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A STUDY ON CONSUMER BUYING BEHAVIOUR ON ONLINE SHOPPING IN INDIA

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Abstract

The recent growth of e-commerce and the consumer's increasing interest in purchasing over the net have significantly changed the landscape of Indian retail market. Now customers are inclined to accept the changes and keep their eyes on the benefits they can obtain from online retailers. The recent example of changing consumer purchase pattern is the Amazon & flipkart 'Big Billion days' Sales. The growth in online sales can be partially attributed to the Internet's advantages of providing large amounts of information quickly and inexpensively and its growing accessibility. Reach its full potential, business owners who use ecommerce as a distribution channel need a clearer understanding of who buys online, what they buy online, why they buy online, and how the non-Internet buyer can be transformed into an online buyer in order to increase online sale.

The purpose of this study is to understand and analyze the factors effecting online shopping decisions of Indian customer. The paper attempts to identify the determinants of online purchase intentions of youths in Indian context. Based on extensive literature review, factors effecting online purchase intentions, antecedents of service quality and consumer attitudes were identified and a structured-non-disguised questionnaire was prepared. The data was collected through survey of 300 students of graduation and post-graduation courses in Kanchipuram district, Tamil Nadu State. The questionnaire contained questions about consumer demographics, security and privacy concerns, technological familiarity, past online shopping experiences and intentions to buy various types of products through internet in future.

The findings of the study indicate that customer online purchase intentions are significantly related to their gender, education, age, security concern, technological familiarity, and past online purchase frequency. Consumer buying behavior is also affected by product type, purchase frequency and expensiveness. Their shopping decisions are also found to be related with the online retailer's services like return, refund and delivery services.

The framework of the research enhances understanding of the factors affecting customer online shopping behaviour, helps in profiling typical Indian online shoppers and may help e-marketers developing more specific marketing strategies to increase e-commerce sales.

Keywords: Customer Strategy Online, Shopping Intentions, Online Shopping, Customer Characteristics-Commerce.

1. INTRODUCTION

Today, internet acts as a channel through which millions of people communicate, perform research, find entertainment and most recently buy and sell products and services. In fact, online shopping is one of the most popular activities that take place on internet. Here are some statistics to validate the above statement.

India currently has a base of 150 million internet users which accounts to be the third largest in the world [4].

Number of users accessing the web through mobile devices has almost doubled every year since 2009.

The size of e-commerce market in India is worth around Rs 10,500 crore, out of which the pure play online shopping market is worth Rs 1, 4500 crores. While online shopping globally is growing at around 8-10%, in India the growth rate is upwards of 30%. [3].

India's online customer base of around 25 million shoppers could increase as much as 1550% and reach 420 million shoppers within 13 years.

Social media activity is a strong indicator of how much shoppers will buy, both online and in stores. There are 82.7 million Facebook, users in India, representing 72% of the country's online population, according to social bakers, which tracks activity on social networks.

Although the country recently has 180 million internet users, but only approximately 12 million users transact online (9% of online users). This shows that e-commerce industry is still in its nascent stage in India. Though online shopping is very common outside India, its growth in Indian market, which is a large customer market, is still not in line with the global market. This is the reason that triggered the idea of conducting research in this area.



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There is a huge opportunity for e-retailers as the average annual growth of this market is estimated around 78% by Internet and Mobile Association of India. The no. of online buyers is expected to increase to approximately 68 million users transacting online by 2021. Today, an Indian shopping online may do two to three transactions per month. In just another two to three years as the market grows and matures, the average online shopper could be doing four to five transactions permonth.

Therefore, industry should focus on the factors that affect the buying behavior of Indian customers. Although many studies have shown that customer characteristics are important when it comes to online shopping, but majority of those researches are performed outside India. To fill this gap, the following research is proposed to examine how different customer characteristics affect customer purchase intentions while shopping online inIndia.

2. LITERATURE REVIEW

ADOPTION OF ONLINE SHOPPING IN INDIA

Last three decades have seen a phenomenal growth of World Wide Web. A wide acceptance of internet technology in the field of business has changed the traditional retail format to the new form popularly known as internet shopping or online shopping. The internet is a platform that provides the customer with purchase characteristics as no other medium. There are certain characteristics which make internet a more convenient & attractive place to shop for consumers as compared to the traditional way of shopping, such as the facility to view and purchase products any time, visualize their needs with products, compare between different brands of products, discuss products with other consumers, option to pay on delivery etc.

Online-shopping is the process consumers go through when they decide to shop on the internet. The internet has developed into a new distribution channel (Hollensen, 2004) and the evolution of this channel, e-commerce, has been identified by Smith and Rupp (2003) to be the most significant contribution of the information revolution. Today, internet has developed into a highly competitive market and in order to have an impact on customers and to retain them, it is the first step to identify certain influencing aspects when purchasing online, these can be regarded as factors. The proposed research will be focused on identifying & analyzing these factors.

CONSUMER CHARACTERISTICS AND ITS IMPACT ON ONLINE PURCHASING

Many previous researches have been done in the field of e- commerce. In a study conducted by Kunz (1997) on online shopping, it was found that customer demographics affect the purchase intentions in a significant manner. The results of the study says that men are more likely to purchase via internet, and those who intend to shop online are likely to be young. The study also explored that people living in large metropolitan areas do less shopping online as compared to those who live in suburban areas.

Another research conducted by Donthu & Garcia (1999) for consumer characteristics related to online shopping, it was found that consumers who seek convenience & variety do more shopping online. They also found that such people are also more innovative and spontaneous. In a study by, Siu and Cheng (2001) it was found that economic benefits, product availability, security risk are also important factors in classifying online shoppers.

Zhou et al. (2007) discovered that customer traits, internet self-efficacy, prior online shopping experience, shopping orientations, economic benefit perception, risk perception are some of the factors affecting online shopping acceptance of customers.

Few other studies (Fram & Grady, 1997; Mehta & Sivadas, 1995; Sultan & Henrichs, 2000) also reported that gender, marital status, residential location, age, education and household income are important predictors of internet purchasing.

These customer characteristics will be studied specifically for the online customers. The characteristics will be studied to segment the online consumer by analyzing:

- The customer's demographics
- Life patterns concerning Online Behaviour, such as how much the consumer uses the Internet, & for what purposes.

Prior experiences have also been identified to be relevant for what Beliefs and Attitudes the customer has towards online shopping and are therefore also important for the research.

These are the customer characteristics that are relevant for this research and need to be identified in order to find out who the online customer is and what affects him when shopping online.



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3. RESEARCH OBJECTIVES & HYPOTHESIS

Following objectives have been framed for the research:

- To know about the customer buying behaviour
- To find popular e-tailing websites.
- To know about the most popular category of item Shopping online.
- To study the impact of demographic characteristics of customers on their online purchase pattern.

Based on the literature review following hypothesis have been framed:

H1: As compared to females, males are more likely to engage in online shopping.

H2: Age is positively related to online buying.

H3: Education is positively related to online shopping.

H4: Income is positively related with online shopping.

H5: The greater the concern for security and privacy issues, the lower is the likelihood of a consumer engaging in online shopping.

H6: Consumer familiarity with the technology positively influences their online buying decision.

H7: Higher the frequency of online purchases made in the past; more likely such customers would be engaging in online shopping in future.

4. RESEARCH METHODOLOGY

The present research work is descriptive and analytical based on empirical observation and comprehensive survey. In order to test the above framed hypotheses, a survey of consumers residing in Bareilly region was carried out with the help of a 'structured non-disguised' questionnaire.

A pilot study was also conducted on a sample of 17 respondents. Some modifications, additions and deletion of questions are made according to the results of pilot study & suggestions of subject experts. Then the final study was conducted on a sample of 300 respondents in the Kanchipuram district, Tamil Nadu, India.

The sample was drawn using convenience sampling method. The questionnaire developed for the study was personally administered to 300 respondents in the month of September-November 2020. Questions were prepared using nominal, ordinal scales. Percentage method, Correlation analysis and Chi-Square test were used for analyzing the responses.

5. ANALYSIS OF STUDY

Following tables shows the summary of responses given by respondents:

Table.1. Classification of respondents on the basis of gender (In percentage)

Male	67
Female	33

Table.2. Classification on the basis of Age (No. of respondents)

Less than 15 years	12 (5%)
15-30 years	120 (12.5%)
30-45 years	140 (60%)
Above 45 years	28 (22.5%)

Table.3. Classification on the basis of education level (No. of respondents)

Under Graduate	35
Graduates	85
Post Graduates	110
Professionally Qualified	70



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Table.4. Average Monthly Income (No. of respondents)

Less than 15 thousand	65
15 -30 thousand	125
30 -50 thousand	70
More than 50 thousand	40

Table.5. Purpose of using internet (in Percentage)

Communication	62
Information Gathering	45
Entertainment	110
Shopping	83

Table.6. Popular e-tailing websites (in Percentage)

Amazon	35
Flipkart	28
Jiomart	21
Ebay	15
Paytm	8
Others	8

Table.7. Popular categories of items purchased online (in Percentage)

Gadgets /Mobiles	41
Tickets	28
Home Appliances	16
Books/CDs/Software	8
Travel Packages	4
Others	3

HYPOTHESIS TESTING

For testing various hypotheses, Correlation analysis and Chi- Square test has been performed on the collected data. Results are presented below in the various tables.

frequency for last year	1-5 times	Count	60	40	106
		Expected Count	61.1	44.9	106
	5-10 times	Count	54	36	90
		Expected Count	51.9	38.1	90
	10-15 times	Count	34	24	58
		Expected Count	33.4	24.6	58
	more than 15 times	Count	25	21	46
		Expected Count	26.5	19.5	46

Total	Count	173	127	300
	Expected Count	172.9	127.1	300

Table.10. Chi- Square Tests

	Value	df	symp. Sig. (2-sided)
Pearson Chi-Square	15.001 ^a	4	.004
Likelihood Ratio	15.170	4	.005
Linear-by-Linear Association	7.875	1	.005
N of Valid Cases	300		

It can be observed that gender significantly affects the online purchase frequency (p<0.01). It can therefore be concluded that males are more likely to engage in online shopping.



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AGE AND ONLINE PURCHASE FREQUENCY

Correlation analysis has been used to see whether there exists any relationship between age and online purchase frequency of the respondents. The following table shows the results.

Table.11. Age and past online purchase frequency cross- tabulations

		Age				Total
		less than 15 yr	15-30 yr	30-45 yr	above 45 yr	
Past Online purchase frequency for last year	never	never	15	21	2	
	1-5 times	1-5 times	0	17	22	32
	5-10 times	5-10 times	0	0	56	32
	10-15 times	10-15 times	0	0	33	9
	more than 15 times	more than 15 times	0	0	24	0
Total		15	38	181	66	300

CONSUMER FAMILIARITY WITH TECHNOLOGY AND ONLINE PURCHASE FREQUENCY

Correlation analysis was performed to check the relationship between technology familiarity and online purchase frequency. The following table summarizes the results.

Table.12. Technology familiarity and past online purchase frequency cross-tabulations

		online purchase frequency for last year					Total
		never	1-5 times	5-10 times	10-15 times	more than 15 times	
Technology familiarity	Not so familiar	27	0	2	0	0	29
	Average knowledge	12	72	14	6	0	104
	Very much familiar	26	41	69	36	24	196
Total		38	113	83	42	24	300

Table.14. Correlations

		Technology familiarity	Past online purchase frequency for last year
Past online purchase frequency for last year	Pearson Correlation	1	.686**
	Sig. (2-tailed)		.000
	N	300	300
Technology	Pearson Correlation	.686**	1



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familiarity	Sig. (2-tailed)	.000	
	N	300	300
**. Correlation is significant at the 0.01 level (2-tailed).			

Total	Count	171	126	300
	Expected Count	171.0	126.0	300.0

The value of r is significant at 99% confidence level. Therefore, it can be interpreted that consumer familiarity with the technology positively influences their online buying decision

6. FINDINGS & IMPLICATIONS

The objective of this paper was to assess the impact of customer characteristics on their online shopping intentions. Based on the review of literature, a total of six customer-related factors were identified and examined in the study. Major findings of the study and their implications are as follows:

- Both the genders are likely to purchase goods/services online but as compared to females, males do more online shopping.
- Most of the time people use internet for communication purpose i.e. for e-mail, chatting, social networking etc. but people also use internet for entertainment, information gathering and shopping purpose.
- It has been analyzed that people in the age group between 30-45 years are more interested in doing online shopping as compared to other age groups.
- Income has a positive relationship with online purchase frequency. People having higher income are more engaged in purchasing goods over internet.
- Education level of respondents was also found to be positively correlated with online purchase frequency implying that the higher the education level of people, more they have tended to prefer buying goods online.
- The most popular website for online shopping was flipkart. Although many people are also aware about ebay and homeshop18.
- The most popular items purchased by people over internet are books followed by tickets and apparels.
- Customers' concern for security is found to be negatively correlated with their online purchase decision. People highly concerned about security of personal information, passwords, financial transactions are less likely to do online shopping.
- Technology familiarity of the respondents is found to be positively related with past online purchase frequency. The implications are once again that people having high knowledge of technology are more likely to shop online.
- The managerial implications of above findings are that the online marketers need to target their products to young and more educated customers earning higher income. Educated persons are likely to be more internet savvy and higher income enables them to purchase more online provided they are sufficiently exposed to online shopping outlets and motivated to place orders online. The findings of the study suggest that online marketers should ensure about the high security of personal information of customers and financial transactions along with providing good experience of online shopping so that customer may continue purchasing online in future also.

7. CONCLUSION

Though online shopping is very common outside India, its growth in Indian market, which is a large customer market, is still not in line with the global market. According to India B2C E-Commerce Report 2018, e-tailing accounts for less than 1 percent of the overall retail market in India in 2020. While it accounts for over 5 percent if the total retail market in China and 10% in the UK and the US. This shows that only a small fraction of internet users in India are currently online shoppers. The reason could be that it is not the technology but the way customers feel about high-tech purchasing that is holding back the development of the industry (Reda, 1995). Hence this is imperative that marketers understand the depth of customer intentions for this medium of retailing.

It can be concluded on the basis of study that online shopping is gaining popularity among people of young generation. Higher income groups and educated people are purchasing more via e-retailing websites. People have hesitations in doing online shopping due to security concerns. At the same time people are resistant to change because of technological complexity in making online purchase. Companies involved in online retailing should focus on building trust- worthy relationship between producers and customers.



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REFERENCES

1. Joseph Alba, John Lynch, Barton Weitz, Chris Janiszewski, Richard Lutz, Alan Sawyer and Stacy Wood, “Interactive home shopping: consumer, retailer and manufacturer incentives to participate in electronic marketplaces”, Journal of Marketing, Vol. 61, No. 3, pp. 38-54, 1997.
2. “The Internet Shopper” in “Marketing White book 2013- 14”, Business World, 2014
3. Kumar Shefali, “Consumers’ Behavioral Intentions Regarding Online Shopping”, Ph. D Thesis, School of Merchandising and Hospitality Management, University of North Texas, 2000.
4. Franziska Brecht, Kerstin Schäfer, Annika Baumann and Oliver Guenther, “Shopping Online – Determining Consumer Acceptance of Online Shops”, Proceedings of the Seventeenth Americas Conference on Information Systems, 2011.
5. Billy Bai, Rob Law and Ivan Wen, “The impact of website quality on customer satisfaction and purchase intentions: evidence from Chinese online visitors”, International Journal of Hospitality Management, Vol. 27, No. 3, pp. 391–402, 2008.