

Exploring the Impact of Digital Marketing on Rural Consumer Behavior: A Comprehensive Study

Abhinav

¹ Research scholar, Dept. of Management, Baba Mastnath University
Asthal Bohar, Rohtak, 124021(Haryana)
e-mail: abhinavdahiya25@gmail.com

A.S. Boora

² Professor, Dept. of Management, Baba Mastnath University
Asthal Bohar, Rohtak, 124021(Haryana)

Abstract— As the global marketplace becomes increasingly digitalized, understanding the dynamics of consumer behavior in rural areas is crucial for marketers aiming to bridge the urban-rural digital divide. The objectives of the study include analyzing digital engagement patterns in the rural areas of the National Capital Region (NCR). This study investigates the effect of digital marketing on the behavior of rural consumers, shedding light on the evolving landscape of marketing strategies in non-urban settings. It further identifies the various platforms of digital marketing through which any product or services are being offered to the rural population. The paper examines the level and extent of change in rural consumer behavior owing to digital marketing.

Keywords- Rural Marketing; Digital Marketing; Digital Platforms; e-commerce

I. INTRODUCTION

Digital Marketing refers to marketing activities that are conducted online, using digital channels such as social media, search engines, and email. Digital marketing has become increasingly important in recent years, as more consumers are spending time online and conducting research before making purchases. Rural digital marketing refers to the use of digital marketing strategies and tools to promote products or services to consumers living in rural areas.

The concept of rural digital marketing has gained significant momentum in recent years, as more businesses recognize the potential of rural markets and the growing penetration of smartphones and internet connectivity in these regions. By reaching remote areas through online platforms, it has increased awareness about products and services. Rural consumers are now more informed, comparing options and making informed decisions. The accessibility of digital channels has altered purchasing patterns, enabling online shopping, and reducing reliance on traditional retail. Social media and online campaigns engage rural consumers, shaping their preferences and influencing brand loyalty [1-2].

With the proliferation of smartphones and internet access, rural consumers are now more connected than ever. They use social media platforms to gather information about products and services, compare prices, and read reviews. This accessibility has empowered rural consumers, making them more informed

and discerning shoppers[3]. Additionally, digital marketing strategies like targeted advertising and e-commerce have made products from urban and international markets more accessible to rural consumers. This has expanded their choices and influenced their preferences and buying patterns [4].

The challenges like internet connectivity remain. Overall, digital marketing has transformed rural consumer behavior by bridging information gaps, expanding choices, and reshaping traditional buying practices [5].

II. LITERATURE

Chaffey et. al. (2021) [6] positioned digital marketing as an indispensable catalyst for future growth within the realm of enterprises and businesses. The integration of digital marketing strategies is not merely advantageous but imperative for staying competitive in today's dynamic market environment. The researchers concluded by highlighting the manifold benefits of embracing digital marketing, ranging from enhanced brand visibility to improved sales. Kavitha T. C. (2010) [7] examined the challenges and opportunities in the rural Indian market in the context of FMCG. Over 70% of the total sales of FMCG are made to middle-class people and out of which 50% are in rural India. The major challenges examined are transportation problems, Warehousing, Packaging, Media problems, Seasonal marketing, Low per capita income, and low level of literacy rate. Basheer et al.(March,2010) [8] Conducted an in-depth examination of the correlation between mobile advertising effectiveness and consumer decision-making in purchases. The

research unveiled a noteworthy positive association between the perceived utility of mobile advertisements and the choices made by consumers when deciding to make a purchase.

J. Singh and Dr. B.B. Goyal (2010) [9] conducted this research in Punjab's Ludhiana district. Customers were asked if they believed that overseas brands were significantly superior to their domestic competitors in these areas. Z statistics have been used to examine the amount of significance between the variations in score mean values. Except for "excellent design and look," all of the parameters tested showed a substantial difference between rural and urban consumers' perceptions of foreign versus Indian items.

A. Sharma (2013) [10] analyzed the opportunities for rural marketing in India. The reasons for marketers to reach out to rural India are large markets, high Income, Similar Preferences/Choices and lack of frequently changing demand are also supportive factors for MNCs shifting towards rural markets, development of infrastructure facilities, awareness of rising educational and literacy levels. The study also mentioned the challenges faced by marketers in approaching rural markets such as lack of infrastructure facilities, dependence on seasonable income, traditional way of living, high but scattered market areas, lack of promotional tools, and low levels of education.

Mahadik Ashwini et. al. (2018) [11] studied the avenues for digital marketing in rural India and observed that new programs initiated by the govt of India look promising in changing the face of rural India and will enhance the penetration of the e-commerce sector through the Internet and broadband to remote corners of India. Prof. Venkatesh Babu BR and Prof. Swetha MR (2018) [12] tried to study the scope of digital marketing in rural areas and tried to analyze the perception of rural people toward digital marketing. In his findings, he analyzed that about 60% of respondents are youngsters and 70% of customers have qualifications of above youngsters in a rural area. Nearly 70% of rural youth use their smartphones for online shopping purposes. In his study, they concluded that the Rural market on the one side is still a virgin market for many producers and offers a huge opportunity for many entrants.

Gautam Srivastava and Deepa Gupta (2022) [13] Studied the barriers to digital marketing in rural India and found that the most significant hurdle to digital marketing in rural India is poor connectivity (35%). The second most significant hurdle is the remote location (21%). The third significant factor is the lack of devices in rural India (13%). The fourth significant factor is the lack of modern education (12%). The fifth most significant factor is scattered geography (10%), and the sixth most important factor is poor infrastructure (9%).

III. RESEARCH METHODOLOGY

The population of this study encompasses residents from the National Capital Region (NCR) districts of Haryana. The sample frame for the study on the influence of digital marketing on rural consumer behavior consists of a detailed list or database of residents residing in the rural areas of Rohtak, Sonapat, Panipat, Faridabad, and Gurugram in the Haryana region. Purposive sampling has been used in this study. A sample size of 500 consumers who utilize social media in rural area has been

used for investigation. In this study, data analysis involved the use of software IBM SPSS Version 21.

3.1 Data Analysis

Table 1 illustrates the gender distribution within a sample of 500 individuals. Among them, 299 individuals identify as male, constituting 59.8% of the total sample, while 201 individuals identify as female, representing 40.2%. These statistics provide insights into the gender composition, highlighting a higher proportion of males compared to females in the examined group of 500 individuals.

Table 1 Gender Wise Classification of Respondents

Gender	Frequency	Percent	Cumulative Percent
Male	299	59.8	59.8
Female	201	40.2	100.0
Total	500	100.0	

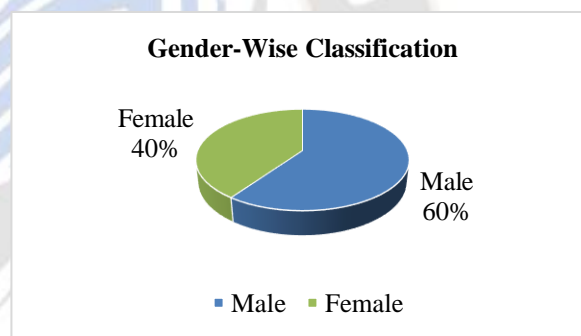


Figure 1 Gender Wise Classification of Respondents

The age distribution of the surveyed population depicted in Table 2 reveals a diverse range, with the majority falling within the 25 to 45 age brackets, constituting 78.8% of the total respondents. Among them, the highest frequency lies in the 35-45 range, accounting for 48.4% of the entire sample. Those aged 25-35 follow closely, representing 30.4%. Individuals aged 18-25 make up 15.2% of the respondents. Notably, only a smaller portion, 6.0%, belongs to the 45 and above category.

Table 2 Age-Wise Classification of Respondents

Age	Frequency	Percent	Cumulative Percent
18-25	76	15.2	15.2
25-35	152	30.4	45.6

35-45	242	48.4	94.0
45 and above	30	6.0	100.0
Total	500	100.0	

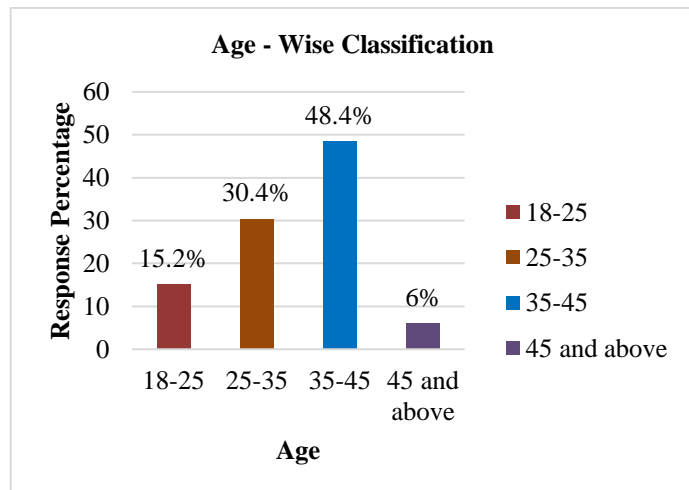


Figure 2 Age-Wise Classification of Respondents

It is evident from Table 3 that most of the respondents hold higher educational degrees, with 46.4% having completed their graduate studies and 34.4% having pursued postgraduate education. Those with a 12th-grade education constitute 11.8% of the sample. Additionally, 7.4% fall under the 'Others' category, which likely includes individuals with unconventional or non-traditional educational backgrounds.

Table 3 Educational Level Wise Classification of Respondents

Educational Level	Frequency	Percent	Cumulative Percent
12th	59	11.8	11.8
Graduate	232	46.4	58.2
Post Graduate	172	34.4	92.6
Others	37	7.4	100.0
Total	500	100.0	

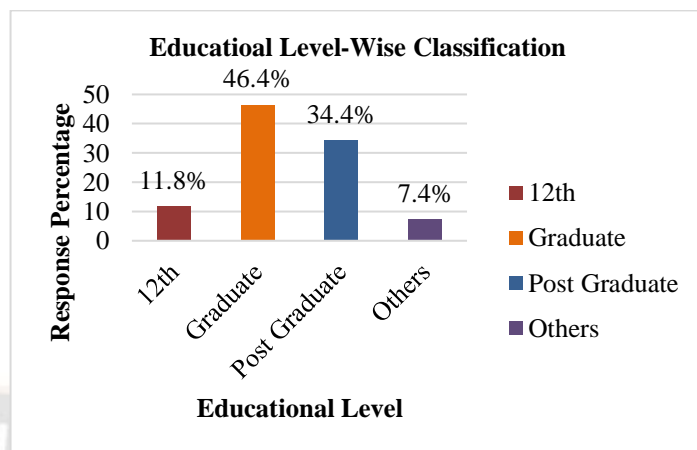
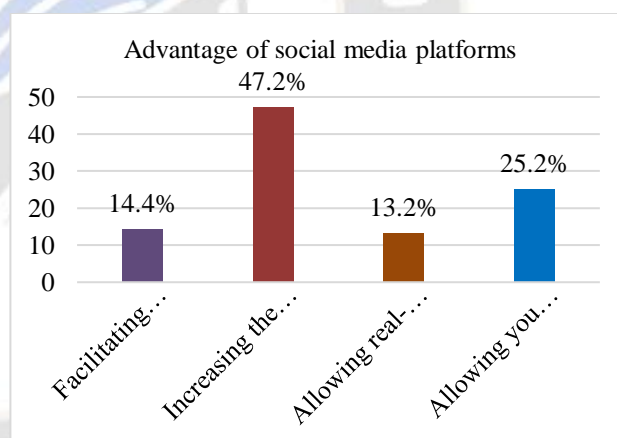


Figure 3 Educational Level Wise Classification of Respondents

Participants were questioned about the primary benefit they perceive in social media platforms for influencing their actions within digital marketing. This inquiry aimed to uncover how respondents view social media's effectiveness in shaping their behavior. Answers could reveal whether features like targeted content, interactivity, or recommendations play a pivotal role in driving engagement and decision-making through digital marketing efforts.

Table 4 Advantages of social media platforms



Response	Frequency	Percent
Facilitating direct engagement with brands and products	72	14.4
Increasing the convenience of accessing product information	236	47.2
Allowing real-time interaction and feedback	66	13.2

Allowing you to easily compare products and prices	126	25.2
Total	500	100.0

Table 4 highlights the perceived advantages of social media platforms in digital marketing. A substantial 47.2% of respondents view social media to "increase the convenience of accessing product information," indicating that these platforms are seen as valuable sources of product knowledge. Additionally, 25.2% appreciate the ability to "easily compare products and prices" on social media, showcasing its role in informed decision-making. About 14.4% find value in "facilitating direct engagement with brands and products," emphasizing the importance of two-way communication. Furthermore, 13.2% recognize the benefit of "real-time interaction and feedback," indicating a desire for immediate and interactive experiences. This data underscores the multifaceted advantages of social media platforms in enhancing consumer engagement, information accessibility, and decision-making processes within the digital marketing landscape. Participants were queried about the impact of online reviews and ratings on their decision-making process. This question aimed to understand how feedback from others affects their choices. Responses could reveal whether positive reviews sway them towards a product or service, or if negative feedback deters them. This sheds light on the significance of online opinions in shaping decision behavior.

Table 5 Influence of online reviews and ratings

Response	Frequency	Percent
They strongly impact my choices and decisions	247	49.4
They play a minor role in my decision-making	137	27.4
I consider them, but they are not the primary factor	93	18.6
I rarely pay attention to online reviews and ratings	23	4.6
Total	500	100.0

Source: Researcher's Compilation

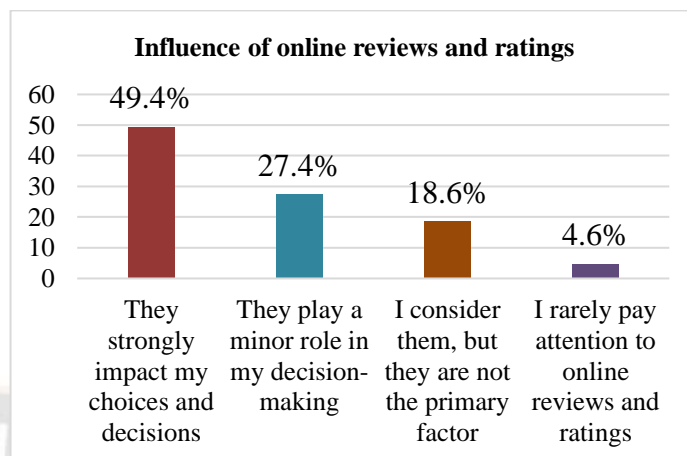


Figure 5 Influence of online reviews and ratings

Table 5 reveals the influence of online reviews and ratings on individuals' decision-making processes. A substantial 49.4% of respondents stated that these reviews "strongly impact" their choices and decisions, emphasizing the significant role of online feedback in shaping their preferences. Additionally, 27.4% mentioned that reviews play a "minor role," showing their consideration in decision-making. For 18.6%, reviews are considered but not the primary factor, indicating a balanced approach. However, a small proportion, 4.6%, rarely pays attention to online reviews and ratings. This data underscores the critical importance of online feedback, with a majority being significantly influenced by it, highlighting the need for businesses to actively manage and encourage positive reviews as part of their marketing strategies.

Participants were asked about the impact of influencer marketing on their actions. This inquiry sought to understand how endorsements by social media influencers affect their behavior. Responses could indicate whether influencer recommendations prompt purchases, engagement with brands, or information seeking, providing insights into the effectiveness of influencer marketing in shaping consumer choices and actions.

Table 6 Influence of influencer marketing

Response	Frequency	Percent
It significantly affects my purchasing decisions	253	50.6
It has some impact on my decisions	111	22.2
I am neutral, it doesn't sway me much	82	16.4
It rarely influences my choices	54	10.8
Total	500	100.0

Source: Researcher's Compilation

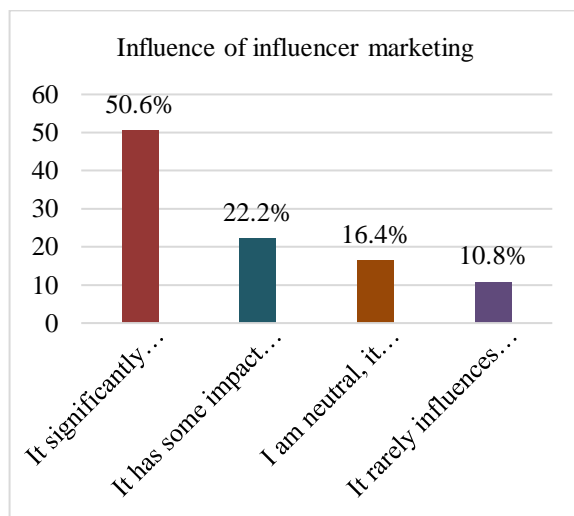


Figure 6 Influence of influencer marketing

Table 6 illustrates the influence of influencer marketing on individuals' purchasing decisions. A significant 50.6% of respondents indicated that it "significantly affects" their buying choices, underscoring the potency of influencers in swaying consumer behavior. Another 22.2% mentioned that it "has some impact," highlighting a substantial overall impact. A more neutral stance was taken by 16.4% who claimed to be unaffected, while 10.8% stated that it "rarely influences" their decisions. This data implies that influencer marketing holds substantial sway over a considerable portion of the audience, with many considering it a decisive factor in their purchases. However, a notable segment remains less influenced, emphasizing the need for varied marketing strategies to cater to diverse consumer preferences.

Frequency analysis examines the frequency of responses to assess the impact of digital marketing on the rural population. It helps identify patterns in their perceptions, behavior, and preferences, providing valuable insights into the effectiveness of digital marketing strategies in rural areas. Table 7 represents the frequency analysis of the influence of digital marketing on rural population.

Table 7 Frequency analysis: Influence of digital marketing on rural population

	Statements		SD	D	N	A	SA
1	Digital marketing has improved my awareness of products and services available in rural areas.	Freq	54	63	43	159	181
		%	10.8	12.6	8.6	31.8	36.2

2	I appreciate when digital marketing campaigns highlight the unique qualities and values of rural products and services.	Freq	60	44	28	137	231
		%	12	8.8	5.6	27.4	46.2
3	Digital marketing platforms are easy for me to access and use in my rural setting.	Freq	202	114	42	73	69
		%	40.4	22.8	8.4	14.6	13.8
4	I find digital advertisements relevant to my needs and preferences as a rural consumer.	Freq	79	87	31	125	178
		%	15.8	17.4	6.2	25	35.6
5	Digital marketing has expanded my options for comparing different products and prices.	Freq	38	63	72	116	211
		%	7.6	12.6	14.4	23.2	42.2
6	I trust the information provided through digital marketing channels when making buying decisions.	Freq	51	56	69	121	203
		%	10.2	11.2	13.8	24.2	40.6
7	I often discover new local businesses through digital	Freq	49	74	79	109	189
		%	9.8	14.8	15.8	21.8	37.8

	marketing campaigns.						
8	Digital marketing helps bridge the gap between urban and rural shopping experiences.	Freq.	44	57	161	39	199
		%	8.8	11.4	32.2	7.8	39.8
9	I consider digital marketing to be an effective way for rural businesses to reach their target audience.	Freq.	197	132	42	57	72
		%	39.4	26.4	8.4	11.4	14.4
10	Online reviews and ratings shared through digital marketing influence my choices as a rural consumer.	Freq.	70	72	42	110	206
		%	14	14.4	8.4	22	41.2
11	Digital marketing has made me feel more connected to the broader market and trends in rural areas.	Freq.	39	70	63	133	195
		%	7.8	14	12.6	26.6	39
12	I feel that digital marketing is an essential tool for the growth of rural economies.	Freq.	77	89	31	127	176
		%	15.4	17.8	6.2	25.4	35.2
13	I am more likely to	Freq.	253	149	38	46	14

	participate in promotions or events advertised through digital marketing.	%	50.6	29.8	7.6	9.2	2.8
14	Digital marketing has improved the convenience of shopping for products and services in rural regions.	Freq.	20	42	28	161	249
		%	4	8.4	5.6	32.2	49.8

Source: Researcher's Compilation

- Statement 1 states, "Digital marketing has improved my awareness of products and services available in rural areas." This statement suggests that digital marketing has positively impacted the respondent's knowledge of rural offerings. Over 36% strongly agree, highlighting the significant role digital marketing plays in enhancing product and service awareness in rural regions.
- Statement 2 states, "I appreciate when digital marketing campaigns highlight the unique qualities and values of rural products and services." Approximately 46% strongly agree with this statement, indicating that showcasing rural product uniqueness through digital marketing is valued by respondents, potentially influencing their purchasing decisions.
- Statement 3 states, "Digital marketing platforms are easy for me to access and use in my rural setting." Over 40% of respondents find digital marketing platforms easily accessible in rural areas. This ease of access may contribute to the effectiveness of digital marketing strategies targeting rural consumers.
- Statement 4 states, "I find digital advertisements relevant to my needs and preferences as a rural consumer." This statement reflects a mixed sentiment, with 35.6% strongly agreeing and 17.4% disagreeing. While digital ads resonate with some rural consumers, others find them less relevant, suggesting room for improved targeting.
- Statement 5 states, "Digital marketing has expanded my options for comparing different products and prices." A substantial 42.2% strongly agree that digital marketing broadens their options for product and price

comparisons, highlighting the utility of digital channels in facilitating informed consumer choices.

- Statement 6 states, "I trust information provided through digital marketing channels when making buying decisions." Around 40.6% trust information from digital marketing, signifying the importance of establishing trustworthiness in digital campaigns for rural consumers.
- Statement 7 states, "I often discover new local businesses through digital marketing campaigns." Approximately 37.8% strongly agree, indicating that digital marketing plays a vital role in introducing rural consumers to new local businesses.
- Statement 8 states, "Digital marketing helps bridge the gap between urban and rural shopping experiences." A notable 39.8% strongly agree, suggesting that digital marketing has the potential to create a more balanced shopping experience between urban and rural areas.
- Statement 9 states, "I consider digital marketing to be an effective way for rural businesses to reach their target audience." Nearly 40% strongly agree, emphasizing the perceived effectiveness of digital marketing for rural businesses in reaching their intended customer base.
- Statement 10 states, "Online reviews and ratings shared through digital marketing influence my choices as a rural consumer." With 41.2% strongly agreeing, this statement highlights the significance of online reviews and ratings in shaping rural consumer decisions through digital marketing.
- Statement 11 states, "Digital marketing has made me feel more connected to the broader market and trends in rural areas." Around 39% strongly agree, suggesting that digital marketing fosters a sense of connectivity and awareness of market trends among rural consumers.
- Statement 12 states, "I feel that digital marketing is an essential tool for the growth of rural economies." Approximately 35.2% strongly agree, underscoring the belief in digital marketing as a critical driver of rural economic growth.
- Statement 13 states, "I am more likely to participate in promotions or events advertised through digital marketing." A significant 50.6% strongly agree, indicating that digital marketing effectively encourages rural consumers to engage in promotions and events.
- Statement 14 states, "Digital marketing has improved the convenience of shopping for products and services in rural regions." With 49.8% strongly agreeing, it's clear that digital marketing contributes substantially to enhancing the convenience of rural shopping experiences, potentially driving consumer satisfaction and loyalty.

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