A Comparative Study on Customer Buying Behaviour Towards Online Marketing with Reference to Flipkart and Amazon

Mrunali sambhaji gaidhane, Prof. Abhijeet Gajbhiye*
*(Assistant Professor)
Department of MBA, Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur

***Abstract*— The growth of e-commerce has considerably transformed consumer purchasing behaviour, especially in Asia such as India. Online retailing markets are an extension of contemporary retail consumption with the rising use of internet, digital payment methods, and smartphones. This paper will focus on and compare customer purchasing behaviour on two major online shopping websites, Flipkart and Amazon. The study examines the effects of different factors like the level of perceived value, trust, convenience, product variety, price strategies, and service quality on consumer decisions. The study determines trends in customer preferences and their level of satisfaction using a mixture of both primary survey data and secondary literature. The results show a specific similarity in attracting consumers by the two platforms, yet there are distinctions in brand trust, effectiveness in delivery, and perceived reliability. The research helps to comprehend the dynamic changes in online consumer behaviour and provides suggestions to enhance digital marketing approaches within competitive online shopping or e-commerce settings.**

Keywords: **Buying behaviour of consumers, e-commerce, online marketing, Flipkart, Amazon, Customer satisfaction, digital consumerism, Purchase decision, Perceived value, trust.**

I. INTRODUCTION

Consumer buying behaviour has seen a radical change with the introduction of online technology and internet marketing. Purchasing decisions in the traditional way were affected by touching the products, its store and even person-to-person interaction. The emergence of e-commerce platforms however has transformed this paradigm to an online market that is influenced by the digital interface, algorithmic suggestions, and online reviews.

The cascading access to the internet, cheap smartphones, and developments in digital payments have contributed to the massive online retail growth in the Indian context. E-commerce sites like Flipkart and Amazon have been instrumental in reshaping the process of search, assessment, and purchase of goods by consumers. All these capabilities are not only available on these platforms, but they also cover the aspect of personalized suggestions, user reviews, and instantaneous returns, ultimately affecting consumer perceptions and decisions.

The online consumer consumption behaviour is a complicated phenomenon consisting of cognitive, emotional and social layers. The online consumers use intangible cues like the website design, the brand reputation, security perceptions, and reliability of the delivery as opposed to the traditional retail where customers are more reliant on tangible cues. The physical inspection not being conducted leads to the importance of trust and perceived risk in the decision-making. Furthermore, promotional techniques, e.g. discounts, flash sale, targeted marketing etc., also influence their preferences.

This paper aims to contrast and compare the differences in the functioning of these factors in Flipkart and Amazon thus affecting customer purchase behaviour. These patterns of behaviour are critical in the understanding by marketers who want to formulate powerful strategies in a fiercely competitive digital market environment.

II. LITERATURE REVIEW

Understandings of consumer buying behaviour in online situations are based on a number of theoretical models, which describe consumer purchasing behaviour. The Theory of Planned Behavior is one of the most applicable ones that imply that behavioral intentions within attitudes, subjective norms, and perceived behavioral control determine the actions of consumers. Perceived usefulness, convenience and past experiences determine attitudes towards online shopping in the setting of e-commerce, whereas peer reviews and social media will have an impact on subjective norms.

The other theoretical lens is the Technology Acceptance Model (TAM), which serves to describe the acceptance of and use of new technologies by users. Based on this model, user acceptance is largely determined by means of perceived usefulness and perceived ease of use. On websites such as Amazon and Flipkart, ease-of-use, powerful search engines, and personal-store algorithms have been shown to promote perceived usefulness, which in turn stimulates a returning and buying behaviour.

Perceived risk theory is also a major concept to be used in the interpretation of the online consumer behaviour. Online purchases have uncertainties about product quality, safety of their payment, and reliability of delivery unlike in conventional shopping. These risks have been mitigated through the mechanisms of building trust like secure payment gateways, returns policy and customer reviews as found out by the researchers. Amazon, in particular, has been well known to place a lot of focus on customer trust and service consistency, and Flipkart has effectively mitigated the perceived risk by resorting to localized approaches such as cash-on-delivery.

Moreover, the consumer decision making process model provides stages of the process problem recognition, search of information, alternatives evaluation, purchase decision and post purchase behaviour. Here digital tools accelerate this process and take place in online environments. Customers have a fast rate of product comparisons, reviews as well as price comparisons and this saves a lot of time in decision-making. The sheer amounts of information, however, may also result into decision fatigue whereby heuristic cues like brand reputation and ratings may carry more weight.

Perceived value is another theoretical dimension that involves combining the functional and emotional benefits. Price competitiveness, product quality and convenience are functional values and then there are emotional values, which are associated with satisfaction, enjoyment and brand attachment. Research has indicated that Flipkart is more likely to attract price-sensitive shoppers with aggressive discounting initiatives, and Amazon appeals to consumers with a more reliant and higher-end service and a more extensive ecosystem of its products.

Moreover, relationship marketing theory is also becoming a significant factor in e-commerce. This is a theory that focuses on interaction with customers in the long run and not just a single transaction. Aspects of loyalty programs, custom-made contact, recidivism services (e.g., Amazon Prime) create retention and loyalty to the brand.

Overall, according to the available literature, online consumer behaviour is a matter of the interplay of technological, psychological, and social factors. Although Flipkart and Amazon function in the same digital environment, they have different strategies that result into different consumer perception which has an impacted effect on consumer purchasing behaviour. This work is based on these theoretical frameworks to create the comparative study on the customer preferences and experiences.

III. RESEARCH METHODOLOGY

Research methodology gives the systemic structure according to which the research problem is considered and analyzed. It describes the steps and methods of gathering, processing and interpreting data. The methodology used in this research aims at learning and contrasting customer buying behaviour with Flipkart and Amazon in regards to online marketing.

Research Design

Research design is the general strategy that incorporates various parts of the research in a smooth and logical way. It assures effectiveness of the research problem.

The descriptive and comparative research design has been adopted in this study. Descriptive research assists in comprehending the nature of consumer purchasing behaviour including preferences, attitudes as well as satisfaction degrees. Meanwhile, the comparative approach will be applied to the differences between Flipkart and Amazon on the customer perception and experience.

This research design suits well since the study does not aim at manipulating variables but it observes and interprets existing trends in consumer behaviour in a real-life context.

Key Points:

Type: Descriptive and Comparative.

Nature: Non-experimental

Purpose To explain and compare consumer behaviour.

Data Type

The research will be grounded on both secondary and primary data, thereby creating a broad analysis.

Primary data is generated by individuals, with the help of structured questionnaires. This information is an actual dynamic consumer experience, opinion and preference regarding online shopping sites.

The secondary data is derived via research journals, research articles, web pages and past studies in the field of e-commerce and consumer behaviour. It gives theoretical underpinning and background of research.

The two types of data combined increase reliability and validity of the study.

Key Points:

Primary Data: Survey (Questionnaire)

Secondary Data: Research papers, websites, journals.

Method: Mixed (Qualitative + Quantitative).

Hypothesis

A hypothesis is a possible assumption (tentative) to confirm the relationship between variables. It gives it a foundation in terms of statistical analysis and enables conclusions drawing.

The hypotheses in this study are based on investigating whether the difference in the customer buying behaviour between Flipkart and Amazon is significant.

Null Hypothesis (H0):

The difference in customer buying behaviour between Flipkart and Amazon is not significant.

Alternative Hypothesis (H1):

Customer buying behaviour is quite different when it comes to Flipkart and Amazon.

Data is used to test these hypotheses in order to ascertain whether observed differences are statistically significant or insignificant.

Analytical Instruments.

Data analysis is an essential process in a transformation of raw data into insights. The tools of basic statistics and analytical methods are applied in this study.

The percentage analysis is used to know the distribution of responses and determination of trends in consumer preferences. It makes the interpretation of the data easy and outlines results clearly.

Moreover, the data ought to be presented in a more organized and easily comprehensible form through tabulation and graphical representation (bar and pie charts).

As needed, comparison is performed to compare Flipkart and Amazon in terms of delivery, customer satisfaction and price.

Key Points:

Percentage Analysis

Tabulation

Charts and Graphs

Comparative Analysis

Limitation of The Study.

Any research study is also prone to some limitations which can impact the generalizability and validity of results. It is also significant to recognize such limitations to establish transparency and credibility.

The limited sample size is one of the significant weaknesses of this research as it might not be a true reflection of the whole population of online consumers. Also, convenience sampling can be a biasing factor due to the selection of respondents on the basis of their availability and not randomly.

Self-reported data will also be the basis of the study, which can be affected by personal favoritism or wrong answers. Moreover, the consumer behaviour is dynamic and can vary with time because of the technological development and the trends in the market.

Finally, the research is limited to the two platforms-Flipkart and Amazon and does not take into account other emerging e-commerce players.

Key Points:

Limited sample size

Convenience sampling bias

Risk of bias in respondent.

Time constraints

Research limited in two platforms.

Conceptual Framework

The conceptual framework gives a systematic depiction of the connection among variables that affect the customer buying behaviour at the online marketing. It is built on well-searched theories like the Technology Acceptance Model (TAM), Theory of planned behavior (TPB), and Perceived Risk Theory to understand how consumers are adopting technology and how they make decisions to purchase in digital platforms.

Here, customer buying behaviour is viewed as a dependent variable since it is affected by various independent variables that relate to online shopping systems such as Flipkart and Amazon.

The model presumes a non-random nature of consumer choices by supplying a mixture of functional, psychological and technological influences. The purchase intention and ultimate buying decision of consumers are directly or indirectly dependent on variables like price, convenience, trust, product variety and service quality.

The theoretical point that the Technology Acceptance Model reveals is that perceived usefulness (e.g., convenience, time-saving) and perceived ease of use (e.g., website/app usability) have a strong influence on the consumer acceptance of online platforms. Equally, the Theory of Planned Behavior notes that attitudes (to online shopping), subjective norms (peer and review influence), and perceived behavioural control (ease of access and paying options) cause behaviour intentions.

Moreover, Perceived Risk Theory also reiterates that uncertainty posed by online transactions, including product quality, safety of payment, and reliability of delivery, can adversely affect buying behaviour unless it is overcome by any of the trust-building strategies, such as a product return policy and a recognized brand.

The Study variables.

Independent Variables (Factors that have an Impact):
Price and Discounts
Inconvenience and Oxfacility.
Product Variety
Customer Reviews and Rating.
Trust and Security
Quality of Delivery and Service.

Dependent Variable:

Customer Buying Behaviour (Purchase Decision, Frequency, Satisfaction)

Moderating Variables (Optional):
Age
Income
Education Level
Internet Usage Experience.

Conceptual Relationship Explanation

According to the framework, the more the consumers are likely to perceive increased value in terms of affordability, convenience and trust, the more they are likely to make a purchase. As an example, competitive pricing could be used to appeal to price-sensitive consumers and effective delivery and brand trust to attract quality-conscious buyers.

Moreover, social proof in the form of customer reviews and ratings, has influence on attitudes and perceived risk. The shopping experience is made easy through navigation and user interfaces, which boost the level of customer satisfaction and repurchase behaviour.

In such a way, the conceptual model determines that the buying behaviour of customers is the result of interaction between technological, psychological perception, and service-related factors of online platforms.

Summary

The conceptual framework combines various behavioural theories to clarify the effect of various factors on the decisions made during online purchases. It points out that Flipkart and Amazon both influence consumer behaviour by using a mix of pricing techniques, technological, and the quality of service. Knowing these relationships will assist in identifying some of the drivers of customer preference and making online marketing effective.

IV. DATA ANALYSIS. AND RESULTS

Data analysis is a very essential phase of a research where the data is organized, summarized and interpreted to derive meaningful conclusions. In the current research percent distribution was used to analyse the data obtained at the stage of collecting responses and was illustrated in the form of tables and other graphical presentations to achieve a deeper comprehension.

Table 1: Preference of Online Shopping Platform

Platform	Number of Respondents	Percentage (%)
Amazon	55	55%
Flipkart	45	45%
Total	100	100%

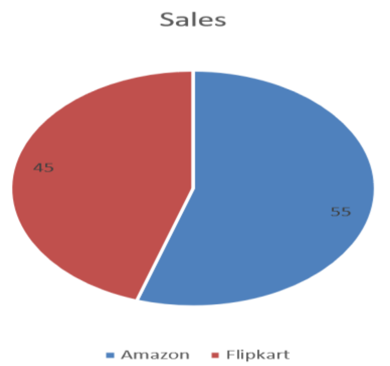

Fig 6.1 Preference of Online Shopping Platform

Interpretation

The table and pie chart above show clearly that most of the respondents (55 percent of the total) would choose Amazon over Flipkart which is chosen by 45 percent of the respondents. Though the gap is not that big, the fact remains; there is a tangible tendency towards Amazon among consumers.

This preference can be viewed in various behavioural and theoretical ways. To begin with, Amazon seems to be a more competent brand image when it comes to the aspect of perceived trust and reliability. Consumers usually perceive it as increased authenticity of the products, safe transactions and stable services. In an online setting, where physical verification of products is not applicable, trust is very important and it has a great impact on decisions to buy.

Secondly, perceived value is a concept that explains this preference. Although Flipkart is characterized by an advantageous price and high-rate discounts, Amazon offers a so-called value proposition, which is more balanced, including a moderate price and a high delivery speed, as well as effective customer support. It means that current buyers are not only price-sensitive but overall experience plays an important role.

According to the Technology Acceptance Model (TAM) Amazon can have a higher score in regards to perceived ease of use and usefulness. Its user-friendly interface, customized suggestions and smooth buying experience adds to enhanced shopping experience allowing more customer satisfaction and purchase intention.

The preference of Flipkart is equally high (45percent) though. This segment is probably price-sensitive consumers, as they are more affected by discounts, festal selling and localized marketing strategies. Its affordable nature combined with the strong market presence in Indian markets means that Flipkart can be a competitive substitute.

This fairly near rivalry (55 percent vs 45 percent) indicates that the games between the two platforms are stiff and customer loyalty is not inherent. Rather, customers can change platforms depending on certain aspects like offers, product urgency or availability.

V. RESULT SUMMARY

The review demonstrates that:

- Amazon is a little ahead of competition in terms of general customer preference.
- Flipkart has continued to be a formidable competitor, particularly within the price sensitive couples.
- Trust, convenience and perceived value are not one-dimensional factors of customer buying behaviour, but rather the product of the three.
- Both platforms have great roles in the formation of online consumer behaviour, as the market is highly competitive.

VI. DISCUSSION

In order to comprehend the findings of this study, it is more relevant to take them in the perspective of the available theoretical and empirical literature on consumer buying behaviour. The preference towards Amazon observed confirms previous studies that highlighted how trust and perceived reduction of risk in an online shopping environment is beneficial. Research based on Perceived Risk Theory claims that consumers are more willing to use platforms which reduce uncertainty over the quality of the product, safety of payment, and trustworthiness of delivery. Such perceived risks are reduced by Amazon strong logistics network and customer centred policies.

Simultaneously, the high percentage of those who would prefer Flipkart can be compared to the literature concerning the relevance of price sensitivity to the emerging markets. Studies suggest that consumers of developing economies tend to focus on the price, as well as promos, which is why Flipkart has managed to draw a huge number of users by offering discounts and sales during this season.

The results can also be echoed by the Technology Acceptance Model (TAM), whereby, perceived usefulness and ease of use determine technology adoption. The interface, recommendation mechanisms, and the smooth checkout experience make Amazon seem to be more useful than Flipkart that still makes its offers and services accessible to different consumer segments.

Additionally, the findings confirm the concepts of consumer value theory, according to which the buying decisions are made based on a trade-off between the benefits and costs. Although Amazon is perceived to provide better service, Flipkart provides economic value leading to different tastes in its consumers.

Therefore, the study fulfills the role of establishing that online buying behaviour does not occur when only one factor is prevailing but the result of a product between economic, technological and psychological factors.

VII. FINDINGS

The paper demonstrates that the online shopping behaviour of customers is influenced by a number of interconnected factors as opposed to a simple determinant. Amazon exhibits a slightly better tendency amongst consumers, mainly because of its reliability, quicker delivery and uniformity in terms of quality of service. Nonetheless, Flipkart is quite competitive, attracting price-conscious shoppers by offering price cuts and promotion tactics.

The other significant observation is that trust and convenience are more decisive determinants as compared to price alone in determining purchase choice. There is a growing interest among consumers in secure payments and quick-turnover of items as well as delivery turnover. Moreover, the availability of reviews and ratings has a great influence on decision-making since they serve as social evidence, and alleviate uncertainty.

The results also suggest that there is no such thing as absolute consumer loyalty. Most of the users alternate platforms based on situational conditions which are availability of products, urgency and prices. This points out to the dynamic consumer behaviour over the internet.

VIII. CONCLUSION

The experiment comes to the conclusion that Amazon and Flipkart are influential in the formation of customer purchasing behaviour in the virtual market. Although Amazon has a minor lead as far as overall preference is concerned, Flipkart still has a significant presence associated with its pricing tactics and its localization strategy.

The result of hypothesis testing is that the null hypothesis (H_0) is rejected and it has been found there is a significant difference between customer buying behaviour at the two platforms. The other hypothesis (H 1) is thus rejected, which means that platform-specific aspects have a substantial impact on consumer decisions.

Generally, the research illuminates the fact that consumers in the present day are rational people and they consider various attributes before making a purchase. The triumph of e-commerce platform is the capacity to produce a well-balanced mix of trust, convenience, value, and quality of service.

IX. RECOMMENDATIONS

Judging by results it can be concluded that e-commerce platforms should consider the holistic strategy to increase customer satisfaction and loyalty. In the case of Flipkart, the gap in the perceived reliability can be bridged with the assistance of enhancing the logistics efficiency and the quality of customer service. The level of consumer trust would be augmented with the introduction of more measures related to product authenticity and speed of delivery.

In the case of Amazon, priority should be placed on preserving the quality of its service and providing more aggressive pricing schemes to appeal to price-sensitive segments. Personalization should also be a priority they are both able to achieve using data analytics since individualised suggestions can greatly affect the purchasing behaviour.

Moreover, the customer experience, as well as the policies of returning, can be improved, and the process of communication should be transparent, which will help to increase customer satisfaction. As a vital element, it is necessary to keep on investing in safe payment systems and customer service.

X. FUTURE SCOPE

The current research offers a lot of information on consumer buying behaviour although it creates a point of entry where other studies can be done. The scope of future research can be broadened, important through inclusion of more and more varied sample group to enhance the generalization. Other e-commerce platforms like Myntra or Meesho also could be compared to analyze market dynamics more holistically.

Additionally, more complicated statistical methods, e.g. regression analysis or structural equation modeling can be employed to test the power and the significance of the association among variables. The influence of new technologies, including artificial intelligence, voice commerce and augmented reality on consumer behaviour might be also investigated in the future.

The other potential area is the analysis of behavioural differences based on demographic segments including age groups, income levels, rural and urban consumers. Longitudinal studies can also be carried out to understand the variation in consumer behaviour over time due to fluctuation in technological and economic factors.

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