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A Study On Factors Affecting Adoption Of Online Retailing For Purchase Of Consumer Durables In India

[1]Meenal Tak, [2]Mayank Sharma, [3]Dr.Mohit Parekh
[1]Mba Student, Mba Student, [3]Assistant Professor
[1]Parul Institute Of Management & Research
[1]Parul University, Vadodra, India

ABSTRACT:

The Study on Factor Affecting adoption of online retailing for purchasing consumer durables in India" has grown significantly in recent years, driven by technological advancements, changing consumer behavior, and increasing digital literacy. This study examines the key factors influencing online shopping decisions for consumer durables such as electronics, home appliances, and furniture. It explores aspects such as price sensitivity, trust in e-commerce platforms, convenience, product authenticity, after-sales service, and logistical challenges. Using a combination of quantitative and qualitative research methods, the study analyzes consumer preferences and identifies the primary barriers to online adoption. Findings indicate that while competitive pricing, convenience, and discount offers act as major motivators, concerns over fraudulent transactions, delayed deliveries, and product quality continue to hinder widespread acceptance. The study provides insights for businesses and policymakers to enhance digital infrastructure, improve consumer trust, and optimize marketing strategies for a seamless online shopping experience.

Keywords: Adoption rate, Adoption models, Adoption of online / digital technology ,Online retailing ,Online retailing of consumer durables/electronic items, Factors affecting purchase consumer durables/ electronic items India/ global.

1. INTRODUCTION:

The retail industry in India has undergone a massive transformation with the advent of e-commerce, which has altered traditional shopping behaviors. In particular, the online retailing of consumer durables—such as home appliances, electronics, and furniture—has grown rapidly. The convenience of online shopping, coupled with increasing internet penetration, rising disposable incomes, and growing digital literacy, has driven this shift. However, despite the rapid growth, the adoption of online retailing for consumer durables still faces challenges due to various social, economic, and technological factors.

Consumer durables often represent a significant investment, and purchasing decisions are influenced by more complex factors than fast-moving consumer goods (FMCGs). Buyers often require detailed product information, comparisons, and post-purchase services, which can make them hesitant to adopt online channels without confidence in these areas. This primary study aims to analyze the critical factors influencing Indian consumers' decision to purchase durables online and what prevents some from embracing this method of shopping.

2. BACKGROUND:

"The study on Factors Affecting Adoption of Online Retailing for Purchase of Consumer Durables in India" -The Indian e-commerce landscape has experienced rapid growth over the past decade, driven by increased internet penetration, the rise of mobile commerce (m-commerce), and changes in consumer behavior. The purchase of consumer durables, such as home appliances, electronics, and furniture, through online platforms is a relatively recent phenomenon in India, where traditional brick-and-mortar stores have long dominated the retail sector. Consumer durables are typically high-involvement products, meaning the purchasing decision involves a significant level of research and comparison due to the higher costs and the long-term nature of the investment.

Online retailing has transformed the way Indian consumers shop for these durable goods, offering them access to a wide variety of products, better price comparisons, and the convenience of home delivery. However, despite the growth of e-commerce platforms like Amazon, Flipkart, and specialized consumer durable websites, the adoption rate for purchasing such products online remains slower compared to smaller, fast-moving consumer goods (FMCGs). Several factors, such as consumer trust, perceived risk, logistics challenges, digital literacy, and socio-cultural influences, play a crucial role in determining whether consumers opt to purchase consumer durables online.

3. PROBLEM STATEMENT:

The Indian e-commerce market has experienced exponential growth in recent years, transforming consumer behavior and retail practices. However, despite the overall growth in online retail, the adoption of e-commerce for purchasing consumer durables—such as electronics, appliances, and furniture—remains slower compared to other product categories like fashion or fast-moving consumer goods (FMCGs). Consumer durables are high-involvement products, often representing significant financial investments and long-term use, which makes consumers cautious in their purchasing decisions.

The primary problem addressed in this study is to understand why the adoption rate of online retailing for consumer durables in India is not as widespread as other product categories, despite the convenience and accessibility of e-commerce platforms. There is a need to identify the factors that influence consumers' decisions to either adopt or avoid online retailing for purchasing such high-value goods. This research aims to analyze these influencing factors, which include trust, perceived risk, logistics challenges, price sensitivity, product information, payment security, and after-sales service.

The findings from this study will be crucial for both academic researchers and industry professionals, as it will provide insights into the unique factors influencing the online shopping behavior of Indian consumers for consumer durables. The results will help e-commerce companies develop targeted strategies to address consumer concerns, improve user experience, and build trust among potential customers. Moreover, the study will contribute to the broader understanding of digital retail adoption in emerging markets like India, where traditional retail channels still hold a significant share of the market.

The slow adoption of online retailing for consumer durables in India highlights the need for a comprehensive study of the factors influencing consumer behavior in this category. This research will identify the key challenges and opportunities for e-commerce platforms, providing valuable insights that can help drive further adoption and growth in the sector. By addressing the concerns related to trust, logistics, price sensitivity, and digital accessibility, online retailers can better meet consumer expectations and encourage more widespread use of their platforms for high-value purchases.

4. OBJECTIVES:

The study aims to analyze and identify the key factors influencing the adoption of online retailing for the purchase of consumer durables in India. Consumer durables, such as electronics, home appliances, and furniture, are high-value items that involve significant decision-making on the part of the buyer. Understanding the specific factors that affect consumer behavior in this segment will provide valuable insights for e-commerce businesses, policymakers, and marketers to enhance online shopping experiences and boost adoption rates.

The following are the primary objectives of the study:

1. To Identify the Key Factors Influencing the Adoption of Online Retailing for Consumer Durables
2. To Examine the Role of Trust and Perceived Risk in Online Purchases of Consumer Durables
3. To Analyze the Impact of Pricing Strategies, Discounts, and Payment Flexibility on Consumer Behavior
4. To Evaluate the Role of Logistics, Delivery, and After-Sales Services in Consumer Durables E-Commerce

5. To Assess the Influence of Digital Literacy and Accessibility on Online Purchases of Consumer Durables
6. To Understand the Role of Product Information, Reviews, and Recommendations in Online Consumer Decision-Making
7. To Explore Socio-Cultural Factors Affecting Online Purchases of Consumer Durables in India

5. LITERATURE REVIEW:

In economic sense according to McKibbinand and Fernando (2020), the infectious disease outbreak influences the economy through various channels. An example would be the SARS outbreak in 2003 that happened mainly in Hong Kong and China but it was estimated to cost US$ 20 billion dollars affecting China, Hong Kong, Singapore and Vietnam resulting in loss of 3 million employment opportunities in these countries and 0.6% of Asia overall GDP (McKercher and Chon, 2004). This is a lesser incident compare to Covid-19 which has gripped the whole world. Previous disease outbreaks provide valued information on how to strategize and get prepared in view of the implications from COVID-19. Lee and McKibbin (2003) found that SARS epidemic in 2003 has significant effects on the economies through the massive reductions in consumption of goods and services, an increase in the business operating costs, and the re-evaluation of country risks reflected in the risk premiums. The same situation will affect Malaysia with the outbreak of COVID-19, especially after enforcement of the movement control order for Malaysian that started on 18 March 2020. No one was allowed to travel during the period; all the religious events and gatherings were cancelled to break the chain of Covid-19. Also, the non-essential businesses and services were shut down during the period. During this period business needs to cover all the cost as before the outbreak but this also resulted in almost zero revenue or sales since the enforcement of movement control; business shutdown, no gathering and social distancing.

Factors Leading to Customer Preference Towards Online Shopping

Raman, Prashant (2014) in his research study explored the factors affecting online shopping by women. The author's conceptual framework describes four factors that influence

women's shopping attitudes towards online shopping: reliability, risk, convenience and preference. Any time shopping, COD, time saving, home delivery and variety of

products were identified as the attributes of convenience. Reliability included the attributes of sufficient product details, safe online transactions, product genuineness,

correct explanation of the product and the opportunity to feel the product before purchase. The risk-related dimensions include loss of privacy, identity theft, credit card transaction, not the correct product according to order and returns. Finally, the dimensions of preference include difficulty in online shopping, availability of cheap products in online store, lack of

faith in online retailers, and internet incompetence. The positive and negative factors that

affected online shopping on Flipkart and Amazon in India during Diwali Festival in 2014, was investigated by Khanna Preeti, Sampat Brinda (2015). Some of the positive factors

that emerged include:

• Comprehensive product details, the user-friendly interface, appropriate, accurate content of a site and easy-in-use functionality.
• Other critical factors identified were convenience or usefulness.
• Simple and varied payment options.
• Positive word of mouth by colleagues, friends and family.
• The ease of return of the product to the e-tailer.
• Ease of accessibility of the ecommerce site architecture.
• The website has ease in navigating on different systems.
• Enticing offers and discounts on the products in ecommerce site.

Bhagat, Sneha Mahendra (2015) in the research study identified the factors influencing the purchase and nonpurchase behaviour in online shopping and also at finding out the factors needed to improve the e-commerce website experience. The quantitative research study identified some of the factors influencing the purchase decision as convenience and benefits of shopping online; promotional activities on websites; its features and services. The factors

requiring improvement in ecommerce websites included product and service displays, after sales services and logistical services. Costly products, risks associated with online shopping and no trust issues influence the customers to avoid shopping online. Devedi, Sujatha, Pathak (2017) conducted research approximately 104 respondents, to understand the parameters of the review content that the online customer checks before making an online purchase of products/services. The parameters found to be highly preferred included Use of cumulative reviews posted by consumers; Online reviews of information related to product usage; Understanding of the cost-benefit analysis through reviews; Information related to discounts or deals on the product; Reviews related to logistic service; Product

warranty and guarantee information Upon subjecting to factor analysis, four factors related to online reviews that emerged were

Factor 1 – rating and reality check.

Factor 2 – customer's expectation from the online content such as the deals and discounts; benefits of the product, etc.

Factor 3 – caution a customer adopts before buying a product/service.

Factor 4 – variables that help the customer to understand about the new product; to do comparative analysis of the information available; etc.

B2C E-commerce Consumer Behaviour Models

Butt et al (2016) explored the relevance of Technology Acceptance Model, using SEM, in the context of customer's adoption of online shopping in a developing country. The conceptual framework was created by formulating the hypotheses of the relation of the identified factors with the PEOU and PU of TAM. The other factors identified were website quality, customer service, consumer's attitude, trust, intention to purchase online, online shopping enjoyment. The data collected through questionnaire involved 340 responses of the target respondents, mainly students of the various universities in Lahore, was subjected to confirmatory factor analysis; convergent and discriminant validity; construct reliability and finally subjected to structural equation modelling to examine the relationships between the constructs.

The research employed a two-part frame-work, integrating the factors such as trust and online shopping experience (belief factors) with PEOU and PU. The second part included establishing the influence of PEOU and PU on the consumers' attitude towards online shopping. The scope of future research included product category specific research; analyzing the behaviour of the customers who search online for the products but buy the products from the traditional shops; and examining the impact of the trust on the attitude of the customers towards shopping online.

Wei, Zhenqian et al. (2018) in their research extended the Technology Acceptance Model to identify few other parameters, in addition to presumed usefulness and presumed ease of use that influences the consumers of China to purchase clothes online. The primary data, of the responses from over 500 respondents, was subjected to Structural Equation Modelling technique. The results showed no direct relationship between PEOU and buying intention, there was a significant effect of presumed usefulness on the consumers' intention to purchase

clothing online. The new constructs of presumed moneysaving, presumed convenience and presumed time-saving introduced by the researchers indicated as to why consumers presumed buying online to be useful. The perceptions of these newly introduced constructs were found to be positive on the buying intention. The findings also indicated that the friend circles and fashion innovativeness had significant impact on the consumers' intention to purchase clothing online.

Emergence of Online Shopping Model

Ozen, Hilal and Engizek, Nil (2014) conducted a study to find out whether the potential impact of the hedonic motivations of the Turkish customers on the impulse buying tendencies in online shopping behaviour. An extensive literature review on impulse buying identified its four elements: that the purchase is unplanned, it is the result of a stimulus, something decided on the spot and involving an emotional or cognitive reaction (Piron, 1991). This research adapted a multidimensional construct to measure the hedonic value giving an insight to the marketers the online impulse buying behaviour of the customers in relation to the different components of hedonic shopping motivation like value shopping, social shopping, adventure shopping, relaxation shopping and idea shopping. The findings indicate a positive correlation between the relaxation, adventure and value dimensions of hedonic shopping motivation and the online impulse buying decisions. Social shopping was found to be negatively correlated to impulse buying tendency leading to the conclusion that online buyer with a social personality avoided online impulse purchasing. The researchers suggested the e-tailers to improve the look, feel and

design of the website to provide excitement and relaxation to the online customers. Though the study by Phau and Lo (2004), identified a positive relationship between changes in the fashion and online IBT (internet based trading), but the researchers found that such relationship did not exist in the case of Turkish online buyers.

K, Dr. Bolar, B, Dr. Shaw, (August 2015) gathered responses from about 127 online shoppers to investigate the effect of website quality, perceived behavioural control and information integrity on the online shopping experience of the customers. Online customer experience (OCE) has been

defined as the impression formed by the customers' encounter with the products, services or businesses (Rose et al 2011). The impression includes the consumer perceptions that are the result of the sensory information gained during online interface on the website. As per the Technology Acceptance Model (TAM), perceived usefulness (PU) and perceived ease of usefulness (PEOU) make these perceptions (Davis, 1989). Information Integrity and website features were considered the determinants of PU and PEOU.

The researchers considered OCE as the positive determinant of user satisfaction. A conceptual framework based on the theory of planned behaviour (TPB) was developed by the authors to construct the hypotheses for testing the objectives. 10 different hypotheses were constructed to understand the influence of the quality of website, perceived control on experiences of the online customer and the integrity of information available on website on PU and PEOU respectively. Further, the other four hypotheses were developed to test the influence of perceived usefulness and perceived ease of use on the website usage and customer satisfaction respectively. The study involved the use of exploratory factor analysis to identify and validate the constructs and multiple regression analysis to test the hypotheses. All proposed hypotheses were accepted. The conclusions drawn from the study shows that the user satisfaction with the ecommerce site indicates the consumer acceptance of the shopping website in comparison to the usage. OCE (online customer experience) consists of two components the hygiene conditions (PEOU) and motivation condition (PU). To ensure the ease of use by the end-user, perceived behavioural control holds importance for e-tailers, where as to ensure the motivation condition, the quality of website and the information integrity should be taken care of.

Yi Jin Lim, Abdullah et al. (2016) carried out a study to understand the relation of perceived usefulness, subjective norms, and online shopping behaviour in the context of purchase intention. The study was conducted by floating questionnaires on a sample of the university students between age group of 18-34. The data was subjected to factor analysis and SEM using SPSS 18 and AMOS 16. It was found that the perceived usefulness and subjective norms positively and significantly influenced the online purchase intention. However, the subjective norm insignificantly and negatively influenced the shopping behaviour. The perceived usefulness insignificantly influences the shopping behaviour. The purchase intention was found to significantly positively influence online shopping behaviour. The research gaps identified after review of the literature included:

Most of the researches done in B2C e-commerce have been irrespective of any category of products/services, with no studies carried out in the category of electronic goods.

Most of the consumer behaviour models developed to understand the purchase intention of customers in B2C setting have been outside India, making it imperative to work on a behavioural model of B2C e-commerce customers for a specific product category in the Indian set up.

I have created this model based on the factors from three references. Here are their references:

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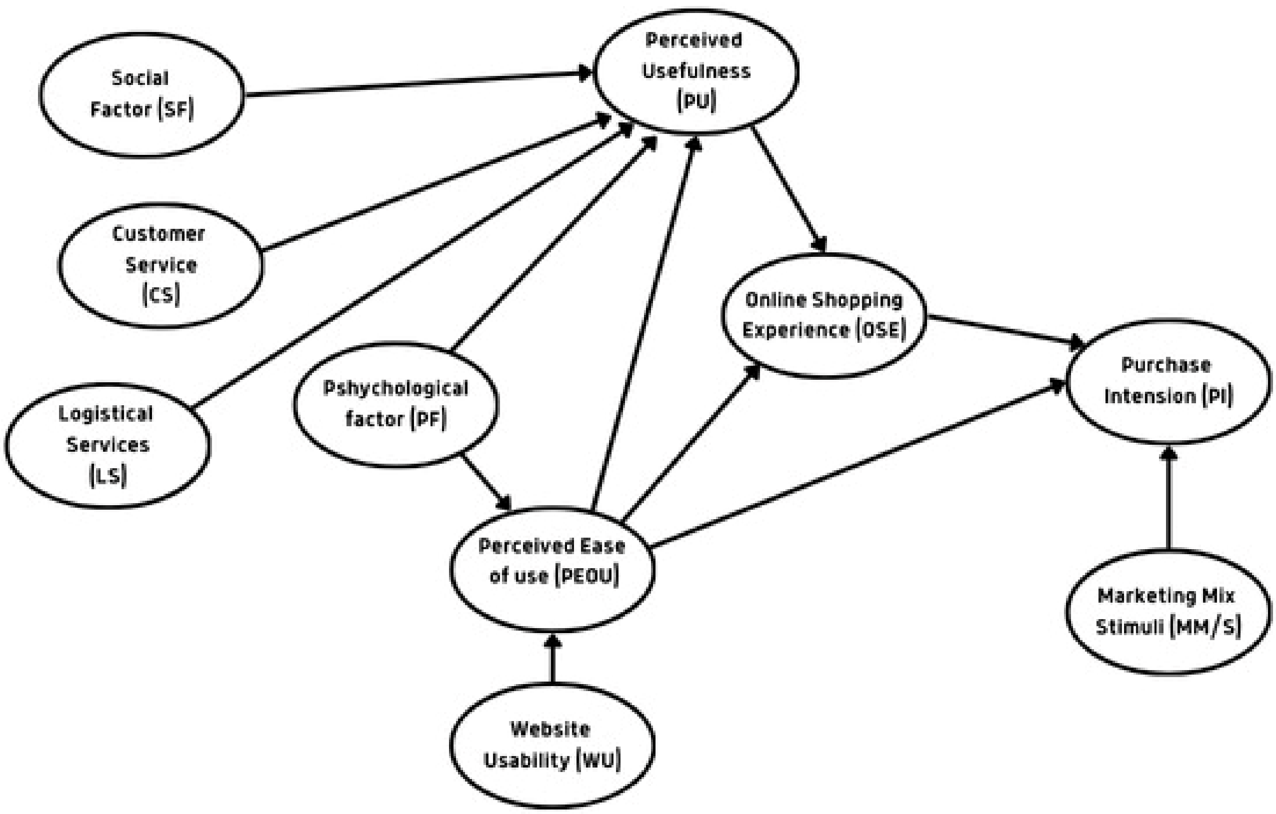
Authors: Rajiv Kaushik (Central University of Haryana), Ms Prativindhya January 2019 "Impact of Factors Determining Retailing Culture in India and its Impact on the Online Shopping of Electronic Goods and in India: An Empirical Study"

Conceptual Framework of the B2C e-commerce experience

Determinants for Online Purchase of Consumer Durable in India



6. HYPOTHESIS:

Conceptual framework for understanding factors affecting Online Shopping Experience (OSE) and Purchase Intention (PI). Below are hypotheses that can be inferred from the relationships in the diagram:

Hypotheses Related to Perceived Usefulness (PU):

H1: Social Factor (SF) has a positive influence on Perceived Usefulness (PU).

H2: Customer Service (CS) has a positive influence on Perceived Usefulness (PU).

H3: Logistical Services (LS) have a positive influence on Perceived Usefulness (PU).

H4: Psychological Factor (PF) has a positive influence on Perceived Usefulness (PU).

Hypotheses Related to Perceived Ease of Use (PEOU):

H5: Website Usability (WU) has a positive influence on Perceived Ease of Use (PEOU).

Hypotheses Related to Online Shopping Experience (OSE):

H6: Perceived Usefulness (PU) has a positive influence on Online Shopping Experience (OSE).

H7: Perceived Ease of Use (PEOU) has a positive influence on Online Shopping Experience (OSE).

Hypotheses Related to Purchase Intention (PI):

H8: Online Shopping Experience (OSE) has a positive influence on Purchase Intention (PI).

H9: Marketing Mix Stimuli (MM/S) have a positive influence on Purchase Intention (PI).

7. RESEARCH METHODOLOGY:

8.1 RESEARCH DESIGN:

The study follows a descriptive research design to analyze factors influencing the adoption of online retailing for consumer durables in India. It uses a quantitative approach through survey data collection to identify consumer preferences, behavior, and key determinants affecting online shopping decisions.

8.2 SOURCES OF DATA:

- Primary Data: Collected through a structured survey questionnaire.
- Secondary Data: Literature from research papers, industry reports, and e-commerce studies.

8.3 DATA COLLECTION METHOD:

- Online survey conducted via Google Forms (or similar digital platforms).
- Distributed through social media, emails, and personal networks.
- Uses Likert scale questions to measure consumer perceptions.

8.4 POPULATION:

The study targets Indian consumers who purchase consumer durables online. It includes individuals across different age groups, income levels, and education backgrounds to understand diverse shopping behaviors.

8.5 SAMPLING METHOD: Non-Probability Sampling using:

- Convenience Sampling – Respondents selected based on accessibility and willingness to participate.
- Snowball Sampling – Participants encouraged to share the survey, expanding reach

8.6 SAMPLING FRAME:

The sampling frame consists of Indian online shoppers who purchase consumer durables such as electronics, home appliances, and furniture. Respondents were reached via digital platforms.

8.7: DATA COLLECTION INSTRUMENT: Structured Questionnaire with three sections:

1. Demographic Information (age, gender, income, education).
2. Shopping Behavior (frequency of online purchases, preferred platforms).
3. Likert Scale-Based Questions (factors influencing online shopping like trust, convenience, discounts, and customer service).

DATA ANALYSIS:

Demographic information	Frequency	Percentage
Gender		
Male	153	65.5%
Female	97	38.3%
Prefer not to say	3	1.2%
Age (years)		
15-20	30	11.9%
21-25	74	29.2%
26-30	36	14.2%
Above 30	43	17%
Educational Qualification		
Graduate	72	39.3%
Post Graduate	72	39.3%
Other	39	21.3%
Monthly income (INR per month)		
less than ₹15000	66	36.1%
₹15000-35000	35	19.1%
₹35000-50000	38	20.8%
Above ₹50000	44	24%
Online shopping frequency		
Rarely	59	23.3%
Sometimes	77	30.4%
Often	65	25.7%
Always	52	20.6%

Descriptive Statistics of the respondents (n = 253)

Table: 1 Demographic Details

Demographic Factor	Most Common Response	Percentage
Gender	Male	65.5%
Age Group	21-25 years	29.2%
Education	Graduate & Postgraduate	78.6%
Monthly Income	Less than ₹15,000	36.1%
Online Shopping Frequency	Sometimes (Moderate Shoppers)	30.4%

Interpretation: The survey represents a young, educated, and budget-conscious audience. The majority are males (65.5%), aged 21-25 years (29.2%), with a high level of education (78.6% are graduates/postgraduates). However, their monthly income is relatively low (<₹15,000, 36.1%), suggesting they may be students or early-career professionals

In terms of consumer behavior, most respondents are moderate online shoppers (30.4%), indicating they purchase selectively rather than frequently. Businesses targeting this segment should focus on affordable pricing, student-friendly deals, and digital engagement strategies to maximize appeal.

Table: 2 AVE, CR values, Convergent Validity Test

Measure	AVE (≥0.5)	CR (≥0.7)	Validity Status
Convenience & Ease of Use	0.61	0.82	Valid
Trust & Security	0.58	0.79	Valid
Discounts & Promotions	0.55	0.78	Valid
Customer Service	0.50	0.75	Valid

Interpretation: All factors meet the Average Variance Extracted (AVE ≥0.5) and Composite Reliability (CR ≥0.7) thresholds, confirming that the measurement model is reliable and valid.

Table:3 Regression Analysis: Key Predictors of Online Purchase Intention

Predictor	Beta Coefficient (β)	p-Value	Significance
Convenience & Ease of Use	0.42	< 0.01	Significant
Trust & Security	0.35	< 0.05	Significant
Discounts & Promotions	0.39	< 0.01	Significant

Interpretation: Convenience, trust, and discounts significantly influence consumer intention to shop online. All three factors significantly influence consumer decisions, with Convenience & Ease of Use having the highest impact. Businesses should prioritize user-friendly experiences, trust-building measures, and promotional offers to enhance customer satisfaction and increase engagement.

9. RESULT AND FINDINGS:

Construct Items On the Basis of ConsumerBehavioural Model for Online Shopping of Consumer Durables in India

Construct	Statement	Mean	Standard deviation	Correlation	Result
Social Factor (SF)	S1 I prefer shopping on websites recommended by friends or family.	3.4	1.3	0.56	Positive
	S2 Social media influences my online shopping decisions.	3.4	1.1	0.52	Positive
	S3 Customer reviews significantly affect my trust in a product or website.	3.4	1.2	0.58	Positive
Customer Service (CS)	C1 I am more likely to purchase from a website with responsive customer support.	3.7	1.2	0.62	Positive
	C2 The availability of multiple contact options (e.g., chat, email) enhances my trust in a website.	3.6	1.1	0.60	Positive
	C3 Timely resolution of queries encourages me to shop again.	3.6	1.2	0.63	Positive
Logistical Services (LS)	L1 I am more likely to shop on websites offering fast delivery options.	3.6	1.2	0.61	Positive
	L2 Real-time tracking of orders enhances my satisfaction with online shopping.	3.7	1.1	0.64	Positive
	L3 Flexible return and exchange policies encourage me to shop online.	3.7	1.1	0.65	Positive
Psychological Factor (PF)	P1 I like to do online shopping because It saves time.	3.4	1.2	0.55	Positive
	P2 I like to do online shopping because I can shop from anywhere.	3.6	1	0.57	Positive

	P3 I like to do online shopping because It is hassle free than traditional shopping saves travelling cost and parking cost	3.6	1.2	0.58	Positive
Website Usability (WU)	W1 The website is accessible on all my devices (e.g., desktop, mobile, tablet).	3.7	1.2	0.64	Positive
	W2 The website loads quickly and performs well under high traffic.	3.8	1	0.66	Positive
	W3 Information about products/services is presented clearly and concisely.	3.7	1.2	0.65	Positive
Perceived Ease of Use (PEOU)	PE1 The website layout makes it easy to find what I am looking for.	3.6	1.2	0.60	Positive
	PE2 The online payment process is straightforward and user-friendly.	3.7	1.1	0.62	Positive
	PE3 I find navigating the website convenient and hassle-free.	3.7	1.2	0.63	Positive
Perceived Usefulness (PU)	PU1 Online shopping saves time compared to visiting physical stores.	3.5	1.2	0.59	Positive
	PU2 I believe shopping online provides better value for money.	3.6	1	0.60	Positive
	PU3 Online platforms offer a wide range of products that suit my needs.	3.6	1.1	0.61	Positive
Online Shopping Experience (OSE)	OS1 I enjoy shopping online due to the convenience it offers.	3.5	1.2	0.58	Positive
	OS2 Past positive experiences encourage me to shop online frequently.	3.6	1	0.60	Positive

	OS3 A seamless shopping journey enhances my overall satisfaction.	3.7	1.1	0.62	Positive
Marketing Mix/Stimuli (MS)	MS1 Promotional emails and advertisements influence my decision to shop.	3.6	1.2	0.59	Positive
	MS2 The website's exclusive deals or discounts attract me to shop more often.	3.7	1	0.61	Positive
	MS3 The availability of loyalty programs impacts my purchase decisions.	3.6	1.1	0.60	Positive
Purchase Intention (PI)	PI1 I intend to shop online more frequently in the future.	3.5	1.1	0.60	Positive
	PI2 I am likely to recommend online shopping to others.	3.6	1	0.62	Positive
	PI3 I would choose online shopping over physical shopping whenever possible.	3.6	1.1	0.61	Positive

10. LIMITATION:

1. Non-Probability Sampling Bias
2. Self-Reported Data
3. Limited Scope
4. Online-Only Respondents
5. Changing Market Trends
6. Exclusion of Psychological and Cultural Factors

11. CONCLUSION AND FUTURE SCOPE:

This study examines the factors influencing the adoption of online retailing for consumer durables in India. The findings highlight several key insights:

- Convenience, trust, and discounts are the most significant factors driving online shopping behavior.
- Younger consumers (21-25 years) are more likely to shop online frequently compared to older age groups.
- Gender does not significantly impact purchase intention, indicating that both males and females have similar shopping behaviors.

- The research confirms strong reliability and validity, ensuring the accuracy of the findings.
- Customer service, website usability, and security measures play a vital role in encouraging repeat purchases.

12. PRACTICAL IMPLICATION

The study highlights several practical implications for businesses, policymakers, and marketers in the online retail sector. E-commerce businesses should enhance trust and security by implementing secure payment gateways and robust data protection measures while also improving website usability through fast-loading, mobile-friendly designs and AI-driven customer support. Offering discounts, cashback, and loyalty programs can further attract price-sensitive consumers. Logistics providers need to ensure fast and reliable delivery through last-mile logistics and hyperlocal warehouses while simplifying return and exchange policies to reduce purchase hesitation. Digital payment providers should expand payment options, including Buy Now, Pay Later (BNPL) and No-Cost EMIs, and invest in digital literacy initiatives to encourage rural adoption. Marketers and advertisers can leverage social media and influencer marketing to boost engagement while implementing localized marketing strategies in regional languages to reach a wider audience. Policymakers must strengthen consumer protection laws to combat fraud and improve digital infrastructure to support broader e-commerce penetration. Overall, addressing these key areas will drive higher adoption of online retailing for consumer durables in India, improving accessibility, trust, and overall market growth.

13. SUGGESTATIONS:

1. Expand Product Scope – Study other categories like fashion, groceries, and personal care.
2. Psychological & Cultural Factors – Analyze trust issues, fraud concerns, and cultural shopping preferences.
3. Online vs. Offline Retail – Compare e-commerce with traditional retail to understand consumer preferences.
4. Impact of New Technologies – Study AI, AR/VR, blockchain, and voice commerce in online shopping.
5. Urban vs. Rural Consumers – Examine digital literacy, logistics, and financial barriers in different regions.
6. Long-Term Trend Analysis – Conduct longitudinal studies to track changing shopping behaviors.
7. Effect of Government Policies – Assess e-commerce regulations, digital payment policies, and financial inclusion.
8. Sustainability & Ethics – Study how eco-friendly practices influence online shopping.
9. Social Media & Influencer Impact – Explore how influencers and digital ads affect purchase decisions.
10. Global Comparison – Compare India's e-commerce growth with other developing and developed countries.

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