Research Paper on Facebook Marketing and its Influence on Consumer Buying Behavior

Deepto Chakraborty
University of Liberal Arts Bangladesh

Alina Jahan
University of Liberal Arts Bangladesh

Facebook marketing is one of the most highly regarded and accepted social media tools, and it has played an important role in simultaneously changing and shaping consumer perceptions and behavior. In Bangladesh, around 67.18 million users have been actively involved in Facebook. Facebook marketing has added a new dimension to the marketing realm and has continuously positively impacted consumer buying patterns. This research paper will explore how Facebook marketing has been instrumental in changing consumer behavior and perceptions effectively and efficiently.

In this particular research paper, it has been unveiled that younger generations have been greatly fascinated by Facebook marketing and it has been making a paradigm shift in consumer needs and demands specifically speaking consumer tastes and perceptions. In this research study, primary data and secondary data have been collected and primary data has been collected through conducting a survey and formulating a well-structured questionnaire keeping the sample size of 150 from the whole population. Demographic variables and independent and dependent variables have been chosen based on the research objectives. Secondary data has been collected account of going through academic papers, research papers online portals, blogs, and news articles rigorously. In terms of data analysis, the study uses and applies descriptive statistical analysis by using Excel and pie charts to provide a complete picture of the research paper.

Eventually, the research studies have found that marketers and market researchers spend a reasonable amount of time on how Facebook marketing has been changing the purchasing behavior of consumers. It can be reiterated that the research paper itself is a testament to accurate market research on Facebook marketing and its impact on consumer buying behavior.

Keywords: facebook marketing, consumer behavior, primary data, demographic variables, descriptive statistical analysis

INTRODUCTION

Facebook is one of the most prominent social media platforms in the world right now. Facebook has been important in building relationships and nexus and making strong connections through creating profiles. Now, Facebook is one of the most productive social media platforms for getting engaged in

businesses and online trading businesses. Facebook has become very popular in promoting and selling products and services to consumers and can play a pivotal role in shaping and molding consumer's buying behavior regularly. On the other hand, the well-esteemed social media platform.

Social media platforms for instance Facebook have been transforming businesses and online businesses over the past few decades. It has been revealed that in Bangladesh, the capital city of Dhaka, there are around 22 million active Facebook users approximately 1.1 percent of total active users globally. Bangladeshi marketers and aspiring entrepreneurs have been using Facebook as a powerful platform to captivate, motivate, and stir up consumers, which will help and facilitate marketers and entrepreneurs in understanding and analyzing purchasing patterns, consumer behavior, and consumer perceptions regarding buying products and services. Moreover, the social media platform, many corporates, and well-esteemed companies have been using Facebook to endorse and promote their products, and offerings to reciprocate ideas with concerned authorities and meet the tailor-made requirements of consumers. Furthermore, it can arguably be said that Facebook has been helping many Bangladeshi companies and conglomerates raise brand awareness, and on the account of advanced advertising tools, they can reach out to specific segments of demographics to cater to their personal choices and demands. Even nowadays small businesses are well-equipped to use Facebook to promote products and services. Most interestingly, Bangladeshi companies have been implementing marketing strategies through local influencers using reviews, YouTube channel reviews, and endorsements. This study will explore and find out customer perceptions, buying behavior patterns, and the importance of Facebook marketing, and it will navigate and gauge the impact of Facebook marketing on consumer buying behavior.

Research Objectives: Facebook Marketing And Its Impact On Consumer Buying Behavior
- The research study will explore and navigate the impact of Facebook marketing on consumer buying behavior.
- It will analyze the effectiveness level of Facebook marketing in terms of creating consumer awareness.
- This study will find how Facebook marketing can change consumer perceptions regularly.
- To explore and investigate consumer behavior by dint of conducting Facebook marketing campaigns.
- The research paper will inspect how the targeted audience has been benefitted and influenced by personalized Facebook marketing and customized advertisements and content.
- Lastly, the research studies will determine how Facebook and its digital footprints for example likes, shares, comments, celebrity endorsements, and YouTube reviews can change consumer behavior by dint of conducting descriptive statistical analysis.

LITERATURE REVIEW

Facebook, is one of the leading social media platforms where businesses approach marketing. Facebook impacts consumer buying behavior and advances targeting capabilities. This literature review examines existing studies about Facebook marketing and consumer buying behavior. A thorough review of existing literature reveals the relationship between Facebook marketing and consumer buying behavior. Prior studies have reported a positive reflection between Facebook marketing and consumer buying behavior.

Advertising
According to Tuten and Solomon (2021), Facebook can use data on our age, gender, and reference interest location to customize specific personalized messages for advertising and attracting customers.

Content Marketing

Content marking is now a well-known engaging idea for marketers, to share images, videos, and articles. The study by Ashley and Tuten (2015) explains that content sharing builds brand awareness and trust by sharing videos and images fosters consumer engagement and creates brand loyalty.

Information Search

Facebook plays an important role in the consumer decision-making process. According to Kotler and Keller (2016), It serves as a primary source of product information, and visual ads and posts attract consumer attention and encourage further exploration.

Purchase Decision

Facebook's Bye Now, shop, and Book Now features exceed the buying process. Xu et al. (2020) E-commerce tools lead to higher conversion rates. Time-sensitive promotions on Facebook such as flash sales

Privacy Concerns

Studies by Shankar et al. (2020) have shown that some consumers perceive Facebook data as potentially leading to distrust and negative brand associations.

The paper's conclusions show how consumers feel about social media marketing. Customers not only become aware of brands through social media but also favor those brands when making their ultimate purchase—the reviewed literature impact of Facebook marketing on consumer buying behavior. Adverting and engaging content influence consumers at various stages, and privacy concerns are addressed to maximize the platform's potential. Future research should explore AI-driven personalization and the role of influencers and explore emerging trends in shaping consumer behavior.

RESEARCH METHODOLOGY AND DESIGN

Research methodology is one of the most fundamental and essential parts of the research process, and it facilitates the researchers in determining meaningful and effective results from the study. This study explores and analyzes the different aspects and angles of Facebook Marketing and its impact on consumer buying behavior. In this research paper, a quantitative and qualitative approach have been adopted and taken into consideration. The research topic itself supports and corroborates the quantitative approach as it has been synthesizing and hypothesizing multiple variables in the whole research work. This study emphasizes different and numerous vital variables to gauge the impact of Facebook marketing and its implication on consumer buying behavioral patterns for example age, income, education, frequency of using Facebook, occupation, and most importantly gender.

On the other hand, non-probability sampling has been suitable for this research topic owing to the specific population and concentration of active Facebook users. Furthermore, non-probability sampling can help researchers gather and collect data quickly. Due to the time constraints and lack of resources, non-probability sampling can be the best choice for conducting this research.
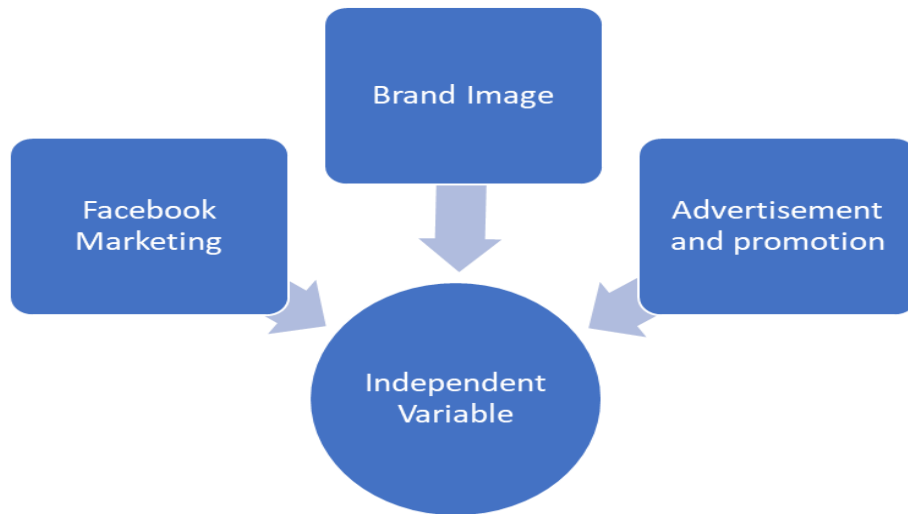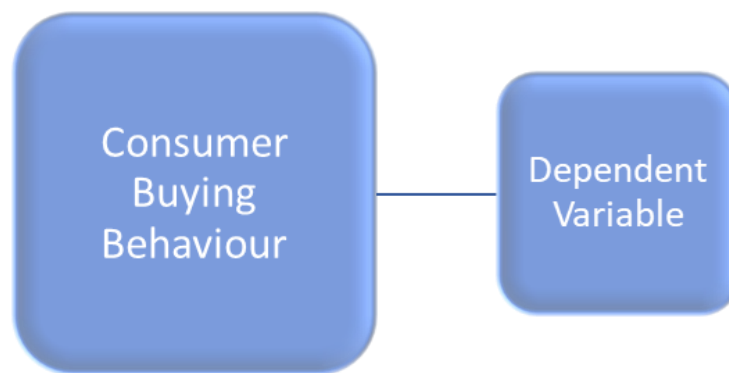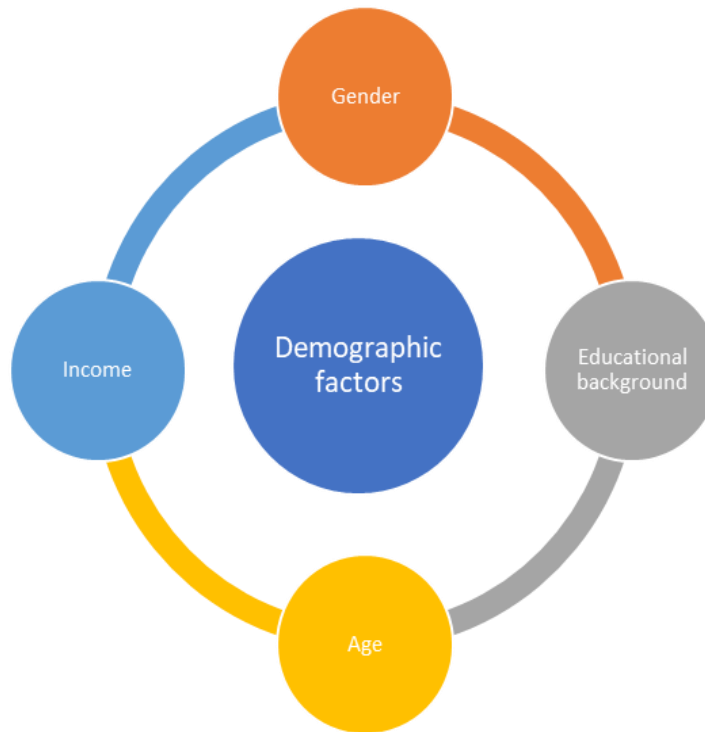
FIGURE 1

FIGURE 2

FIGURE 3
MODERATING VARIABLES

Independent Variable

Independent variable in this research paper has been mostly related to Facebook marketing. Independent variables can be sub-categorized into a few variables.

Brand image is one of the most important and pivotal variables that can attract and allure consumers to purchase products.

The quality of content most often plays an important role in generating viewership and response from consumers.

Advertisement, promotion, and product campaigns can majorly cater to consumers' unique needs and demands to satisfy their insatiable hunger for consuming the product. Sometimes, well-esteemed companies offer special discounts and rebates keeping consumer demand and needs intact.

Facebook messages, groups, chat sections, comments, likes, and shares have greatly promoted newly launched products.

Famous social media influencers, film stars, and content creators tend to promote new products, making them feel more tempted and allured to purchase them in due course.

In this research, the dependent variable can be considered **consumer buying behavior,** and more importantly, the moderating variables have stemmed from demographic factors which are **age, group, educational background, income, and most importantly occupation.**
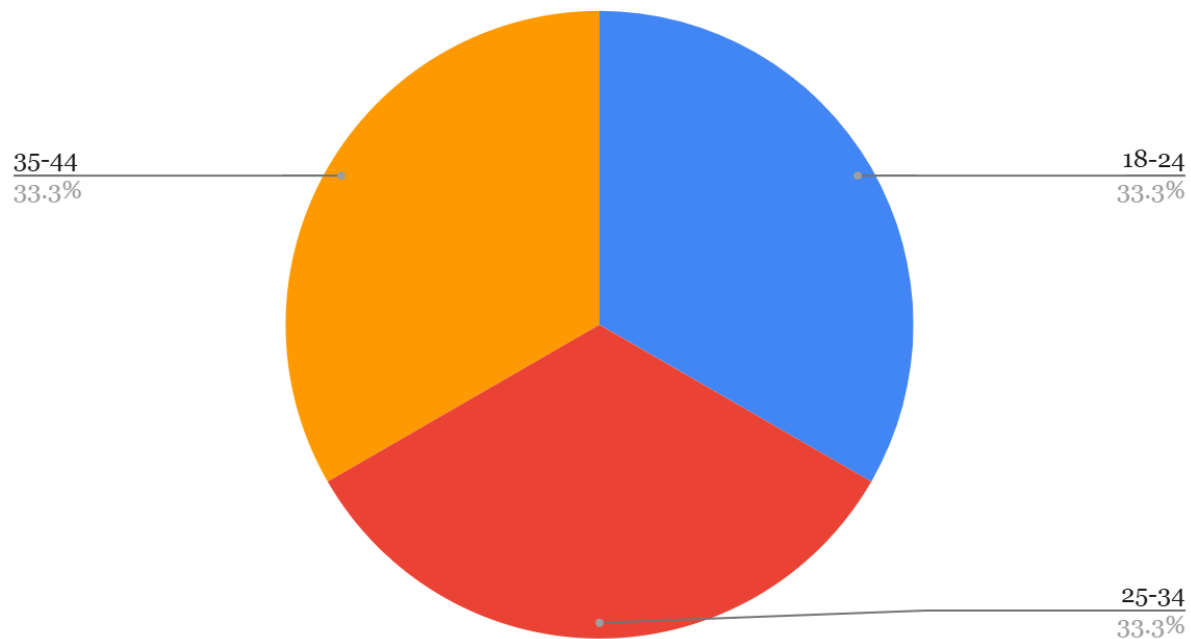
RESULT AND DISCUSSION

1. What is your age?
    Table No. 1 below shows the frequency distribution of respondent about their age.

TABLE 1

Age	Frequency	Percentage
18-24	50	33.33%
25-34	50	33.33%
35-44	50	33.33%

FIGURE 4
**FREQUENCY AND PERCENTAGE**

    From the above pie chart, it is quite evident that the overall frequency distribution of respondents age from active Facebook users. The table and chart illustrate that the respondents from the age group have 50 respondents and its percentage rate has been 33.33 percent while surveying from the specific sample.

2. What is your gender?
    Table No. 2 below shows the respondent's gender from conducting survey results.

TABLE 2

| Gender	Frequency	Percentage
Male	80	53.33 %
Female	70	46.67%

FIGURE 5
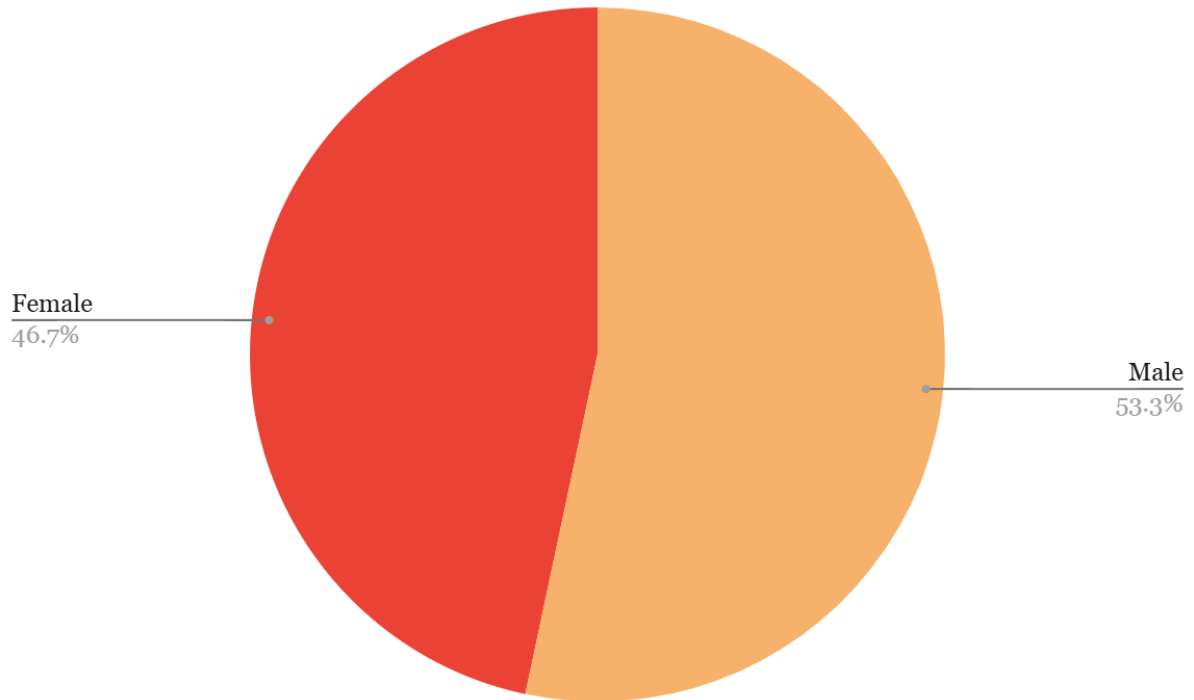
From the pie chart, it can be seen that the number of respondents from male and female in terms of using Facebook. As usual, the number of respondents from the male category is higher than the female category. The number of male respondents is 80 and the percentage has been 53.33 percent. On the other hand, some female respondents are 46.7 percent amounting to 70 respondents from the overall sample.

3. Table No. 3 below shows the frequency distribution of respondents' occupations.

TABLE 3

Occupation	Frequency	Percentage
Student	50	33.33 %
Employed	40	26.67%
Self- employed	20	13.33 %
Unemployed	40	26.67%

FIGURE 6
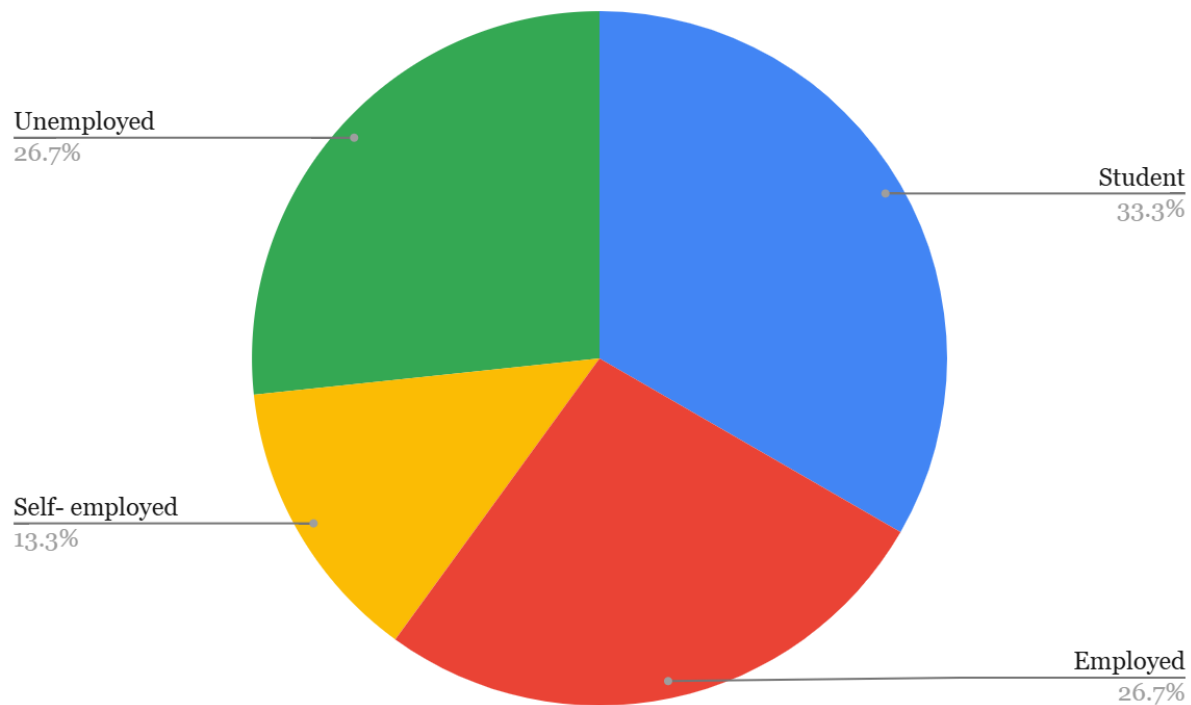
From the given pie chart, it is quite evident that this research study has explored and navigated the respondent's occupations on account of conducting surveys through Google Forms. In the chart, the number of respondents from the student group is 33.33 percent which is the highest one among all the respondents. The number of respondents from the employed group is 40 and the percentage rate is 26.7 percent. On the other hand, the number of respondents is quite substantial which is 40 and the percentage rate has been around 26.7 percent. Lastly, there is a low percentage rate of self-employed respondents which is somewhat 13.3 percent.
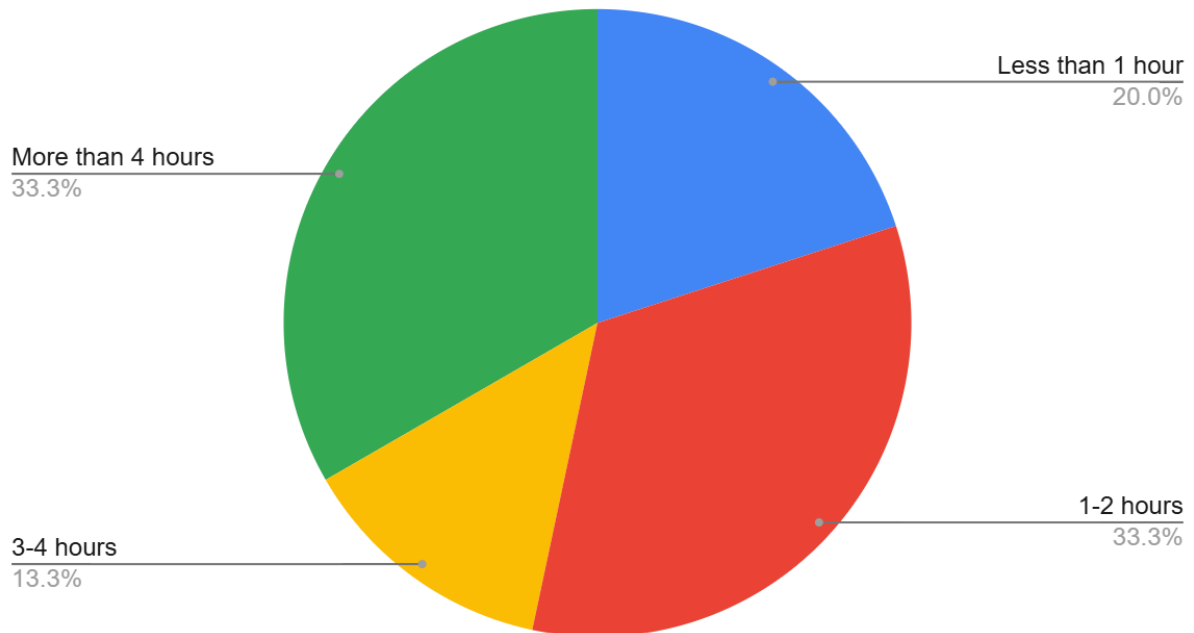
4. How much time do you spend on Facebook per day?
Table No. 4 below shows the percentage and frequency of using Facebook per day.

TABLE 4

How much time do you spend on using Facebook per day	Frequency	Percentage
Less than 1 hour	30	20%
1-2 hours	50	33.33%
3-4 hours	20	13.33%
More than 4 hours	50	33.33%

FIGURE 7
FREQUENCY AND PERCENTAGE OF USING FACEBOOK PER DAY

The pie chart, it has been representing the usage of Facebook per day by the respondents. In the first category, 30 respondents are using Facebook for less than 1 hour and the percentage rate is 20 percent. In the second category, 50 respondents have been using Facebook which is around 33.3 percent. Furthermore, 20 respondents have been actively involved in using this well-renowned social media per day. Lastly, 50 respondents have been using Facebook for more than 4 hours which is 33.3 percent based on calculation.

5. What activities do you engage in on Facebook?
Table No. 5 below shows the engagement of respondents on Facebook.

TABLE 5

What activities do you engage in on Facebook	Frequency	Percentage
Browsing posts and updates	50	33.33%
Watching videos	60	40%
Participating in groups	20	13.33%
Shopping or looking at product ads	20	13.33%

FIGURE 8
FREQUENCY AND PERENTAGE OF ACTIVITIES ENGAGING IN FACEBOOK
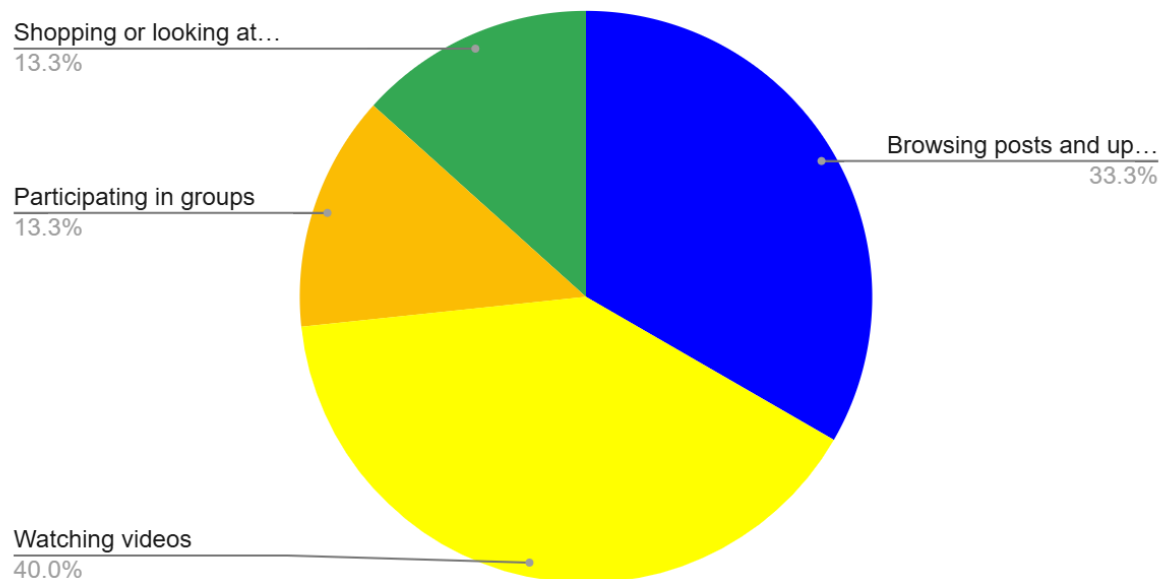
The pie chart, it has been illustrates and represents the overall information of the respondents **(Figure 8)** from the survey results, it has been unveiled that 50 respondents have been engaged in browsing and keeping updates about recent news and phenomena. On the other hand, 60 respondents have been actively taking part in watching videos. Apart from that, 20 respondents have been concerned with watching videos on Facebook. Lastly, consumers often get tantalized while watching Facebook ads and product promotional campaigns. So, the number of respondents in terms of shopping and glancing through new and different kinds of products is 20 and the percentage rate has been 13.33 percent.
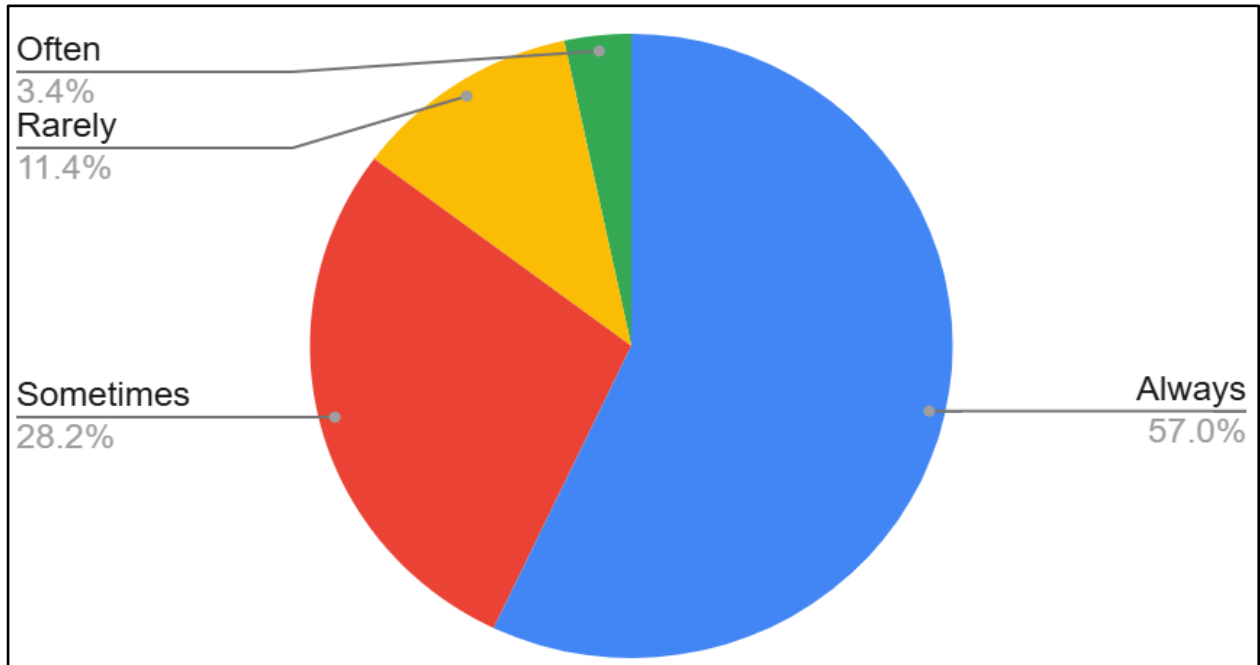
6. How often do you notice advertisements on Facebook?
Table No.6 below shows the frequency distribution of respondents as per how often they notice advertisements on Facebook.

TABLE 6

(How often) Notice advertisements on Facebook	Frequency	Percentage
Always	85	57.0 %
Sometimes	42	28.2%
Rarely	17	11.4 %
Often	5	3.4 %
Total	150	100

FIGURE 9
NOTICE ADVERTISEMENTS ON FACEBOOK

The above table shows respondents the frequency distribution such as how often people notice advertisements on Facebook. The table explains that 57.0% of the respondents always notice advertisements on Facebook. Whereas, only 3.4% of the respondents often notice advertisements on Facebook.
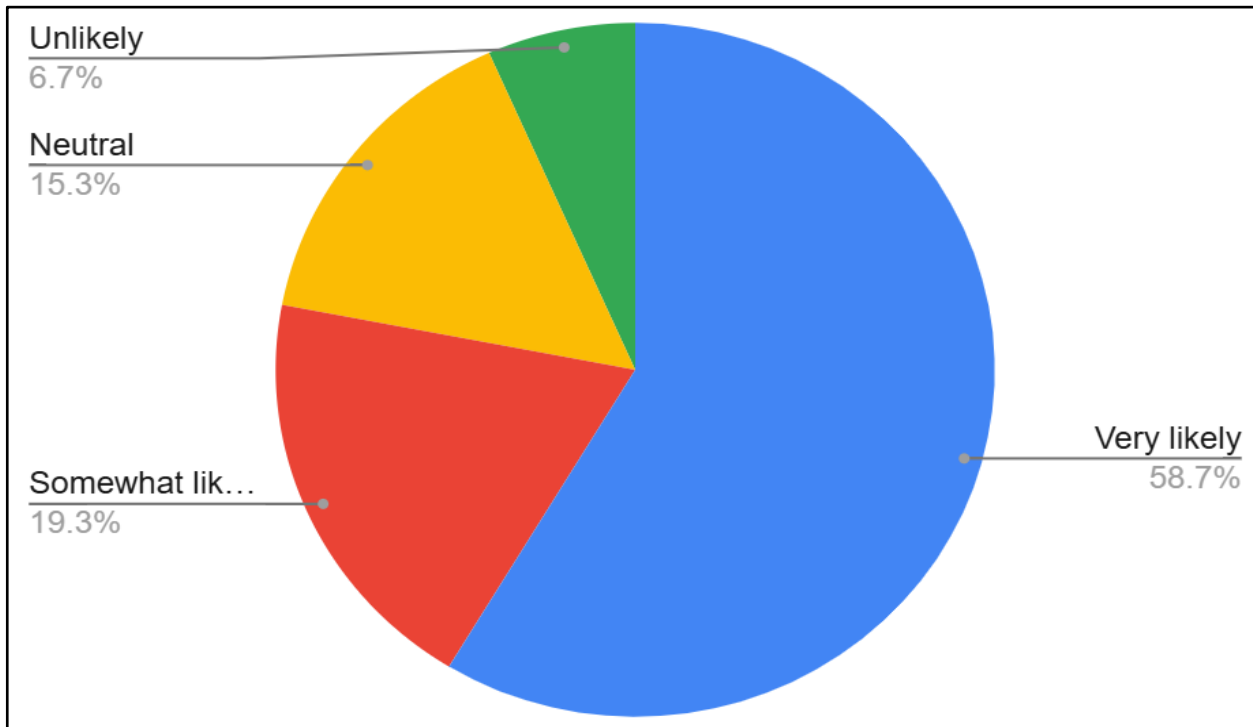
7. How likely are you to explore products or services advertised on Facebook?
Table No.7 below shows the frequency distribution of respondents as per explore products or services advertised on Facebook.

TABLE 7

(How likely) explore products or services advertised on Facebook?	Frequency	Percentage
Very likely	88	58.7
Somewhat likely	29	19.3
Neutral	23	15.3
Unlikely	10	6.7
Total	150	100

FIGURE 10

The table shows that the majority of the respondents 58.7 % Very likely to explore products or services advertised on Facebook. Somewhat likely respondents are 19.3 %, neutral 15.3 % and only 6.7 % of respondents are unlikely to explore
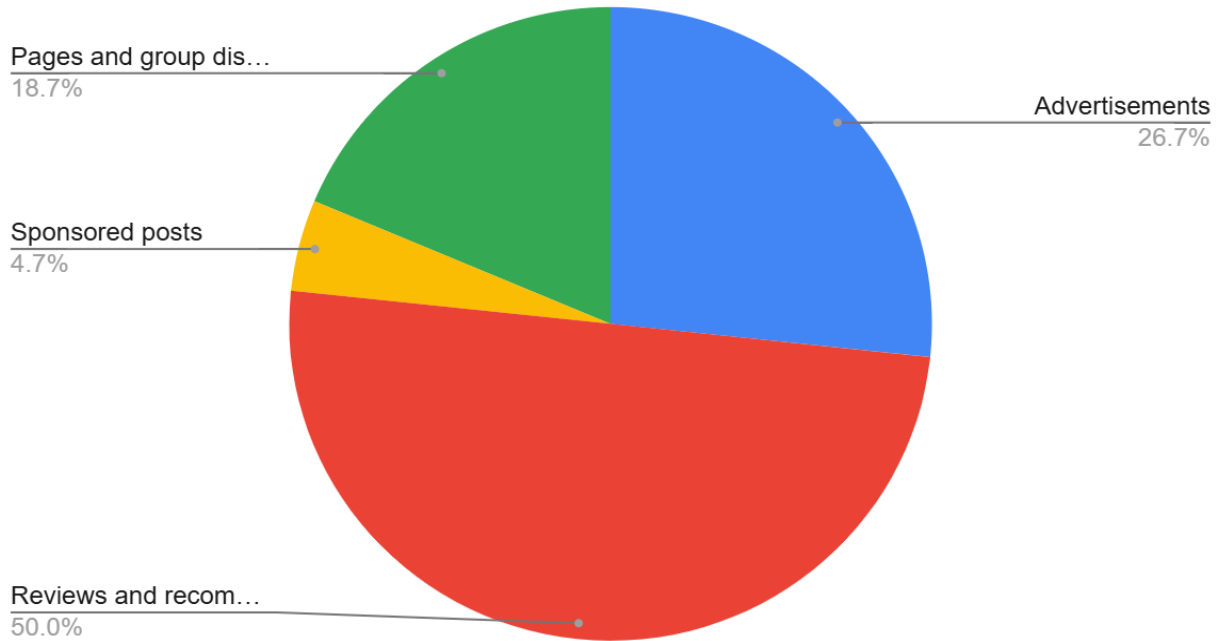
8. What type of Facebook content influences your purchasing decisions the most?
　　Table No.8 below shows the frequency distribution of respondents' types of Facebook content influences your purchasing decisions the most.

TABLE 8

Types of Facebook content influence purchasing decisions the most.	Frequency	Percentage
Advertisements	40	26.7
Reviews and recommendations	75	50.0
Sponsored posts	7	4.7
Pages and group discussions	28	18.7
Total	150	100

FIGURE 11

The above table shows that Types of Facebook content influence purchasing decisions the most, Reviews and recommendations influence 50.0 % and advertisements influence 26.7 % but pages influence 18.7 % whereas only 4.7 % are influenced by sponsored posts.

9. Does interaction with a product's Facebook page (e.g., messaging the brand or commenting on posts) increase your likelihood of purchase?

Table No.9 below shows the frequency distribution of respondents' interaction with a product's Facebook page to increase the likelihood of purchase.

TABLE 9

| Interaction with a product's Facebook page	Frequency	Percentage
Yes, significantly	46	30.7
Yes, somewhat	89	59.3
No	15	10.0
Total	150	100

FIGURE 12
INTERATION WITH A PRODUCT'S FACEBOOK PAGE
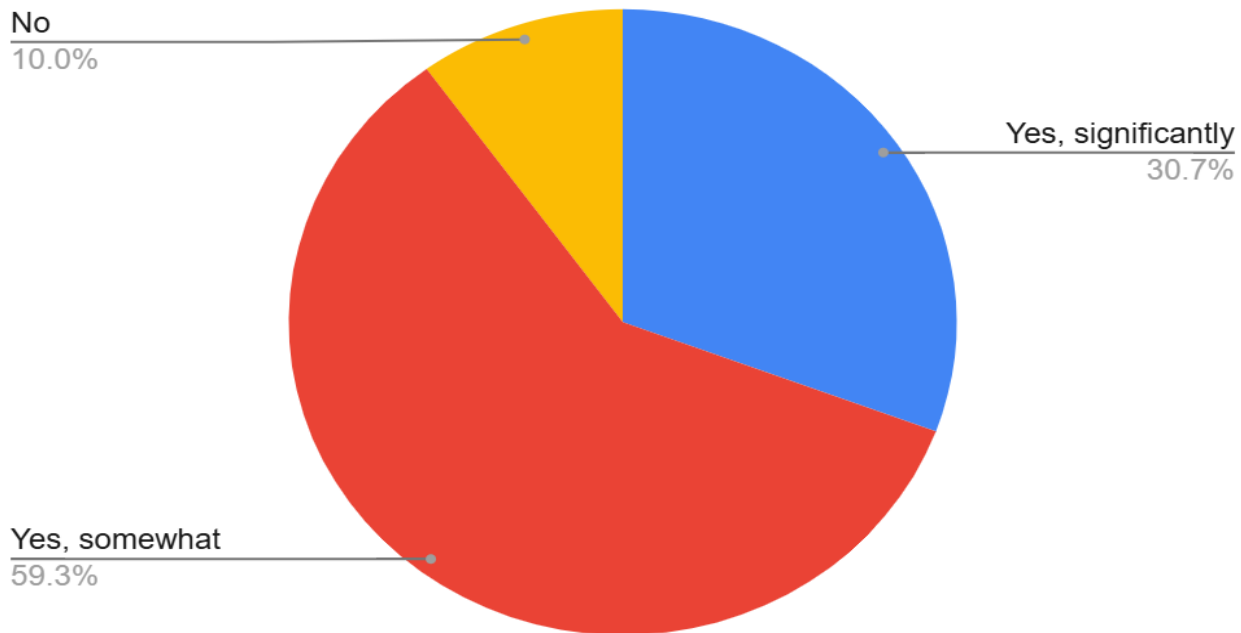
The above table shows that 30.7.3 % of the respondents are affirmative that messaging the brand or commenting on posts increases the likelihood of purchasing a product's Facebook page however 59.7 % respond somewhat whereas 10 % are negative.

10. What Makes Facebook Effective (Or Ineffective) As A Platform For Influencing Buying Behavior?

FIGURE 13
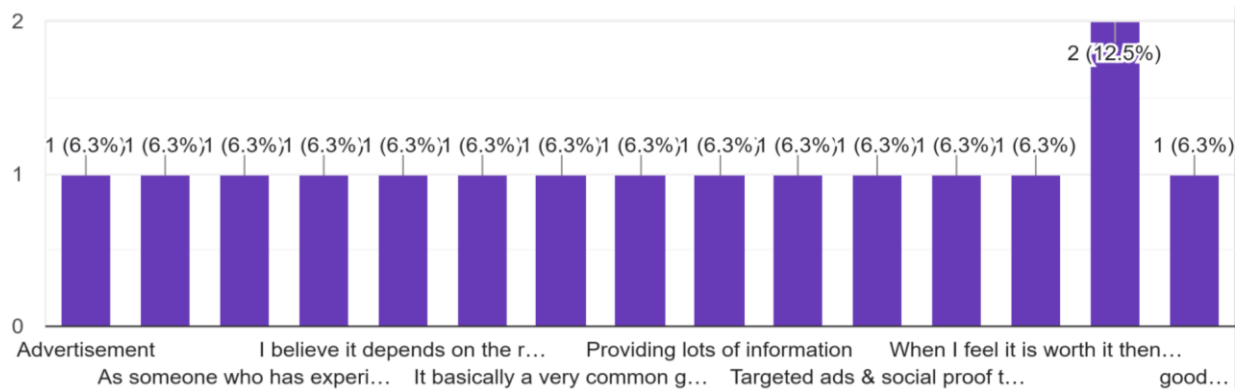
RECOMMENDATION

This study revealed Facebook Marketing and its influence on consumer buying behavior. Thus the following recommendations are hereby presented.

1. Businesses should adopt privacy concerns and clear concise data policies, It can build trust and help engender a reasonable understanding of targeted advertising amongst consumers.
2. Businesses should use social networks to help target and maintain relationships with customers. Thank-you messages or offers for repeat customers, appreciation messages, or even charity work could encourage such relations.
3. Implementing AI-powered tools can quickly adapt marketing strategies by creating a more personalized target approach. AI can learn consumer behavior to develop and show customized ads on websites and emails.
4. Encouraging customers to leave reviews, participate in experiences, and produce user-generated content amplifies trustworthiness and authenticity. Featuring these endorsements in advertising can further motivate prospects.
5. Regularly analyzing the campaign's outcomes and how clients are reacting to the marketing move would benefit the companies in fine-tuning their strategies. This feedback loop guarantees that the marketing work is effective and continues to work.

CONCLUSION

In the concluding section, Facebook marketing and its impact on consumer buying behavior has been imminent in bringing enormous success and prosperity to business ventures in recent days. Smart Facebook marketing can lead and transcend the boundaries of consumer preferences and consumer choices via promotional campaigns, strategic advertising systems, and customized marketing systems on account of catering consumer needs and demands in the nick of time. Facebook marketing has become a part and parcel of the digital marketing arena that can offer personalized content, interactive advertisements, and targeted marketing to fulfill consumer preferences and demands based on market choices. Facebook marketing can tantalize and allure consumers and buyers to create a strong impact on purchasing patterns and behaviors and even it can change post-purchasing behavior. On the other hand, Facebook marketing algorithms have been one of the most transformative and effective tools to engage consumers and ensure the highest rate of engagement rates in retaining consumer preferences.

After analyzing and understanding research findings, it can be surmised and conjectured that most consumers and customers have been greatly influenced and swayed away from watching videos scrolling down Facebook pages, and watching innovative product advertisements regularly. Furthermore, by conducting surveys through a structured questionnaire, this research paper has found that consumer preferences and choices could be highly influenced and enticed by publishing newsletters, emails, and direct marketing tools. Nevertheless, owing to the upsurge of artificial intelligence in marketing sectors, Facebook has invested plenty of money in analyzing and scrutinizing consumer behavior to carry out personalized promotional campaigns and advertisements. According to surveys and research findings, it can be implied that this research paper reiterates the importance of younger generations who take pleasure in Facebook marketing and watching Facebook reels, videos, and advertisements to know about product features and qualities within a short period. Facebook marketing can enhance and increase the viability of the brand image of specific products through celebrity endorsements, YouTube content, and paid reviews. Moreover, it has been revealed that students and job holders have been the greatest beneficiaries of Facebook marketing which can facilitate them to change their perceptions regarding purchasing products and post-purchase behavior. Social media has been predominantly influencing and changing consumers' perceptions and behaviors rapidly through personalized marketing campaigns. Facebook marketing is one of the most efficient tools that can leverage and facilitate data-driven decisions and make a positive impact on consumer buying behavior. Lastly, it can be said that Facebook marketing has been hailed as a great boon in today's marketing which changes and reshapes the business and corporate world entirely.

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APPENDIX

Data Collection: Primary data and secondary data have been collected through carrying out surveys, research case studies, academic papers, and research articles on this topic. In terms of primary data, the information was collected using Google Forms to reach out to active Facebook users who have been greatly influenced and tantalized by Facebook marketing. In this study, the non-probability sampling method was used as it is one of the most convenient sampling techniques for collecting data and choosing sample sizes. This research study, will explore and look over the impact of Facebook marketing on consumer buying behavior and its patterns. On the other side, most of the respondents from this well-structured survey have been from 18 and above and have been actively using Facebook and getting swayed away from Facebook marketing to reshape their buying patterns and consumer choices regarding purchasing goods and services. For primary data, 150 Facebook active users have been selected to fill up the questionnaire from the population. Despite the fact of taking a small scale sample size, conscious efforts have been made to collect and conduct this relevant research study in the Marketing specialization.

In terms of analyzing data, as per the instruction from the supervisor of the research project, regression analysis, and co-relation analysis have not applied to this research topic rather require a reasonable level of descriptive statistical analysis for example determining frequency distribution, percentage and use graph and charts to represent the whole snapshot of research studies on account using Excel.

Questionnaire :

1.   What is your age?
(a)   18–24
(b)   25–34
(c)   35–44

2. What is your gender?
(a)   Male
(b)   Female

3. What is your educational background?
(a)   Student
(b)   Employed
(c)   Self- employed
(d)   Unemployed

4. How much time do you spend on Facebook per day?
(a)   Less than 1 hour
(b)   1–2 hours
(c)   3–4 hours
(d)   More than 4 hour

5. What activities do you engage in on Facebook?
(a)   Browsing posts and updates
(b)   Watching videos
(c)   Participating in groups
(d)   Shopping or looking at product ads

6. How often do you notice advertisements on Facebook?
(a)   Always
(b)   Sometimes
(c)   Rarely
(d)   Often

7. How likely are you to explore products or services advertised on Facebook?
(a)   Very likely
(b)   Somewhat likely
(c)   Neutral
(d)   Unlikely

8. What type of Facebook content influences your purchasing decisions the most
(a)   Advertisements
(b)   Reviews and recommendations
(c)   Sponsored posts
(d)   Pages and group discussions

9. Does interaction with a product's Facebook page (e.g., messaging the brand or commenting on posts) increase your likelihood of purchase?
(a)   Yes, significantly
(b)   Yes, somewhat
(c)   No

10. What makes Facebook effective (or ineffective) as a platform for influencing buying behavior?