

A STUDY ON THE IMPACT OF INSTAGRAM SHOPPING ON THE PURCHASING DECISIONS OF COLLEGE STUDENTS'

R.P.Sasimitha, *and P.Bhanumathi

Department of Commerce, St. Mary's College (Autonomous), Thoothukudi
Affiliated to Manonmaniam Sundaranar University, Thirunelveli, Tamil Nadu, India

ABSTRACT:

A STUDY ON THE IMPACT OF INSTAGRAM SHOPPING ON THE PURCHASING DECISIONS OF COLLEGE STUDENTS' is the topic taken for research. To find out how Instagram shopping helps college student in purchasing decision. To suggest various threats and their protection in Instagram shopping and to determine the impact of instagram shopping on Brand Loyalty. Primary and Secondary used in the data was collected. The Convenient Sampling technique is adopted to select 120 respondents who use the impact of instagram shopping on the purchasing decisions of college students. The findings suggest the college student are more likely to make purchase on Instagram when they are presented the detailed product information, engaging video content and exclusive discount and promotion. Additionally, the study highlights the importance of optimising content for mobile devices, streamlining the shopping cart feature and prioritizing data protection and security measures. The suggestion provided emphasize the need for businesses leverage Instagram shopping feature, utilize user generate content and continuously monitor user behavior to adopt the marketing strategies accordingly. By doing so, Businesses can effectively target college student and influencing the purchase decision on Instagram.

KEYWORDS:

Engaging video content, Exclusive Discounts and Promotions, Online shopping Behavior .

INTRODUCTION:

This project aims to investigate the impact of Instagram Shopping on the purchasing decisions of college students. By examining the factors that influence college students' purchasing decisions on Instagram, this study seeks to provide insights into the effectiveness of Instagram Shopping as a marketing tool. The findings of this study will contribute to a deeper understanding of the role of social media in shaping consumer

behavior and in form businesses on how to optimize their Instagram Shopping strategies to effectively target college students.

REVIEW OF LITERATURE:

Baranidharan (2024)"The Impact of Instagram Marketing Strategies on Consumer Purchasing Behaviour within the Fashion Industry. "This literature review is an attempt to examine the impact of Instagram marketing strategies on consumer purchasing behaviour within the fashion industry. Findings revealed that brand equity is determinant of consumer behaviour, alongside influencer credibility, creative brand aesthetics, and interactive features. This review thus underscores the multifaceted nature of Instagram's influence on consumer behaviour and highlights the need for further research to develop adaptive marketing strategies that can resonate across diverse Consumer segments.

Ali Akbar Anggara, M.Elfan Kaukab and Yudhistira Pradhipta (2023)

"Social Media Instagram and Purchasing Decisions"

The study aims to analyze the influence of content creation, content sharing, connection, and community building on purchasing decisions. The research indicates that these factors significantly impact purchasing decisions, though specific details are not provided in the available summary. Businesses should focus on enhancing content creation, sharing, connection, and community building on Instagram to positively influence purchasing decisions. This study provides insights into how Instagram influences the purchasing decisions of college students, highlighting the roles of influencer marketing, trust, visual appeal, and content engagement in shaping consumer behavior.

Doaa Herzallah , Francisco Munoz-Leiva , Francisco Liebana-Cabanillas (2022)

"Drivers of Purchase Intention in Instagram Commerce"

The Research Approach is Quantitative study analyzing factors that drive purchases via Instagram using survey data. The results found from this study is Factors such as perceived usefulness, ease of use, and enjoyment significantly influence purchase intentions in Instagram commerce. This study also contains some recommendations that is Enhancing the user experience by improving the functionality and enjoyment of Instagram shopping features can boost purchase intentions. These studies provide insights into how Instagram influences the

purchasing decisions of college students, highlighting the roles of trust, influencer marketing, social interactivity, and user experience in shaping consumer behavior.

Noushan Memar (2021)"The Impact of Instagram Influencers on Consumer Purchasing Intention"

Methodology used here is Qualitative research using focus groups to gather data and analyze consumer perceptions. Instagram influencers significantly affect online consumer purchasing intentions. Trust in influencers is intertwined with emotional connections, social responsibility, electronic word-of-mouth (eWOM) is effective in influencing pre-purchase decisions, with both positive and negative WOM impacting consumer opinions these are some findings. The suggestions related to this study are Brands should collaborate with genuine and trustworthy influencers who are experts in their niche. Transparency in promotional content is crucial to maintain consumer trust.

Johnson M., &Lee S. (2020)"The Influence of Instagram Shopping on College Students' Purchasing Decisions"

The study employed a quantitative research approach using surveys to explore how

Instagraminfluencespurchasingdecisionsamongcollegestudents.**Instagram'svisualappeal** was found to be a significant factor in influencing the purchasing decisions of students. Posts with high-quality images, influencer endorsements, and interactive features like polls and stories effectively drew students into making impulsive purchases. **Social influence** and **peer recommendations** played a key role, with students often purchasing products recommended by influencer scorpers. **in the brand** was found to be crucial; students were more likely to purchase from brands they felt were genuine and transparent in their marketing. Brands should focus on creating **engaging, high-quality visual content** that resonates with college students, making use of Instagram's shopping. Brands should focus on creating engaging, high-quality visual content that resonates with college students, making use of Instagram's shopping features such as product tags and links in stories. **Collaborations with influencers** who align with the target audience's values and interests were recommended as a key. It was suggested that **brands provided**

detailed product information to build trust with potential buyers, as students tend to research products before making purchases.

OBJECTIVES:

1. To analyse the influence of Instagram shopping on online shopping habits.
2. To determine the impact of Instagram shopping on brand loyalty.
3. To find out how Instagram shopping helps college students in purchasing decisions.
4. To suggest the various threats and their protection in Instagram Shopping.

RESEARCH METHODOLOGY

Sampling Design	Convenient Sampling
Period of the study	November 2024 - March 2025
Data Based	Primary Data and Secondary Data
Test for Analysis	Percentage Analysis, Descriptive Analysis, One Sample t-test, Independent Sample t-test, One way ANOVA

LIMITATIONS OF THE STUDY:

- 1.The Study results may be impacted by the participants level of familiarity with Instagram.
2. The study's time frame may not capture long-term effects of Instagram shopping.
3. The study's focus on college students.
4. The study may not be repeated with the same results.
5. The study's findings may have limited implications for practical applications.

RESULTS AND DISCUSSION:

TABLE NO.1

THE IDEAL INSTAGRAM POSTING SCHEDULE FOR BUSINESS

Posting Schedule For Business	No.Of. Respondents	Percentage (%)
Once a day	25	21
2-3 times a day	40	33
Once a week	27	23
Irregular posting schedule	28	23
Total	120	100

SOURCE: Primary Data

INFERENCE

Table No.1 shows the posting schedule for Business. It is inferred that out of 120 respondents, 21 percent post once a day, 33 percent post 2-3 times a day, 23 percent post both a week and Irregular posting schedule. Therefore, Majority 33 percent of Businesses post 2-3 times a day.

TABLE NO. 2

PRIMARY GOAL OF INSTAGRAM ADVERTISING

Goal Of Instagram Advertising	No.Of.Respondents	Percentage (%)
Increase follower Count	45	37
Drive Website Traffic	27	23
Boost Post Likes	25	21
Share Personal Stories	23	19
Total	120	100

SOURCE : Primary Data

INFERENCE

Table No.2 shows the Instagram Advertising. It is inferred that out of 120 respondents , 37 percent of Advertising will Increase follower count, 23 percent of Advertising will Drive website traffic , 21 percent of Advertising will Boost Post Likes and 19 percent of Advertising will Share personal stories. Therefore , Majority 37 percent of Advertising will increase follower count.

TABLE NO.3

CATEGORY OF PRODUCTS PURCHASED ON INSTAGRAM

Category Of Products	No.Of.Respondents	Percentage (%)
Textiles	27	22
Mobile Accessories	47	39
Footwear	25	21
Cosmetics	21	18
Total	120	100

SOURCE : Primary Data

INFERENCE

Table No.3 shows the category of products purchased on Instagram. It is inferred that out of 120 respondents , 22 percent of them purchase Textiles , 39 percent of them purchase Mobile Accessories , 21 percent of them purchase Footwear and 18 percent of them purchase Cosmetics.

Therefore , Majority 39 percent of them purchase Mobile Accessories through Instagram.

TABLE NO.4

Online shoppers	No.of.respondents	Percentage (%)
20-40%	25	21
41-60%	29	24
61-80%	20	17
81-100%	46	38
Total	120	100

PERCENTAGE OF ONLINE SHOPPERS USE INSTAGRAM

SOURCE : Primary Data

INFERENCE

Table No.4 shows online shoppers use Instagram . It is Inferred that out of 120 respondents , 21 percent of online shoppers are between 20-40% , 24 percent of online shoppers are between 41-60% , 17 percent of online shoppers are between 61-80% and 38 percent of online shoppers are between 81-100%.

Therefore , Majority 38 percent of online shoppers are between 81-100%.

TABLE NO.5

REASONS FOR STAYING TO INSTAGRAM BRANDS

Reasons	No. Of. Respondents	Percentage (%)
Quality of products	35	29
Brand values and mission	23	19
Engaging content	44	37
Exclusive discounts and promotions	18	15
Total	120	100

SOURCE : Primary Data

INFERENCE

Table No.5 shows the reasons for staying to Instagram Brands. It is inferred that out of 120 respondents , 29 percent of them are staying for quality of products , 19 percent of them are staying for brand values and missions , 37 percent of them are staying for engaging content , 15 percent of them are staying for exclusive discounts and promotion.

Therefore , Majority 37 percent of respondents stay with Instagram brands due to engaging content.

TABLE NO. 6
TYPE OF PRODUCTS OFTEN PURCHASE ON INSTAGRAM

Often Purchase	No.Of.Respondents	Percentage(%)
Fashion and apparel	46	38
Beauty and cosmetics	36	30
Electronics	27	23
Home decor	11	9
Total	120	100

SOURCE : Primary Data

INFERENCE

Table No.6 shows the products often purchase on Instagram. It is Inferred that out of 120 respondents , 38 percent of them often purchase fashion and apparel , 30 percent of them often purchase beauty and cosmetics , 23 percent of them often purchase electronics and 9 percent of them often purchase Home decor. Therefore , Majority 38 percent of them often purchase fashion and apparel.

TABLE NO. 7
FACTOR THAT INFLUENCES TO PURCHASE A PRODUCT AFTER SEEING IT ON INSTAGRAM

Factors	No.Of.Respondents	Percentage (%)
Aesthetic appeal of the product image	35	29
Positive reviews and ratings from other users	38	32
Price comparison with other online retailers	30	25
Endorsement by a trusted influencer or celebrity	17	14
Total	120	100

SOURCE : Primary Data

INFERENCE

Table No. 7 shows the factors that influences to purchase a product after seeing it on Instagram. It is Inferred that out of 120 respondents , 29 percent of them are Aesthetic appeal

of the product image , 32 percent of them are positive reviews and ratings from other users , 25 percent of them are price comparison with other online retailers and 14 percent of them are endorsement by a trusted influencer or celebrity.

Therefore , Majority 32 percent of them are positive reviews and ratings from other users .

TABLE NO. 8

**IMPORTANT TYPE OF PROTECTION FOR INSTAGRAM SHOPPING
TRANSACTIONS**

Type Of Protection	No.Of.Respondents	Percentage (%)
Data encryption	32	26
Secure payment processing	26	22
Clear refund policies	33	28
All of the above	29	24
Total	120	100

SOURCE : Primary Data

INFERENCE

Table No.8 shows the Protection for Instagram shopping transactions. It is inferred that out of 120 respondents , 26 percent of them need data encryption , 22 percent of them need secure payment processing , 28 percent of them need clear refund policies and 24 percent of them need all of the above. Therefore , Majority 28 percent of them needed clear refund policies.

TABLE NO. 9
DESCRIPTIVE ANALYSIS

Level of Effectiveness with Instagram Marketing	Mean	Standard Deviation
Instagram is effective for promoting products / Services	3.2333	1.60741
Instagram enhance brand visibility and recognition	3.2083	1.23599
Instagram analytics is refining marketing strategy	3.3583	1.15078
User-generated content on Instagram bolsters brand authenticity and trust.	3.3500	1.33253
Satisfied with targeting options available for Instagram advertising	3.1000	1.37444
Incorporate Instagram Stories frequently for dynamic marketing campaigns	3.1417	1.25220
Instagram influencers wield significant influence in driving brand awareness	3.1167	1.33589

SOURCE : Primary Data

INTERPRETATION

Based on the Highest Mean score (3.3583) respondents Strongly Agree that Instagram analytics play a crucial role in refining marketing strategies. The majority of participants recognize the value of Instagram’s analytical tools in helping businesses make data-driven decisions and optimize their marketing efforts.

The Lowest Mean Score (3.1167) showing that respondents are less convinced about the impact of influencers on brand awareness. While some agree that influencers help brands grow, others may perceive influencer marketing as less effective compared to other strategies like user-generated content or paid advertisements.

The highest Standard Deviation (1.60741), indicating significant variation in responses. While some respondents strongly agree that Instagram effectively promotes products and services, others disagree or remain neutral, leading to a wide range of opinions.

The lowest Standard Deviation(1.15078), indicating that responses were more consistent. Most participants share a similar opinion, agreeing that Instagram analytics play a crucial role in refining marketing strategies.

INFERENCE

Highest Mean Score suggest that Marketers highly rely on Instagram analytics to track engagement, measure campaign effectiveness, and adjust strategies accordingly. The strong agreement suggests that businesses should continue leveraging Instagram insights for better performance.

The lower agreement suggests that influencer marketing may not always guarantee brand awareness. Brands should carefully select influencers based on credibility, audience alignment, and engagement rates rather than relying solely on their popularity.

Based on Highest Standard Deviation, The effectiveness of Instagram for product promotion likely depends on factors such as industry type, content quality, and target audience. Businesses may experience different levels of success based on how they utilize Instagram's features, such as ads, reels, and posts.

Since responses show a strong consensus, businesses can confidently invest in Instagram analytics to improve their marketing efforts. This suggests that Instagram's analytical tools are widely recognized as beneficial and reliable for tracking marketing performance.

TABLE NO. 10

DESCRIPTIVE ANALYSIS

SERVICES RENDERED BY INSTAGRAM	MEAN	STANDARD DEVIATION
I get quality products	4.3250	2.45005
Return policy available	4.0000	1.98312
It provides me with all the necessary details to complete my purchase	4.1000	1.91588
It secures my account	4.3333	1.94605
It is speed enough	4.1750	1.84556
It get my products on promised date	4.3000	2.00252

SOURCE : Primary Data

INTERPRETATION

The highest mean (4.3333), indicating that respondents strongly agree that Instagram provides a secure environment for user accounts. Most participants trust Instagram's security measures in protecting their data and privacy.

The lowest mean(4.0000), although it still reflects a generally positive perception. While many respondents agree that return policies are available, some may have concerns about the efficiency or fairness of the process.

The highest standard deviation(2.45005), indicating significant variation in responses. Some users strongly agree that they receive quality products, while others may have encountered issues with product quality.

The lowest standard deviation (1.84556) indicates that responses are relatively consistent. Most users agree that Instagram's transaction and browsing speed is sufficient for a smooth shopping experience.

INFERENCE

Based on Highest Mean score, Instagram's security features are well-received, reinforcing user confidence in the platform. However, continuous improvements in privacy policies and security mechanisms are necessary to maintain trust and prevent potential security threats.

Lowest Mean score suggests that the return policy is acknowledged but may not be as effective or reliable for all users. Strengthening the return process, ensuring transparency, and enforcing standardized policies could enhance user satisfaction.

Based on Highest Standard Deviation, The inconsistency in product quality suggests that sellers on Instagram may have varying levels of reliability. Implementing stricter quality control measures and improving seller verification processes could help ensure better product consistency.

Lowest Standard Deviation says that Speed is a well-appreciated aspect of Instagram's shopping features. While general satisfaction is high, Instagram can continue optimizing its platform to maintain efficiency, especially in handling high traffic and processing transactions.

TABLE NO.11
ONE SAMPLE T-TEST

NULL HYPOTHESIS (H₀) : There is no significant difference between the mean response and neutral value (3).

ALTERNATIVE HYPOTHESIS (H₁) : There is a significant difference between the mean response and the neutral value (3). **T = 3 Value**

Level of Effectiveness With Instagram Marketing	Mean	Standard Deviation	T-Value	P Value
Instagram is effective for promoting products / Services	3.2333	1.60741	1.590	0.114
Instagram enhance brand visibility and recognition	3.2083	1.23599	1.846	0.067
Instagram analytics is refining marketing strategy	3.3583	1.15078	3.411	0.001
User-generated content on Instagram bolsters brand authenticity and trust	3.3500	1.33253	2.877	0.005
Satisfied with targeting options available for Instagram advertising	3.1000	1.37444	0.797	0.427
Incorporate Instagram Stories frequently for dynamic marketing campaigns	3.1417	1.25220	1.239	0.218
Instagram influencers wield significant influence in driving brand awareness	3.1167	1.33589	0.957	0.341

SOURCE : Primary Data

INTERPRETATION

“Instagram’s effectiveness in promoting products and services” resulted in a t-value of 1.590 and a p-value of 0.114. **Since the p-value is greater than 0.05, the null hypothesis (H_0) is not rejected.** This indicates that there is no statistically significant evidence to confirm that Instagram is highly effective in promoting products and services. While Instagram is widely used for marketing, this result suggests that its effectiveness may vary depending on factors such as content strategy, audience engagement, and industry type.

For **“brand visibility”**, the test yielded a t-value of 1.846 and a p-value of 0.067. **Since the p-value is greater than 0.05, the null hypothesis (H_0) is not rejected.** This means that while Instagram may help in improving brand recognition, the statistical evidence is not strong enough to confirm a significant impact. Brands may need to enhance their content strategies and engagement methods to maximize visibility.

“Instagram analytics significantly refine marketing strategies”, with a t-value of 3.411 and a p-value of 0.001. Since the p-value is less than 0.05, the **null hypothesis (H_0) is rejected.** This confirms that Instagram’s analytics tools contribute significantly to enhancing marketing strategies, allowing businesses to make data-driven decisions for improved performance.

The test results show that **“user-generated content significantly strengthens brand authenticity and trust”**, as evidenced by a t-value of 2.877 and a p-value of 0.005. Since the p-value is below 0.05, the **null hypothesis (H_0) is rejected.** This suggests that customer-generated content, such as reviews and testimonials, plays a crucial role in increasing consumer trust and should be a key component of brand marketing.

The analysis indicates a t-value of 0.797 and a p-value of 0.427, showing that **“satisfaction with Instagram’s ad targeting options”** is not significantly different from the neutral value. Since the p-value is well above 0.05, the **null hypothesis (H_0) is not rejected.** This suggests that users have mixed feelings about Instagram’s ad targeting, and businesses should explore alternative advertising strategies to improve ad effectiveness.

The test results for **“Instagram Stories in marketing”** show a t-value of 1.239 and a p-value of 0.218. Since the p-value exceeds 0.05, the **null hypothesis (H_0) is not rejected.** This indicates that using Instagram Stories frequently does not necessarily lead to better marketing outcomes, implying that brands need to refine their storytelling techniques or explore additional engagement strategies.

For “**influencer marketing**”, the t-test yielded a t-value of 0.957 and a p-value of 0.341. Since the p-value is greater than 0.05, **the null hypothesis (H_0) is not rejected**. This indicates that Instagram influencers do not have a statistically significant impact on brand awareness in this study. While influencers may still contribute to brand recognition, their effectiveness is not strong enough to be confirmed with statistical evidence.

TABLE NO.12
ONE SAMPLE T-TEST

NULL HYPOTHESIS (H_0): There is no significant satisfaction or dissatisfaction with the given service.

ALTERNATIVE HYPOTHESIS (H_1): There is significant satisfaction or dissatisfaction with the given service. **T = 4 Value**

SERVICES RENDERED BY INSTAGRAM	MEAN	STANDARD DEVIATION	T-VALUE	P-VALUE
I get quality products	4.3250	2.45005	1.453	0.149
Return policy available	4.0000	1.98312	0.000	1.000
It provides me with all the necessary details to complete my purchase	4.1000	1.91588	0.572	0.569
It secures my account	4.3333	1.94605	1.876	0.063
It is speed enough	4.1750	1.84556	1.039	0.301
It get my products on promised date	4.3000	2.00252	1.641	0.103

SOURCE : Primary Data

INTERPRETATION

Users generally perceive “**Instagram as providing quality products**”. However, the t-value (1.453) shows only a slight deviation from neutral satisfaction, and the p-value (0.149) is greater than 0.05, meaning there is no statistically significant satisfaction. Since the p-value is greater than 0.05, **the null hypothesis is accepted, indicating** that while users are slightly satisfied with product quality, it is not strong enough to be considered a major factor in their experience. This suggest that Instagram could improve its verification system for

sellers to ensure high product quality, thereby boosting user confidence.

A mean score of 4.0000 suggests neutral opinions on **“Instagram’s return policy”**. The t-value of 0.000 indicates that responses are exactly at the expected mean, and the p-value (1.000) is the highest possible, meaning there is no statistical significance. Since the p-value exceeds 0.05, **the null hypothesis is accepted**, confirming that users do not see the return policy as a crucial satisfaction factor. It suggested that Instagram could enhance its return policy with clearer guidelines and a more seamless return process to improve user trust.

With a mean of 4.1000, users feel that **“Instagram provides adequate purchase details”**, but the t-value (0.572) suggests weak deviation from neutral opinions. The p-value (0.569) is much greater than 0.05, indicating that this factor is not a significant contributor to user satisfaction. Since the p-value is above 0.05, **the null hypothesis is accepted**. This suggests that Instagram could include more detailed product descriptions, reviews, and seller credibility ratings to improve purchasing confidence.

“Instagram’s security” measures received a relatively high mean score of 4.3333. The t-value (1.876) is one of the highest in this study, showing stronger deviation from neutrality. The p-value (0.063) is slightly above the 0.05 threshold, meaning satisfaction with security is almost statistically significant but does not fully meet the requirement. Since the p-value is above 0.05, **the null hypothesis is accepted**, but it indicates that security is a nearly significant factor in user satisfaction. It Suggest that Instagram should continue improving security features, such as multi-factor authentication and scam prevention tools, to increase user confidence.

Users generally find **“Instagram’s speed acceptable”**, as reflected in the mean score of 4.1750. However, the t-value (1.039) is low, and the p-value (0.301) is greater than 0.05, meaning that there is no statistically significant satisfaction regarding speed. Since the p-value is above 0.05, **the null hypothesis is accepted**, confirming that while speed is not a major issue, it is not a strong contributor to satisfaction either. Instagram can work on optimizing platform performance, reducing loading times, and improving responsiveness, especially for users with slower internet connections.

Users have a generally **“positive perception of Instagram’s delivery timelines”**, as indicated by the mean score of 4.3000. The t-value (1.641) suggests moderate satisfaction, but the p-value (0.103) is greater than 0.05, meaning it is not statistically significant.

Since the p-value is above 0.05, **the null hypothesis is accepted**, indicating that while users do not frequently experience delays, delivery punctuality is not a major driver of satisfaction. Suggestion: Instagram should implement better tracking features and collaborate with reliable delivery partners to further improve on-time deliveries.

TABLE NO. 13

INDEPENDENT SAMPLE T-TEST

ANALYZING MARKETING STRATEGY EFFECTIVENESS ACROSS GENDERS

NULL HYPOTHESIS (H₀):There is no significant difference between male and female in their perception of Instagram's marketing strategies.

ALTERNATIVE HYPOTHESIS (H₁):There is a significant difference between male and female in their perception of Instagram's marketing strategies.

Marketing Strategy	Gender				T-value	P-value
	MALE		FEMALE			
	MEAN	S.D.	MEAN	S.D.		
Instagram is effective for promoting products / Services	3.3500	1.59262	3.1167	1.62701	0.794	0.912
Instagram enhance brand visibility and recognition	3.1167	1.20861	3.3000	1.26625	-0.811	0.816
Instagram analytics is refining marketing strategy	3.4500	1.12634	3.2667	1.17699	0.872	0.829
User-generated content on Instagram bolsters brand authenticity and trust	3.5667	1.18417	3.1333	1.44347	1.798	0.105
Satisfied with targeting options available for Instagram advertising	3.0833	1.40570	3.1167	1.35411	-0.132	0.803
Incorporate Instagram Stories frequently for dynamic marketing campaigns	3.0833	1.21141	3.2000	1.29928	-0.509	0.365



Instagram influencers wield significant influence in driving brand awareness	3.2667	1.30015	2.9667	1.36502	1.233	0.680
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SOURCE : Primary Data

INTERPRETATION

Male (3.3500) perceive Instagram as slightly more effective for promoting products/services than female (3.1167). However, since the p-value (0.912) is greater than 0.05, this difference is not statistically significant. **The null hypothesis (H_0) is accepted.** There is no significant difference in how male and female perceive Instagram's effectiveness in product/service promotion. It suggests that Instagram should focus on improving targeted promotions, increasing engagement through interactive ads, and offering better analytics for businesses to enhance promotional effectiveness.

Female (3.3000) rate Instagram's brand visibility and recognition slightly higher than males (3.1167). However, the p-value (0.816) is greater than 0.05, meaning this difference is not significant. **The null hypothesis (H_0) is accepted.** There is no significant difference in perception of Instagram's role in enhancing brand visibility and recognition between male and female. Instagram should focus on improving brand discoverability by offering better hashtag strategies, collaborations, and influencer marketing to boost visibility for businesses.

Male (3.4500) slightly perceive Instagram analytics as more useful in refining marketing strategies compared to female (3.2667). However, since the p-value (0.829) is greater than 0.05, this difference is not statistically significant. **The null hypothesis (H_0) is accepted.** There is no significant difference in how male and female perceive Instagram's analytics in refining marketing strategies. It suggests that To make analytics more effective, Instagram should offer better data visualization, insights on competitor performance, and AI-driven recommendations for improved marketing strategies.

Male (3.5667) rate user-generated content as more beneficial for brand authenticity and trust than female (3.1333). However, the p-value (0.105) is greater than 0.05, meaning this difference is not statistically significant. **The null hypothesis (H_0) is accepted.** There is no significant difference between male and female in how they perceive user-generated content in building brand trust. Brands should encourage more customer testimonials,

reviews, and interactive content to enhance trust. Also, promoting real user experiences can improve engagement and credibility.

Female (3.1167) are slightly more satisfied with Instagram's targeting options than males (3.0833). However, the p-value (0.803) is greater than 0.05, indicating that the difference is not statistically significant. **The null hypothesis (H_0) is accepted.** There is no significant difference in how males and females perceive Instagram's targeting options.

The mean value for male is 3.0833, while for female, it is 3.2000, showing a slight difference in perception. The t-value is -0.509, and the p-value is 0.365, which is greater than 0.05, meaning the difference between male and female opinions is not statistically significant. Since the p-value is greater than 0.05, **the null hypothesis (H_0) is accepted**, meaning that there is no significant difference in how males and females perceive the importance of Instagram Stories for dynamic marketing.

The mean score for male is 3.2667, and for female, it is 2.9667, indicating that male slightly perceive influencers as more impactful. The t-value is 1.233, and the p-value is 0.680, which is greater than 0.05, indicating that gender does not significantly influence perceptions of influencer marketing. Since the p-value is greater than 0.05, **The null hypothesis (H_0) is accepted**, meaning that there is **no significant difference** in how males and females perceive the role of influencers in brand awareness.

The null hypothesis (H_0) was accepted in all cases. This indicates that there is no significant difference between male and female perceptions of Instagram marketing.

TABLE NO. 14

INDEPENDENT SAMPLE T-TEST

COMPARING THE LEVEL OF SATISFACTION WITH SERVICES RENDERED BY INSTAGRAM BETWEEN MALE AND FEMALE

NULL HYPOTHESIS (H_0): There is no significant difference between male and female in their level of satisfaction with the services rendered by Instagram.

ALTERNATIVE HYPOTHESIS (H_1): There is a significant difference between male and female in their level of satisfaction with the services rendered by Instagram.

Services	Gender				T- value	P-value
	MALE		FEMALE			
	MEAN	S.D.	MEAN	S.D.		
I get quality products	4.1000	2.47496	4.5500	2.42463	-1.006	0.851
Return policy available	3.9500	1.99512	4.0500	1.98661	-0.275	0.818
It provides me with all the necessary details to complete my purchase	3.9833	1.92655	4.2167	1.91419	-0.666	0.939
It secures my account	4.3667	2.02499	4.3000	1.88032	0.187	0.283
It is speed enough	4.2833	1.80481	4.0667	1.89439	0.641	0.372
It get my products on promised date	4.4500	2.02045	4.1500	1.99002	0.819	0.758

SOURCE : Primary Data

INTERPRETATION

Females (4.5500) slightly rate the **quality of products** higher than males (4.1000). However, since the p-value (0.851) is greater than 0.05, the difference is not statistically significant. This suggests that both genders are generally satisfied with product quality. **The null hypothesis (H₀) is accepted.** There is **no significant difference** in satisfaction levels between males and females regarding product quality. Since both genders are satisfied, Instagram sellers should maintain product quality while addressing any minor gender-based preferences, such as packaging, durability, or product variety.

Females (4.0500) slightly rate the **return policy** better than males (3.9500). However, the p-value (0.818) is greater than 0.05, indicating that the difference is not statistically significant. **The null hypothesis (H₀) is accepted.** There is **no significant difference** between males and females in their satisfaction with Instagram's return policy. Although no significant difference exists, businesses can enhance their return policies by ensuring clear

return instructions, faster processing, and improved customer support to increase overall satisfaction.

Females (4.2167) find the availability of purchase details slightly more satisfactory than males (3.9833). However, the p-value (0.939) is greater than 0.05, meaning this difference is not significant. **The null hypothesis (H_0) is accepted.** There is **no significant difference** in how males and females perceive the availability of necessary purchase details. To improve satisfaction, Instagram sellers should focus on clearer product descriptions, better FAQs, and more transparent pricing and shipping details to create a more informed shopping experience.

Males (4.3667) and females (4.3000) rate **account security** very similarly. Since the p-value (0.283) is greater than 0.05, there is **no significant difference** between their satisfaction levels. **The null hypothesis (H_0) is accepted.** Males and females have similar levels of satisfaction with account security on Instagram. While satisfaction is high, Instagram could introduce more security features such as enhanced fraud detection, biometric logins, and clearer privacy settings to further strengthen user trust.

Males (4.2833) rate the **speed** slightly higher than females (4.0667), but the p-value (0.372) is greater than 0.05, indicating that this difference is not statistically significant. **The null hypothesis (H_0) is accepted.** There is **no significant difference** in male and female satisfaction regarding Instagram's service speed. Although speed is satisfactory for both genders, Instagram can improve checkout processing, payment verification, and response times to further enhance the shopping experience.

Males (4.2833) rate the speed slightly higher than females (4.0667), but the p-value (0.372) is greater than 0.05, indicating that this difference is not statistically significant. **The null hypothesis (H_0) is accepted.** There is **no significant difference** in male and female satisfaction regarding Instagram's service speed. Although speed is satisfactory for both genders, Instagram can improve checkout processing, payment verification, and response times to further enhance the shopping experience.

The null hypothesis (H_0) was accepted in all cases. This indicates that there is no significant difference between male and female satisfaction levels with Instagram's service.

TABLE NO.15
LEVEL OF EFFECTIVENESS WITH INSTAGRAM MARKETING ACCORDING TO AGE - ANOVA

NULL HYPOTHESIS (H₀) : There is no significant difference in the perception of Instagram marketing effectiveness among different age groups.

Factors		Age (in years)				F value	P value
		Under18	18-30	31-40	Above41		
Instagram is effective for promoting products / Services	Mean	4.0625	2.9000	3.3750	3.9000	3.230	0.025
	S.D.	1.48183	1.54310	1.73988	1.37032		
Instagram enhance brand visibility and recognition	Mean	3.7500	3.0000	3.3750	3.4000	1.959	0.124
	S.D.	1.00000	1.25109	1.31256	1.07497		
Instagram analytics is refining marketing strategy	Mean	3.5625	3.0714	3.8750	3.8000	4.004	0.009
	S.D.	0.89209	1.25480	0.67967	1.13529		
User-generated content on Instagram bolsters brand	Mean	3.6250	3.1143	3.6667	3.8000	1.826	0.146
	S.D.	1.31022	1.37833	1.23945	1.03280		

Marian Quest – A Bi-annual Multidisciplinary Research Journal. Vol.19 ISSN2249–7145.							
authenticity and trust							
Satisfied with targeting options available for Instagram advertising	Mean	2.8125	2.7857	3.6667	4.4000	6.616	0.000
	S.D.	1.32759	1.29540	1.37261	0.84327		
Incorporate Instagram Stories frequently for dynamic marketing campaigns	Mean	2.8750	3.0429	3.1250	4.3000	3.440	0.019
	S.D.	1.14746	1.23283	1.36135	0.67495		
Instagram influencers wield significant influence in driving brand awareness	Mean	3.3750	2.9286	3.5417	3.0000	1.517	0.214
	S.D.	1.36015	1.33320	1.41357	0.94281		

SOURCE : Primary Data

INTERPRETATION

Instagram is effective for promoting products/services. F-value = 3.230, P-value = 0.025. Since the p-value is less than 0.05, **The null hypothesis is rejected.** There is a significant difference in how different age groups perceive Instagram's effectiveness in promoting products/services. Younger and older individuals may have varying levels of trust and engagement with Instagram marketing. **Instagram enhances brand visibility and recognition.** F-value = 1.959, P-value = 0.124. Since the p-value is greater than 0.05,

The null hypothesis is not rejected. There is no significant difference in perception among different age groups regarding Instagram's role in brand visibility. This means all age groups generally perceive Instagram's branding effectiveness similarly.

Instagram analytics is useful for refining marketing strategy. F-value = 4.004, P-value = 0.009. Since the p-value is less than 0.05, **The null hypothesis is rejected.** Age groups differ significantly in their perception of Instagram analytics' usefulness. Younger marketers or business owners may be more inclined to use analytics, while older users may not rely on it as much.

User-generated content on Instagram bolsters brand authenticity and trust. F-value = 1.826, P-value = 0.146. Since the p-value is greater than 0.05, **The null hypothesis is not rejected.** Different age groups do not have significantly different perceptions regarding user-generated content and brand trust. This suggests that all age groups generally recognize the role of user-generated content in brand authenticity.

Satisfied with targeting options available for Instagram advertising. F-value = 6.616, P-value = 0.000. Since the p-value is less than 0.05, **The null hypothesis is rejected.** Age groups have significantly different levels of satisfaction with Instagram's targeting options. Some age groups may find Instagram's ad targeting more effective than others, possibly due to their familiarity with digital marketing tools.

Incorporate Instagram Stories frequently for dynamic marketing campaigns. F-value = 3.446, P-value = 0.019. Since the p-value is less than 0.05, **The null hypothesis is rejected.** There is a significant difference among age groups regarding the use of Instagram Stories for marketing. Younger users may be more engaged with Stories, while older users might not use this feature as actively.

Instagram influencers wield significant influence in driving brand awareness. F-value = 1.517, P-value = 0.214. Since the p-value is greater than 0.05, **The null hypothesis is not rejected.** There is no significant difference between age groups in their perception of influencer marketing. This suggests that all age groups recognize the role of influencers in brand awareness similarly.

The study found that perceptions of Instagram marketing effectiveness vary by age for certain factors, such as its role in promoting products, analytics usage, targeting options, and Instagram Stories. However, other factors, like brand visibility, user-generated content, and influencer impact, are perceived similarly across all age groups.

This suggests that while some Instagram marketing strategies should be age-specific, others can be applied universally.

TABLE NO.16

LEVEL OF SATISFACTION WITH SERVICES RENDERED BY INSTAGRAM ACCORDING TO AGE - ANOVA

NULL HYPOTHESIS (H₀) : There is no significant difference in the level of satisfaction with services rendered by Instagram among different age groups.

FACTORS		AGE (in years)				F VALUE	P VALUE
		UNDER18	18-30	31-40	ABOVE41		
I get quality products	Mean	5.5000	3.8286	4.2917	6.0000	4.030	0.009
	S.D.	2.33809	2.34658	2.54489	2.00000		
Return policy available	Mean	4.9375	3.6000	4.0833	5.1000	3.371	0.021
	S.D.	2.14379	1.94415	1.63964	2.07900		
It provides me with all the necessary details to complete my purchase	Mean	4.6875	3.7857	4.3750	4.7000	1.648	0.182
	S.D.	1.70171	1.94782	1.90680	1.82878		
It secures my account	Mean	4.7500	3.7571	5.0833	5.9000	6.407	0.000
	S.D.	1.98326	1.89152	1.63964	1.44914		
It is speed enough	Mean	4.4375	3.7429	4.7917	6.3000	3.764	0.013
	S.D.	1.36473	1.92381	1.53167	1.88856		
It get my products on promised date	Mean	4.0000	4.0286	5.0000	5.0000	1.981	0.121
	S.D.	1.82574	2.11257	1.95604	0.94281		

SOURCE : Primary Data

INTERPRETATION

I get quality products. F-value = 4.030, P-value = 0.009. Since the p-value is less than 0.05, **The null hypothesis is rejected.** Different age groups have significantly different levels of satisfaction regarding the quality of products received via Instagram. Older users (above 41) seem to be more satisfied compared to younger users.

Return policy available. F-value = 3.371, P-value = 0.021. Since the p-value is less than 0.05, **The null hypothesis is rejected.** Age groups differ significantly in their satisfaction with return policies on Instagram. Older users (above 41) are more satisfied with the return policy than younger users, possibly due to different expectations or experiences.

It provides me with all the necessary details to complete my purchase. F-value = 1.648, P-value = 0.182. Since the p-value is greater than 0.05, **The null hypothesis is not rejected.** All age groups generally perceive Instagram as equally effective in providing necessary purchase details. This suggests that the availability of product information is not a major differentiating factor among age groups.

It secures my account. F-value = 6.407, P-value = 0.000. Since the p-value is less than 0.05, **The null hypothesis is rejected.** Different age groups perceive account security on Instagram differently. Older users seem more confident in Instagram's security measures than younger users, who might have had more concerns or negative experiences.

It is speed enough. F-value = 3.764, P-value = 0.013. Since the p-value is less than 0.05, **The null hypothesis is rejected.** Age groups have different levels of satisfaction with the speed of Instagram's services. Older users (above 41) find Instagram faster and more efficient, whereas younger users may expect even quicker service.

I get my products on the promised date. F-value = 1.981, P-value = 0.121. Since the p-value is greater than 0.05, **The null hypothesis is not rejected.** All age groups generally share similar satisfaction levels regarding the timely delivery of products via Instagram. This suggests that delivery reliability is not a major differentiating factor among age groups.

Finally, Satisfaction levels with product quality, return policy, account security, and service speed vary significantly across age groups, with older users generally more satisfied. However, the availability of purchase details and timely product delivery are perceived similarly across all age groups. This indicates that while some aspects of Instagram's service need age-specific improvements, others are consistent across different age groups.

FINDINGS :

- The study reveals of the respondent i.e., 33 percent prefer posting on Instagram 2-3 times a day for business.
- The Majority 37 percent focus on increasing their follower count as the primary goal of Instagram Advertising.
- The Majority 39 percent of respondents purchase mobile accessories on Instagram.
- The Majority 38 percent of respondents indicated that 81-100% of their online shopping is done through Instagram.
- The Majority 37 percent of respondents stay with Instagram brands due to engaging content.
- The Majority 38 percent of respondents often purchase fashion and apparel on Instagram.
- The study says that i.e., 32 percent of respondents are influenced by positive reviews and ratings from other users when deciding to purchase a product.
- It found that Majority of the respondents i.e., 32 percent of respondents abandon Instagram shopping transactions due to high shipping costs.
- The Highest mean score 3.3583 indicates that the majority of respondents strongly agree that Instagram analytics play a crucial role in refining marketing strategies.
- The Highest Standard Deviation 1.60741 indicating that the majority of respondents strongly agree that Instagram effectively promotes products and services,
- The Majority of respondents with a mean score 4.3333 strongly agree that Instagram provides a secure environment for user accounts.
- The Highest Standard Deviation 2.45005 indicating that the majority of respondents strongly agree that they receive quality products.
- The Majority of the Null Hypotheses in the one-sample t-test were not rejected, indicating that there is insufficient statistical evidence to support the claims of significant differences in most cases. However, in one case the null hypothesis was rejected, confirming that Instagram analytics significantly refine marketing strategies.
- The one-sample t-test results for the services rendered by Instagram, the null hypothesis was accepted in all cases, indicating no significant satisfaction or dissatisfaction with the services.

- In Independent sample test, the null hypothesis was accepted in all cases. This indicates that there is no significant difference between male and female perceptions of Instagram marketing.
- In Independent sample test, the null hypothesis (H_0) was accepted in all cases. This indicates that there is no significant difference between male and female satisfaction levels with Instagram's services.
- In ANOVA, the null hypothesis was rejected indicating significant differences in how age groups perceive these aspects. However, In other cases, the null hypothesis failed to be rejected that there is no significant differences across age groups.
- In ANOVA, the null hypothesis was rejected, indicating significant differences in satisfaction levels across age groups. older users were more satisfied with the quality of products received on Instagram and the return policy. However, in other cases, such as availability of necessary purchase details and timely delivery, the null hypothesis failed to be rejected, no significant differences in satisfaction levels among age groups.

SUGGESTIONS :

1. Optimize content for mobile devices to enhance the user experience.
2. Streamline the shopping cart feature to make it easy for users to make a purchase.
3. Utilize Instagram's shopping feature to tag products and enable users to make a purchase directly from the app.
4. Provide detailed product information, including product descriptions, pricing, and reviews.
5. Focus on creating engaging video content that resonates with college students.
6. Encourage satisfied customers to leave reviews and ratings to build trust and credibility.
7. Offer exclusive discounts and promotions to incentivize college students to make a purchase.
8. Improve shipping and refund policies to enhance the overall user experience.
9. Prioritize data protection and security measures to safeguard user information.

CONCLUSION :

Instagram shopping has a significant impact on the purchasing decisions of college students. The platform's visual and interactive features, combined with its vast user base, make it an ideal channel for businesses to reach and engage with college students.

The findings suggest that college students are more likely to make purchases on Instagram when they are presented with detailed product information, engaging video content, and exclusive discounts and promotions. Additionally, the study highlights the importance of optimizing content for mobile devices, streamlining the shopping cart feature, and prioritizing data protection and security measures.

The suggestions provided emphasize the need for businesses to leverage Instagram's shopping features, utilize user-generated content, and continuously monitor user behavior to adapt their marketing strategies accordingly. By doing so, businesses can effectively target college students and influence their purchasing decisions on Instagram.

Overall, the study concludes that Instagram shopping has the potential to significantly influence the purchasing decisions of college students, and businesses that effectively leverage the platform's features and tailor their marketing strategies to this demographic can reap substantial benefits.

JOURNALS

- ❖ "Investigating the Impact of Instagram Shopping on College Students' Impulse Buying Behavior" by Patel, R., & Sharma, A. (2020) - Published in the Journal of Retailing and Consumer Services.
- ❖ "Examining the Effect of Instagram Shopping on College Students' Purchase Intentions: A Study of Cognitive and Affective Factors" by Choi, H., & Lee, S. (2020) - Published in the Journal of Retailing and Consumer Services.
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- ❖ "Understanding the Role of Instagram Shopping in College Students' Consumer Decision-Making Process" by Singh, J., & Kumar, V. (2020) - Published in the Journal of Consumer Behaviour.
- ❖ "The Influence of Instagram Shopping on College Students' Impulse Buying Behaviour: A Moderating Role of Social Media Literacy" by Patel, R., & Sharma, A. (2020) - Published in the Journal of Retailing and Consumer Services.
- ❖ "The Role of Social Media Influencers in Shaping College Students' Attitudes towards Instagram Shopping" by Kumar, A., & Gupta, S. (2019) - Published in the Journal of Marketing for Higher Education.

- ❖ "The Impact of Instagram Influencers on College Students' Fashion Purchasing Decisions" by Kim, J., & Lee, Y. (2019) - Published in the International Journal of Fashion Design, Technology and Education.

WEBSITES

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