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IMPACT OF INSIDER TRADING ANNOUNCEMENT ON SHARE PRICES: EVIDENCE FROM INDIAN SECURITIES MARKET

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Abstract: Insider trading has posed severe problems for stock markets and investor safety. This article looks at the recent insider trading announcements of an Indian company, Infosys, for which an insider trading announcement occurred on July 15, 2020. By using an event study methodology with the help of MS Excel software, analyzes the effects of the announcements on its stock prices. The stock prices prior to and after 81 days from the date of the announcement of insider trading are selected for analysis. The data is collected from the NSE website. It has been discovered that the announcement of insider trading has no significant impact on the price of its shares. It can be implied that, insider trading is a misuse of internal information about a company and is carried out to earn personal financial gain, it has no impact on the public. Even though it is illegal because other investors are disadvantaged as they cannot access such information. The existing literatures has mainly examined the connection between insider trading and abnormal returns or stock prices separately. There is, however, a dearth of research that thoroughly examines the interactions among insider trading, normal returns, abnormal returns, stock prices, and stock returns in the Indian context. For a thorough understanding of how insider trading affects stock prices, it is essential to comprehend how these interrelationships work.

Index Terms - Insider Trading, Share Price, Market Price, Normal Return, Abnormal Return

INTRODUCTION

Insider trading has posed severe problems for stock markets and investor safety. It is unethical to trade in a company's securities using sensitive information that has not been made public. (Antoniadis et al., 2015). As a result of its potential to influence a company's stock price, the information is referred to as "price sensitive." Insider trading refers to the use of such private information to make an erroneous profit or loss. An insider is a person who holds a position with the company whose stock they trade. (Chakraborty, 2022). He could be one of the company's directors, presidents, or senior executives, for instance, who owns more than 10% of the stock. Even if a person is not employed by the company executive. This could be legal or unlawful depending on the kind of pertinent information the insider has access to (Chakraborty, 2022). Trading existing shares of the company's stock by an insider who possesses secret information is prohibited. On the other hand, if the information is already widely known, these individuals can trade without fear of legal repercussions. To prevent problems with information asymmetry, laws have been passed in every country requiring insiders to disclose information about purchasing or selling company shares (Antoniadis et al., 2015).

The common assumption regarding insider trading is that a security's price will rise or fall based on material information. Nevertheless, it is only sometimes accurate. For instance, if there is a company insider with

favourable information about it but who cannot buy its stock, the price increase is then avoided for those who sell in the window of time between when the insider learns of the information and when it becomes known to the public. However, there is no absolute evidence supporting the argument that insiders' abnormal profits are due to their access to the company's private information(Hoang et al., 2015)

RESEARCH OBJECTIVES:

- To comprehend the impact of the announcement of insider trading on stock prices.
- To ascertain the impact of insider trading in the relationship between the normal return and abnormal return of shares.
- To ascertain the impact of insider trading in the relationship between stock price and stock return.

HYPOTHESES:

- 1. H0- Announcements of insider trading does not have an impact on stock price movement H1- Announcements of insider trading has an impact on stock price movement.
- 2. H0- There is no significant relationship between normal return and abnormal return of shares due to insider trading

H1- There is a significant relationship between normal return and abnormal return of shares due to insider trading

3. H0- There is no significant relationship between stock price and stock return due to insider trading H1- There is a significant relationship between stock price and stock return due to insider trading

VARIABLES OF THE STUDY:

- → Date of insider trading announcement
- → Stock Price
- → Market Price
- ➔ Stock Return
- ➔ Market Return
- → Normal Return
- → Abnormal Return

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S. Chakraborty, (2022) stated that the act of purchasing, selling, or subscribing to a company's securities while in possession of any unreleased price-sensitive information (UPSI) about the company is known as insider trading. If insiders of a public limited company trade based on price-sensitive, undisclosed information to make a profit or avoid a loss, it will be regarded as illegal, according to the regulations on insider trading. According to B. Cornell and E. Sirri (1992), the method the market uses to obtain information from insider traders is quite convoluted. In contrast to a trade-by-trade analysis, the relationship between the insider's purchase and the rise in the share price can be tracked daily. Observing the overall picture of the stock market T. Hoang, E. Neuhauser, and H. Varamini (2015) suggested that it may be difficult to develop an investment strategy by using insider trading information. Large stocks, where insider trading has little financial value, make up most of the market capitalization. S. Nanda and P. Barai (2020) inferred that Indian investors apparently do not adhere to the information hierarchy hypothesis. If there is abnormal price, return, and volume movement following an insider trade, this indicates that the market is not efficient. D. Rosenfeld (2018) pointed out that there were times when the market failed to recognize the presence of insider traders and that there were times when prices moved the opposite way. It shows that not all market information is disclosed through insider trading. The relationship between firm-year net insider purchases, subsequent returns, and changes in ROA was examined by F. Brochet and P. Lee (2016). They discovered that insiders are more likely to purchase shares prior to rising stock prices but not prior to rising earnings (apart from value stocks). So far, there is little proof that Indian insiders have traded on information about upcoming earnings. I. Antoniadis, C. Gkasis, and A. Sormas (2015) claimed that when insiders sell stocks, the market typically reacts negatively, not immediately after the announcement. It will take a minimum of 10 days. The findings are insufficient to support a nebulous correlation between insider stock purchases and stock prices. Despite evidence of a negative relationship for some event periods, statistical tests have not supported the existence of either a strong or semi-strong form of market efficiency. S. Chakravarthy and J. McConnel (1999) suggested that future studies on the impact of insider trading on market price should first identify the impact of non-insider trading and then ascertain whether insider trading has a different impact than non-insider trading.

RESEARCH METHODOLOGY

Research Design: The study is descriptive and exploratory in nature.

Source and type of Data: This article examines recent insider trading disclosures made by the Indian company Infosys, for which disclosure was made on July 15, 2020. Secondary data were employed here. The share price and market price of the specific share were obtained from the National Stock Exchange's official website.

Period of Study: For analysis, the stock prices before and after 90 days (13/05/2020 to 16/09/2020) from the specific date of the announcement of insider trading are chosen.

Tools used for analysis: An event study methodology were adopted here. T- statistics analysis, Correlation analysis, and regression co efficient using market models were undertaken to check the validity of the hypotheses. All the analysis are done by using Ms Excel -2019 software.

RESULTS AND DISCUSSIONS

Event Study Methodology

An event study is a tool for determining how a specific event affected a company's stock returns.

Event day- July 15, 2020, denoted by 0, the date on which the announcement of the event (insider trading) occurred.

The event window- it is also known as the window period (taken as 81 days), is the time period during which abnormal returns are calculated by taking a few trading days from the sample company's pre- and post-event days into account.

Window estimation- 51 days it is the time frame used to calculate estimated returns.

Table 1- Calculation of Stock Return, Market Return, Normal Return, Abnormal Return, and t Statistics of Abnormal Return.

			Mark)	/ t-
Perio		Stock	et	Stock	Market	Normal	Abnormal	Statistics
d	Date	Price	Price	Return	Ret <mark>urn</mark>	Return	Return	of AR
	13/05/202					/		
-4 <mark>5</mark>	0	712	703.95					
		1		-			C (-	-
	14/05/202	707.6		0.0061282	0.0237237			1.0011748
-44	0	5	720.85	9	4	83	73	82
				-	-		-	-
	15/05/202				0.0999264			1.1539909
-43	0	664.8	652.3	78	92	35	43	85
				-			-	-
	18/05/202	659.8			0.0176269		0.0176742	
-42	0	5	663.9	07	57	08	15	55
	19/05/202			0.0062696		0.0056311	0.0006384	0.0337064
-41	0	664	668.6	13	38	61	52	93
	20/05/202				0.0014198		0.0035582	0.1878569
-40	0	668.5	669.55	47	71	52	96	23
				-			-	-
•	21/05/202						0.0072857	
-39	0	666.5	672.2	57	7	81	38	92
							-	-
•	22/05/202		(1) 0 0 0 0				0.0026748	
-38	0	675	692.35	51	93	57	06	85
	25/05/202			0.00/01/20	-	-	0.0011645	1 < 450015
27	26/05/202	(02	COO 55				0.0311645	
-37	0	693			13		11 Sycel 2019	39

Source- Secondary data from NSE website analysed using Ms Excel 2019.

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	lierg			0 = 0 =		,		
				_			_	_
	27/05/202	686.0		0.0100794	0.0359346	0.0181129	0.0281923	1 4883914
-36	0	5	705.45	88	0.0555510	0.0101129	96	6
	28/05/202					0.0037753		1.3887400
-35	0	707	707.4		8	07	47	81
				-	-	-	-	-
	29/05/202		691	0.0207224	0.0234564		0.0131670	0.6951425
-34	0	692.5	691	28		72	56	41
	01/06/202	698.7		0.0089847			0.0010876	
-33	0	5	699.55	86	47	42	44	7
	00/06/000			0.0025012	0.0101400	0.0070205	-	-
-32	02/06/202	700 5	708.1	0.0025013				0.2814576 24
-32	0	700.5	/08.1	41	55	76	35	24
	03/06/202			0.0144560	- 0.0092931	0 0014341	0.0158901	0 8389060
-31	03/00/202	710.7	701.55				55	63
01	0	,101,	, 01.00	-	01	21	-	-
	04/06/202			0.0123169	0.0087987	0.0063850	0.0187020	0.9873565
-30	0	702	7 <mark>07</mark> .75	96	51	37	33	35
					-			
	05/06/202						0.0070873	
-29	0	707	7 <mark>03.55</mark>	62	77	06	57	38
	00/06/000			0.0000100	0.0040004	0.0100011	-	-
20	08/06/202	707.6	700.05	0.0009189				
-28	0	5	7 <mark>20.85</mark>	22	24	34	78	53
	09/06/202	Ń		0.0173015	- 0.00/15187	0.0006293	0.0166722	0 8801066
-27	0	720	717.6	91	61	28	62	76
- 1	0	720						
	10/06/202			0.0069686	0.0024416	0.0015270	0.0084957	0.4485226
-2 <mark>6</mark>	0	715	7 <mark>15.85</mark>	69	63	31	01	58
	2						(a.)	
	11/06/202	1					0.0004580	
-25	0	712	703.95	31	17	59	27	34
	10/06/000			-	0.0170401	0.00479.61	-	-
-24	12/06/202	675 0	692.05	0.0521807		0.0047861	0.0473945	
-24	0	675.8	092.05	37	24	82	55	21
	15/06/202			0.0251328	0.0065236	0.0002371	0.0253699	1.3393853
-23	0	693	687.55		53	68	93	22
	16/06/202				0.0196585	0.0110785	0.0018248	0.0963406
-22	0	702	701.2	05	99	66	39	97
				-			-	-
	17/06/202			0.0029959		0.0040897	0.0070856	0.3740819
-21	0	699.9	703.65		2	44	8	34
•	18/06/202	- 00 -	513 0	0.0117890		0.0088325		
-20	0	708.2	713.9	72	23	66	06	05
	19/06/202			0.0011289	- 0.0117652	- 0.0025025	0.0036315	0.1917231
-19	19/00/202	709	705.55	0.0011289 87	0.0117032 56	0.0023023 42	0.0030313	0.1917231 94
-17	0	707	105.55		- 50	72		-
	22/06/202			0.0026834	0.0026255	0.0014475	0.0041310	0.2180924
-17	0	707.1	703.7	28	12	74	02	05
				-			-	-
	23/06/202			0.0162535				
-16	0	695.7	720.65	66	54	7	36	28

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					-			
-15	24/06/202 0	716.9	714.15			- 0.0013335 96	0.0313514 24	1.6551694 17
-14	25/06/202 0	704.8 5	700.5			0.0057584 11	0.0111929 36	0.5909207 11
-13	26/06/202 0	710.2	748.2			0.0310532 92	0.0234916 85	1.2402218 05
-12	29/06/202 0	735.4				0.0070259 13	0.0418938 62	2.2117476 91
-11	30/06/202 0	732.8				0.0050558 36	- 0.0085975 91	0.4539018 85
-10	01/07/202 0	737.2 5	731.9			0.0001973 41	0.0058568 93	0.3092092 57
-9	02/07/202	737.3 5	756.6	3	2	7		31
-8	03/07/202 0	755	762.7		0.0080300	0.0060528 14		0.9292948 86
-7	06/07/202 0	765.2	764		0.0017030 2		0.0101011 62	0.5332815 24
-6	07/07/202 0	769.4		0.0054737			0.0138363	0.7304752
-5	08/07/202	784.9				0.0081345 29	0.0280798 6	1.4824502 48
-4	09/07/202 0	780	781.7				0.0127323 32	- 0.6721917 12
-3	10/07/202 0	773.5	781.85			0.0026652 21	- 0.0110334 71	0.5825018 81
-2	13/07/202 0	788	797.05	0.0185724 2		0.0109039 2		0.4048513 45
-1	14/07/202 0	792.9 5	783.25	0.0062620 78	- 0.0174654 82	- 0.0049661 28	0.0112282 06	0.5927827 7
0	15/07/202 0	799	830.95			0.0281324 32		- 1.0839496 9
1	16/07/202 0	900.1	911		0.0919732 73	0.0423323 17	0.0768126 05	4.0552504 67
2	17/07/202 0	911	903.15	0.0120370 29		0.0011579 91	0.0131950 2	0.6966188 59
3	20/07/202 0	908.5	934.3	- 0.0027480 09	33	32	- 0.0199854 41	- 1.0551128 95
4	21/07/202 0	945	936.75			0.0037141 4		1.8834761 15

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		0.000		-	-	-	-	-
5	22/07/202 0	938.9 5	917.9	0.0064226 98	0.0203279 85	0.0062032 76	0.0002194 21	0.0115841 53
	23/07/202	915.6		- 0.0251280	- 0.0108991	- 0.0021282	- 0.0229998	- 1.2142541
6	0	5	907.95	34	41	15	19	93
	24/07/202	903.2		- 0.0136348	0.0162773	0.0096172	0.0232520	- 1.2275713
7	0	5	922.85	26	97	41	66	25
0	27/07/202	921.5	0.40.45	0.0200576	0.0273623	0.0144080	0.0056496	0.2982654
8	0 28/07/202	5	948.45	65 0.0261855	65 0.0150685	64 0.0090947	01 0.0170907	46 0.9022898
9	0	946	962.85	34	63	94	41	4
	20/07/202	052.0		0.007/24/	-	-	0.0000752	0 4720204
10	29/07/202 0	953.2 5	954.15	0.0076346 3	0.0090767 45	0.0013405 91	0.0089752 21	0.4738384 92
10	30/07/202		75 1115	0.0091372	0.0076216	0.0058763	0.0032609	0.1721582
11	0	962	961.45	52	7	13	39	45
12	31/07/202 0	969.2 5	966	0.0075081 26	0.0047212 73	0.0046227 88	0.0028853 38	0.1523287 66
12	0	5	900-	-	-		- 50	-
	03/08/202			0.0095892	0.0094649			0.4266249
13	0	960	956.9	92	41	66	26	95
	04/08/202	960.4		0.0004 <mark>686</mark>	0.0073948	0.0006136	0.0010823	0.0571399
14	0	5	9 <mark>49.85</mark>	4	15	77	17	14
	05/08/202			-	0.0054266	0.0000000	-	-
15	05/08/202	952	944.7	0.0088368	0.0054366	0.0002326	0.0090695	0.4788103
	-						/.	-
10	06/08/202	052.5	070.95		0.0273045			
16	0	953.5	970.85	9	6	81	91	89
	07/08/202			0.0165894	0.0207630	0.0063913	0.0229807	1.2132496
17	0	5	950.9	75	72	17	92	7
	10/08/202			- 0.0214254	0.0004731	0.0027867	- 0.0242122	- 1.2782637
18	0	948.9	9 <mark>51.35</mark>	81	24	76	57	37
	11/00/202			0.0010522	-	0.0010(00	-	-
19	11/08/202 0	949.9	948.45	0.0010532 97	0.0030529 55	0.0012628	0.0002095 39	0.0110624 35
		7.505	7.00.10	-			-	-
20	12/08/202	0.40	054.05	0.0020022	0.0068299		0.0075363	
20	0	948	954.95	14	1	22	35	54
	13/08/202			0.0071473	0.0039346	0.0008817	0.0062656	0.3307871
21	0	954.8	951.2	92	38	81	11	47
	14/08/202	955.8		0.0010991	0.0025199	0.0036713	0.0025722	- 0.1358018
22	0	5	953.6		51	96	94	66
				-	0.00.100.1	0.001015	-	-
23	17/08/202 0	954 1	957.5	0.0018325 09	0.0040814 25	0.0043462 51	0.0061787 6	0.3262019 38
23	18/08/202	7.77.1	751.5	0.0102190	0.0104413	0.0070949		
24	0	963.9	967.55		82		0.0031241	

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					-	-		
	19/08/202			0.0072359	0.0085632	0.0011186	0.0083545	0 4410726
25		070.0	050.0					
25	0	970.9	959.3	22	51	64	86	27
				_	_		_	-
	20/00/202			0.0104066	0 00 4225 4	0.0007005	0.0101450	0 (000004
	20/08/202			0.0124366	0.0043354	0.0007085	0.0131452	0.6939904
26	0	958.9	955.15	82	56	51	33	39
20	0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	755.15	02	50	51	55	57
					-	-		
	21/08/202	963.0		0.0043185	0.0066703	0.0003005	0.0046191	0 2438618
<u> </u>								
27	0	5	948.8	37	68	77	14	7
				_	_		_	_
	24/08/202			0.0168062	0.0014766	0.0019441	0.0187503	0.9899071
28	0	947	947.4	38	38	07	45	17
20	0	747	777.7	50	50	07	Ъ	17
					-	-		
	25/08/202			0.0005278	0.0098648	0.0016811	0.0022090	0 11662/13
29	0	947.5	938.1	44	37	98	42	12
	26/08/202	941.2		0.0066181	0.0134471	0.0083940	0.0150122	0.7925554
30	0	5	950.8	58	82	47	05	88
50	0	5	750.0	50	02	+/	05	00
			-		-			
	27/08/202			0.0197245	0.0039518	0.0008743	0.0188501	0.0051768
31	0	960	9 <mark>47.05</mark>	05	45	44	61	34
					-	-	-	-
	28/08/202	951.4		0.0089461	0.0125380	0.0028365	0.0061096	0.3225520
32	0	5	9 <mark>35.25</mark>	48	17	22	26	38
32	0	5	933.23	40	1 /		20	38
					-	-	-	-
	31/08/202	935.2		0.0171732	0.0071357	0.0005017	0.0166715	0 0001501
33	0	5	928.6	64	98	-31	32	17
								1
				-		-		
	01/09/202	926.2		0.0096696	0.0156834	0.0041959	0.0054737	0.2889824
34	0	5		97	04	3	67	48
54	0	5	914.15	97	04	5	0/	40
				-				-
	02/09/202			0.0122201		0.0072142	0.0194343	1.0260196
							the second se	
35	0	915	924	11	0.0107174	6	71	55
	03/09/202			0.0124899	0.0124225	0.0079511	0.0045387	0.2396208
_		1						
36	0	926.5	935.55	8	2	97	83	51
						- N~		
					_			
	04/09/202			0.0124899	0.0176852	0.0050611	0.0074288	0.3922000
37	0	915	919.15	8	62	15	66	84
57	0	715	717.15	0	02	15	00	04
							-	-
	07/09/202			0.0042532	0.0063984	0.0053476	0.0010944	0.0577786
38	0	918.9	925.05	37	6	53	16	68
	08/09/202	929.9		0.0119535	0.0152871	0.0091892	0.0027642	0.1459367
39	0	5	939.3	19	27	55	64	6
					_	_		
	00/00/000			0.005.11	0.0100=-	-	0.000100-	0.40400.15
	09/09/202			0.0054157	0.0123726	0.0027650	0.0081807	0.4318949
40	0	935	927.75	08	17	38	46	07
40	0	755	121.15	00	17	50	40	07
							-	-
	10/09/202			0.0003208	0.0131707	0.0082745	0.0079537	0.4199123
41	0	935.3	940.05	04	65	82	78	66
				-			-	-
	11/09/202			0.0004277	0.0059923	0.0051721	0.0055998	0.2956409
42	0	934.9	945.7	62	29	27	88	27
–	-	,, , ,,	7-3.1					
	1 1 100 000			0.0233638	0.0339931	0.0172738	0.0060899	0.3215144
	14/09/202							
43		957	978 /	າ	Q	17	73	72
43	0	957	978.4	2	9	47	73	73
43		957	978.4	2 0.0232388	9 0.0041308	47 0.0043676	73 0.0188712	73 0.9962889
	0 15/09/202			0.0232388	0.0041308	0.0043676	0.0188712	0.9962889
43 44	0	957 979.5						

				-	-	-	-	-
	16/09/202			0.0255403	0.0323251	0.0113883	0.0141520	0.7471427
45	0	954.8	951.2	43	06	24	19	43

The date wise stock price and market price were derived from the website of National Stock Exchange. The stock return and market return are the natural algorithms of stock price and market price respectively. The market model or single factor model is used to find the normal return.

$$NR = \alpha + (\beta * MR)$$

Abnormal return is the difference between Stock Return and Normal Return.

AR= SR-NR

t statistics of abnormal return= AR/SE, in which SE is the Standard Error, which can be calculated as:

The calculated value of Standard Error $SE = \frac{\sigma}{\sqrt{n}}$ was 0.018942. The values of t statistics are the determinant of significance of the event (here, insider trading) in the share price of the company. Here, the t statistic value of the event date is calculated as -1.08394969. Criteria for hypothesis testing is that if the calculated value of t statistics is greater than the t table value at 95% confidence level i.e. 1.96, then the particular event is significant. Otherwise, the calculated value of t statistics is less than 1.96 the event is said to be insignificant. Hence, the **null hypothesis in hypothesis 1 is accepted** that the Announcements of insider trading does not have an impact on stock price movement. It is evident that for most of the pre- and post-event dates, the t-statistic value is insignificant. Thus, it can be inferred that the announcement of insider training had no significant impact on stock prices on its announcement date or before and after the announcement day.

Table-2 Firm characteristics regression coefficients using market model

Company Name	Pre and post period of Announcement of insider trading				
	α	β			
Infosys India Ltd	0.002582	0.432191			

Source: Calculation done in Ms Excel 2019.

The Table 2 shows that the vertical intercept or the alpha value of the shares of the company which is calculated as, 0.002582 indicates that the shares of the company has earned a return corresponding with the risk, here risk will be the occurrence of the undesirable event i.e. Insider trading. The occurrence of insider trading does not impact the returns of a share. The slope or beta value of the shares of the company which is calculated as 0.432191, denotes that the share price of the company is less volatile than the market prices. The values of alpha and beta founds to be again evidence that the occurrence or the announcement of insider trading does not make any significant impact on share price, return from share price and market volatility.

Table-3 Karl Pearson's correlation - coefficient between Normal Return and Abnormal Return of the

	share.			
	Normal Return	Abnormal Return		
Normal Return	1			
Abnormal Return	0.00694076373081725*	1		
Source: Calculation done in Ms Excel 2019				



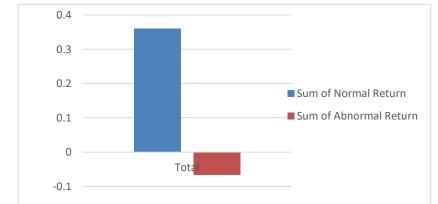


Figure-1

Pivot table showing the relationship between Normal Return and Abnormal Return of the share.

Source: chart draw upon the calculations done in Ms Excel 2019.

The Table 3 represents the value of correlation co efficient between the normal return and abnormal return of the shares of the company. At 0.01 significant level, the value of correlation co- efficient is 0.00694076373081725. This value indicates that there is no linear relationship between normal return and abnormal return of the shares. The figure 1 also depicting the relationship between the sums of normal return and abnormal return of the shares.

Upon the calculated value of correlation co efficient and the pivot table in the figure the **null hypothesis in the hypothesis 2 can be accepted** that, there is no significant relationship between normal return and abnormal return of shares due to insider trading in a company. It can be inferred that due to the occurrence of insider trading, no relationship is formed between the normal return and the abnormal return of the shares.

Table – 4 Karl Pearson's correlation - coefficient between Stock Price and Stock Return

	Stock Price	Stock Return
Stock Price	1	
Stock Return	0.0681680782470531*	1

Source: Calculation done in Ms Excel 2019

The Table 4 shows the value of correlation co efficient between the Stock price and stock return of the company for the 81 days which include after and before 40 days of the announcement of the insider trading in the company. At 0.01 significant level, the value of correlation co- efficient is 0.068168078247053. The value indicates that there is a weak relationship between stock price and stock return of the company for the given period.



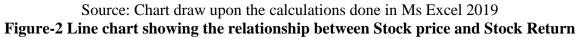


Figure 2 depicts a line chart which represents the stock prices and stock returns of the company for the selected time period. From the chart also it is evident that there is only a weak positive relationship between stock price and stock return and it is not much significant. The values of stock prices are narrowly varying day by day perhaps the value of stock return stood constant all over the period. During the period, the stock price may increase or decrease but the stock return remains constant all over the period.

With the correlation value of 0.06 **the null hypothesis in hypothesis 3 can be accepted** that there is no significant relationship between stock price and stock return due to insider trading in the firm for the time period.

MANAGERIAL IMPLICATIONS

Most previous research on the subject claimed that insider trading is an additional informational advantage held by those who have a direct or indirect relationship with the companies in order to engage in trading activities and profit financially. The statistical analysis revealed that the announcement of insider trading does not have any significant impact on the share price movement of a company. It is found that the t statistic value of the event day is less than 1.96, hence it is insignificant. The value of the regression coefficients was also stated to be the same. The calculated values of the correlation coefficients between normal return and abnormal return and stock price and stock returns also depict that the occurrence of insider trading does not produce any relationship between the said variables. Whatever the share prices, the stock return remains constant.

CONCLUSION

Insider trading is the practice of using such confidential information to make an unethical profit or loss. The typical view of insider trading is that the price of a security will change based on relevant information. The previous studies on the subject commonly depict that the claim that insiders' abnormal profits are attributable to their access to the company's confidential information is unsupported by any concrete evidence. It is clear from the study's findings that the price of a company's shares is not significantly affected by the disclosure of insider trading. The share's normal return and abnormal return do not correlate in a linear way. The price of a stock and its return have only a weak correlation, thus it is not significant. The stock return is constant regardless of share prices. It can be inferred that; insider trading is the improper use of corporate information for personal gain only; it has no bearing on the general public. Even though it should be regarded as illegal, this is because insider trading disadvantages other investors by preventing them from accessing such information.

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