency in family, retirement etc.). From 120 respondents, 92 agreed that they start investing more after they get married and only 28 unmarried respondents were found who make more investments than expenses (Table 3).

Table 3: Marital Status of respondents

Marital status	Frequency	
	No. of respondents	% age
Single	28	23.00
Married	92	77.00
Total	120	100

Source: Primary survey, 2017

3.4. Marital status of the respondents (stock investors)

The marital status of respondents in accordance to the occupational status of respective respondents. It is depicted from the responses that in every category i.e. businessman, professional, government, private and others most of the people start investing after marriage. From the analysis it is observed that professionals have hike in their results of investments 91.7% over other categories, followed by Government category 70.8% and in case of others only 66.7% investments were made after marriage. A small percentage

of investors were found to be investing before marriage in each case (Table 4).

Table 4: Marital status of the respondents (stock investors)

Marital status	No of respondents				
	Busi-nessman	Profes-sional	Govern-ment	Private	Others
Single	6 (25.00)	2 (8.30)	7 (29.20)	5 (20.80)	8 (33.30)
Mar-ried	18 (75.00)	22 (91.70)	17 (70.80)	19 (79.20)	16 (66.70)
Total	24 (100)	24 (100)	24 (100)	24 (100)	24 (100)

Source: Primary survey, 2017; Percentage in brackets

3.5. Income status of the respondents

The income changes investment size also changes. There is a large shift in number of respondents as the income changes. More people start investing as there income varies between 2-3 lakhs. At this stage they have sufficient amount of money in hand and can have a diversified portfolio. They may not made changes in that portfolio because according to collected data people invest less as there income becomes more than 3 lakhs (Table 5).

Table 5: Income status of the respondents

Income status	Frequency	
	No. of respondents	% age
Less than 2 lakh	28	23.30
2-3 lakh	70	58.30
More than 3 lakh	22	18.40
Total	120	100

Source: Primary survey, 2017

3.6. Income status of the respondents (stock investors)

The income status in accordance to the occupational status of respective respondents. It was observed that when the income size becomes 2-3 lakhs more people start investing. More businessmen 58.3% started investing when their income increased from less than 2 lakhs to 2-3 lakhs. Similarly 79.1% professionals start investing (Table 6).

3.7. Status of expected changes in annual income in coming years

It was observed that most of respondents think that their income will change by more than 10% in coming years. The income of the individual is one of the factors, which play a vital role in influencing the investment decisions of an investor. As 36.6 per cent respondents agreed that income will change by more than 10% in coming years, while only 20% respondents think that there income will remain same (Table 7).

Table 6: Income status of respondents (stock investors)

Income status	No of respondents				
	Busi-nessman	Profes-sional	Govern-ment	Private	Others
Less han 2 lakh	4 (16.70)	3 (12.50)	2 (8.40)	10 (41.70)	9 (37.20)
2-3 lakh	14 (58.30)	19 (79.10)	15 (62.50)	12 (50.00)	10 (41.70)
More than 3 lakh	6 (25.00)	2 (8.40)	7 (29.10)	2 (8.30)	5 (4.10)
Total	24 (100)	24 (100)	24 (100)	24 (100)	24 (100)

Source: Primary survey, 2017; Percentage in brackets

Table 7: Status of expected changes in annual income in coming years

Expected changes in annual income	Frequency	
	No. of respondents	% age
Increase by 5%	20	16.70
Increase by 10%	32	26.70
More than 10%	44	36.60
Will remain same	24	20.00
Total	120	100

Source: Primary survey, 2017

3.8. Status of expected changes in annual income in coming years

It was observed that 41.6% businessman and 83.3% government officials are expecting more than 10% increase in their annual income in the coming years. A bent 45.9% private official and 54.2% respondents of other category were also expecting increase by more than 10% (Table 8).

3.9. Expected status of appreciation from investments

Respondents are not expecting much of the appreciation from the investments that they had made. The results are showing a clear picture that 62.5% of the investors think that they could have only 5% appreciation from the investments they had made. Reason for the same can be variations in the money markets at large scale and the various steps which are taken by the government for various sectors which would lead to the upliftment of one sector and may affect another sector. Only 20.8% respondents think that they could have there value of money to be increased by more than 15% (Table 9).

3.10. Expected appreciation status from investment

The status of expected appreciation collected demographically. The figure clearly shows that private sector is showing that expect 5% increase in the investments they had made

Table 8: Status of expected changes in annual income in coming years

Expected changes in annual income	No of respondents				
	Busi-nessman	Profes-sional	Govern-ment	Private	Others
Increase by 5%	1 (4.20)	3 (12.50)	1 (4.20)	5 (20.80)	2 (8.30)
Increase by 10%	12 (50.00)	4 (16.70)	2 (8.30)	6 (25.00)	5 (20.80)
More than 10%	10 (41.60)	2 (8.30)	20 (83.30)	11 (45.90)	13 (54.20)
Will remain same	1 (4.20)	15 (62.50)	1 (4.20)	2 (8.30)	4 (16.70)
Total	24 (100)	24 (100)	24 (100)	24 (100)	24 (100)

Source: Primary survey, 2017; Percentage in brackets

Table 9: Expected status of appreciation from investments

Expected appreciation from investments by respondents	Frequency	
	No. of respondents	% age
Up to 5%	75	62.50
10-15%	20	16.70
More than 15%	25	20.80
Total	120	100

Source: Primary survey, 2017

followed by professional as 80%. Investors believe that they would get at least 5% appreciation from the investment they had made. But same results can be seen for the appreciation more than 15%. Each sector like businessman has shown only 8.3% results, professional has also shown same results as the businessman. While both the private and others has shown the lowest results i.e. 4.2%, only a small hike of results can be seen in government sector i.e. 16.7% (Table 10).

3.11. Investors risk taking ability (respondents)

More investors are interested to take low risk as no one wants to suffer from losses. High percentage is observed in case of low risk 49.1 per cent. For moderate and high risk only 25.0 per cent and 25.9 per cent is observed. High risk will lead to high profit. Since at earlier stages due to lack of awareness or any other reasons investors don't make much investment (Table 11).

3.12. Investors risk taking ability of various respondents

Table 10: Expected appreciation status from investment

Expected appreciation from investment	No of respondents				
	Busi-nessman	Profes-sional	Govern-ment	Private	Others
Up to 5%	18 (75.00)	20 (80.40)	17 (70.80)	21 (87.50)	13 (54.10)
10- 15%	4 (16.70)	2 (8.30)	3 (12.50)	2 (8.30)	10 (41.70)
More than 15%	2 (8.30)	2 (8.30)	4 (16.70)	1 (4.20)	1 (4.20)
Total	24 (100)	24 (100)	24 (100)	24 (100)	24 (100)

Source: Primary survey, 2017; Percentage in brackets

Table 11: Investors risk taking ability (respondents)

Investors risk taking ability	Frequency	
	No. of respondents	% age
Low	59	49.10
Moderate	30	25.00
High	31	25.90
Total	120	100

Source: Primary survey, 2017

The high risk taking capability of respondents belonging to government class 75% and less risk taking capability of respondents falling under private sector 79.2%. The risk taking ability for professionals is 62.5% and for businessman it is 41.7 per cent. From the 24 respondents in businessman group 33.3% were found to take moderate risk, for professional the moderate risk percentage was only 20.8%. For government group respondents 16.7% investors were willing to take moderate risk, and in others group 41.7% investors were interested in taking moderate risk. 41.7% businessman was found to take low risk, followed by 8.3% of government group respondents who were willing to take low risk (Table 12).

3.13. Average investment status of respondents

It was observed that only 22.3% investors invest for 6 months – 1 year, 40% i.e. maximum investments are made for the time period of 1year – 2 year and 35% investors were found who make investments for more than 2 years. As investor has to earn money than they have to put their money in circulation and check the progress of that particular stock in which they have invested. If they found that particular stock is not showing much progress then they can sell shares of that company before they suffer losses at the price wherever there is hike in price (Table 13).

Table 12: Investors risk taking ability of various respondents

Investors risk taking ability	No. of respondents				
	Busi-nessman	Profes-sional	Govern-ment	Private	Others
Low	10 (41.70)	15 (62.50)	2 (8.30)	19 (79.20)	11 (41.80)
Moder-ate	8 (33.30)	5 (20.80)	4 (16.70)	2 (8.30)	10 (41.70)
High	6(25.00)	4 (16.70)	18 (75.00)	3 (12.50)	3 (12.50)
Total	24(100)	24 (100)	24 (100)	24 (100)	24 (100)

Source: Primary survey, 2017; Percentage in brackets

Table 13: Average investment status of respondents

Respondents average investment period	Frequency	
	No. of respondents	% age
Less than 6 months	10	8.30
6 months–1 year	27	22.50
1 year–2 year	48	40.00
More than 2 year	35	29.20
Total	120	100

Source: Primary survey, 2017

3.14. Average investment status of various respondents

The average investment period of respondents in accordance to the occupational status of the respective respondents. It was observed that in investment period of less than 6 months 16.7% respondents of business class make investments while for professionals only 4.1% investors make investments for less than 6 months. Out of 24 respondents of government category 4.1% investors were observed for less than 6 months. For private group 8.3% respondents make investments short time period and in case of others 20.9% investors make short time investments. Most of the investors are likely to make there investments for 6 months -1 year. Only government category respondents were observed who were interested to make investments for more than 2 years i.e. 75% (Table 14).

3.15. Status of decisions of investors based on various factors

It was observed that respondent are influenced by various factors regarding their investment. Majority of respondents believe that they get influenced by news as on TV channels better guidance is provided. 75% of the people think that news is the best way to take the decisions regarding investment as team of financial experts present on media channels can help them in better way. Respondents have also shown that they are not highly dependent on brokers for taking their decisions

Table 14: Average investment status of various respondents

Average invest-ment period	No. of respondents				
	Busi-nessman	Profes-sional	Govern-ment	Private	Others
Less than 6 months	4 (16.70)	1 (4.10)	1 (4.10)	2 (8.30)	5 (20.90)
6 months-1 year	9 (37.50)	12 (50.00)	1 (4.10)	5 (20.90)	10 (41.70)
1 year-2 year	1 (4.10)	6 (25.00)	4 (16.70)	7 (29.10)	2 (8.30)
More than 2 years	10 (41.70)	5 (20.90)	18 (75.10)	10 (41.70)	7 (29.10)
Total	24 (100)	24 (100)	24 (100)	24 (100)	24 (100)

Source: Primary survey, 2017; Percentage in brackets

regarding investment due to various scams as seen in day to day life done by brokers that's the reason that only 16 per cent of the respondents have chosen brokers for taking investment decisions. Self-evaluation can be done at the later stage as by people who are involved in trading from a long time. Very less respondents has supported this factor (Table 15).

Table 15: Status of decision of investors based on various factors

Factors influencing investors decisions	Frequency	
	No. of respondents	% age
News	90	75.00
Brokers	20	16.70
Self-evaluation	10	8.30
Total	120	100

Source: Primary survey, 2017

3.16. Demographic respondent's status based on various factors

The investment decision status of various respondents. 83.4 per cent respondents of businessman category have given their responses in favour of news that their decisions regarding investments are influenced by various sources of news (like TV channels , newspapers, radio etc). while professional believe they mostly make there decisions by self evaluation i.e. they choose there portfolios on the basis of there own statics. Government respondents have shown their trust in brokers. Private sectors also believe that there investment pattern is so choosen according to the news (Table 16).

Table 16: Demographic respondent's status based on various factors

Factors affecting investment decisions	No. of respondents				
	Businessman	Professional	Government	Private	Others
News	20 (83.40)	5 (20.90)	2 (8.30)	22 (91.80)	17 (70.80)
Brokers	1 (4.10)	1 (4.10)	20 (83.40)	1 (4.10)	5 (20.90)
Self-evaluation	3 (12.50)	18 (75.00)	2 (8.30)	1 (4.10)	2 (8.30)
Total	24 (100)	24 (100)	24 (100)	24(100)	24 (100)

Source: Primary survey, 2017; Percentage in brackets

3.17. Investors' behaviour towards online trading

While analyzing the behaviour of investors towards the benefits of online stock trading, it was analyzed by Total Weighted Score method and rank analysis. It was observed

that wider choices followed by less expenses of the investments was the reason that most of the respondents support online stock trading. Mostly the basic two factors correlates with the behaviour of investors and benefits of online stock trading. Moreover, mean and standard deviation was also observed, it was noted that largely investors hold a positive behaviour towards online stock trading. However, standard deviation being 6.3 in the segment of disagree reveals that overall investors believe among the various benefits of online stock trading (Table 17).

3.18. Investors behaviour towards distrust in online trading

While analyzing the opinion of respondents towards the reasons for distrusting online trading, it was analyzed by Total Weighted Score method the rank analysis. It was observed that unable to trade (can log in but cant trade), wait and watch attitude and risk of system failure were the key areas in which the respondents were highly concerned ie safety issues. Since these three factors mainly coordinate a linkage between the investors behaviour and reasons of distrust for online trading. Moreover, mean and standard deviation were also observed, it was observed that largely investors had a negative response over the factors mentioned. However standard deviation being 11.4 in the segment of the disagree level reveals that overall respondents were not happy to trade online (Table 18).

Table 17: Investor's behaviour towards online trading

	Behaviour of investors towards benefit of online trading (weightage)					TWS	RANK	
	Strongly Agree (5)	Agree (4)	Can't Say (3)	Disagree (2)	Strongly Agree (1)			
Wider choice		75	20	5	10	10	500	I
Better value		40	20	10	12	38	372	XII
Better return facilities		35	38	34	8	5	450	VI
Saves time		27	26	40	15	12	401	IX
customer preferences		43	31	30	14	2	459	IV
Source of information		25	32	28	17	18	389	XII
Inexpensive		31	30	20	23	16	482	II
Faster to complete		27	32	20	23	18	399	XI
Reduce risk		35	37	32	8	8	443	VII
Avoid barriers		24	22	30	20	24	362	XIV
Less expensive		42	35	29	9	5	460	III
Safety of documents		35	40	28	5	12	441	VIII
Access from anywhere		30	25	35	15	15	400	X
Cash liquidity		50	20	20	18	12	458	V
Convenient		18	32	27	20	23	362	XIV
MEAN		33.875	27.75	24.4375	13.6875	13.6875		
S.D		15.32264	9.13236	10.71428	6.332127	9.421385		

Source: Primary survey, 2017; Total Weighted Score; 500=75×5+20×4+5×3+10×2+10×1



Table 18: Investor behaviour towards distrust in online trading

Preferences	Investors behaviour towards distrust in online trading (weightage)					TWS	RANK
	Strongly Agree (5)	Agree (4)	Can't Say (3)	Disagree (2)	Strongly Agree (1)		
Inadequate technology	24	32	36	22	6	406	VIII
Risk of system failure	34	60	12	10	4	470	III
Professional management	16	20	44	16	24	348	XII
High transaction cost	22	22	44	22	6	380	XII
Lack of sufficient information	32	43	5	30	10	417	VII
More chances of fraud	60	20	10	12	18	452	V
Poor communication network	20	43	22	10	25	383	X
Lack of transparency	30	6	28	6	50	320	XIV
Delay in filling forms	40	42	1	20	17	428	VI
Security issues	60	21	9	17	13	458	IV
Inadequate infrastructure	6	19	5	25	65	236	XV
Wait and watch attitude	78	10	20	10	2	512	II
Risk of new announcements	10	34	6	50	20	324	XIII
Unable to trade	79	30	1	5	5	533	I
Portals runs very slow	35	35	5	25	20	400	IX
MEAN	36.4	29.13333	16.53333	18.66667	19.92857		
SD	23.00248	14.28719	15.0564	11.46838	17.54586		

Source: Primary survey, 2017; Total Weighted Score; 533=79×5+30×4+1×3+5×2+5×1

3.19. Future prospects of online trading

While analysing the future prospects of online stock trading among different investors, it was analysed by Total Weighted Score method the rank analysis, it observed that the investors believe that in future the online trading will become trustworthy, it will reduce the transaction cost and will provide opportunities at large scale for investment. These factors provide a linkage between the change in technology

of trading and adaptability by the investors. Moreover, mean and standard deviation were also observed, it was noted that mostly investors hold a positive response towards the future of online stock trading. However standard deviation being 9.1 in the segment of agree reveals that overall respondents reveals that investors had high level of agreeance towards future of online trading (Table 19).

Table 19: Future prospects of online trading

Prospects of online trading	Future prospects of online trading(weightage)					TWS	RANK
	Strongly agree (5)	Agree (4)	Can't Say (3)	Disagree (2)	Strongly Agree (1)		
Stock investment information.	45	30	15	20	10	440	XV
More profitable	32	28	2	38	20	374	XVIII
Enhance effectiveness in stock trading	80	22	1	7	10	515	VII
Provides useful information	92	10	0	8	10	526	III
Easy to use	56	32	6	6	20	458	XII
Less mental effort	3	5	3	50	59	203	XXI
Easy to operate	75	25	12	4	4	523	IV
Flexible to interact with	53	40	7	10	10	476	X
Online trading would be a good idea	34	26	54	6	0	448	XIV

Continue...

Prospects of online trading	Future prospects of online trading (weightage)					TWS	RANK
	Strongly agree (5)	Agree (4)	Can't Say (3)	Disagree (2)	Strongly Agree (1)		
Wise idea	10	14	16	30	50	264	XIX
I like the idea of using online trading for stock trading	80	16	0	14	10	502	IX
Pleasant experience	50	32	8	30	0	462	XI
Trustworthy	92	20	0	5	3	553	I
It is not opportunistic	10	10	4	32	64	230	XX
It is predictable.	54	26	10	20	10	454	XIII
Costs are very low	93	17	0	0	10	543	II
Speed is very fast	82	18	1	9	10	513	VIII
It is transparent	28	32	14	22	24	378	XVIII
Insecurity for private information	50	20	3	27	20	413	XVI
Unable to get compensation	80	20	0	18	2	518	VI
occurrence of fraud and hacker	92	8	1	8	11	522	V
Mean	56.7	21.4	7.4	17.3	17		
SD	29.2	9.1	11.9	13.1	18.3		

Source: Primary survey, 2017

4. Conclusion

Maximum respondents were of the age group 30-40 years who are Doctor, Professor, Advocates, teachers etc. Married respondents were keener to make investments as compared to unmarried. Government officials were largely inclined for investment options involving high risk. As far as investors perception towards future prospects of online stock trading were concern, study has observed that the online trading would emerge as more trustworthy platform of investment, and will provide opportunities at large scale for investment.

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