

IMPACT AND EFFECTIVENESS OF SOCIAL MEDIA ADVERTISING ON WORKING CLASS BUYING BEHAVIOUR

A Thesis submitted to Gujarat Technological University
for the Award of
Doctor of Philosophy
In
MANAGEMENT

Submitted by

GEVARIYA RINKUBEN JAYANTIBHAI
219999903024

Under the Guidance of

Prof. (Dr.) Ajay Shah
Director-JVIMS-Jamnagar



GUJARAT TECHNOLOGICAL UNIVERSITY
AHMEDABAD
October-2026

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**GUJARAT TECHNOLOGICAL UNIVERSITY AHMEDABAD
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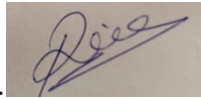
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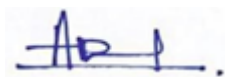
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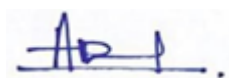
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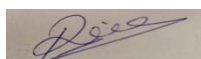
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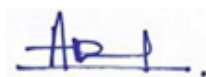
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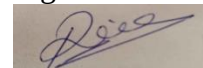
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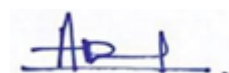
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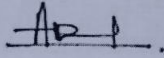
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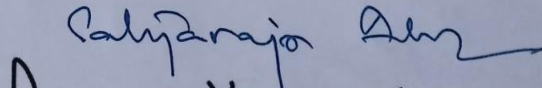
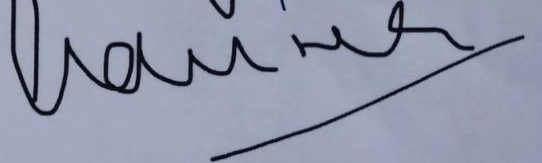
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“Feeling gratitude and not expressing it is like wrapping a present and not giving it.”

William Arthur Ward

This doctoral thesis represents not only the culmination of years of rigorous academic inquiry but also the collective support, encouragement, and guidance of numerous individuals to whom I am deeply and sincerely grateful.

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I dedicate this thesis to my beloved son, Dhyey, you are my greatest motivation and my purest source of strength. Every page of this thesis carries a little piece of the love I have for you. On the days when the research felt overwhelming and the path seemed unclear, your smile reminded me why persistence matters. You waited patiently through long hours and late nights without ever truly understanding why, and yet somehow, your presence made everything feel worthwhile. This achievement is as much yours as it is mine, my love.

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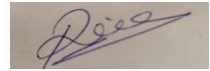
To my dear friends, who patiently listened to my anxieties, celebrated my breakthroughs with genuine joy, and stood by me through the long silences that research sometimes demands I am profoundly thankful. True friendship is rare and precious, and I have been extraordinarily fortunate to have people in my life who understood when I disappeared into my work and welcomed me back every single time without question. Your belief in me, often stronger than my own, carried me through more difficult days than I can count.

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Rinku Gevariya



LIST OF TABLES

This thesis contains 75 tables. Table numbers reflect the chapter of origin. All data tables are based on primary survey data (n = 754) unless otherwise indicated.

Table No.	Title	Chapter	Page
Table 1.1	Chapter Outline — Sections and Content Description	Chapter 1	1
Table 1.2(1.3(A))	Key Social Media & Digital Advertising Statistics — India	Chapter 1	9
Table 1.3	Operational Definitions of Key Constructs	Chapter 1	26
Table 1.4	Organisation and Chapter Scheme of the Thesis	Chapter 1	27
Table 2.1	Key Factors Affecting Consumers' Attitude Toward Social Media Advertising	Chapter 2	48
Table 3.1	Research Objectives of the Study	Chapter 3	70
Table 3.2	Research Hypotheses (H ₀₁ –H ₀₁₁)	Chapter 3	72
Table 3.2	Summary of Construct Measurement — Dimensions, Items, Scale, and Source	Chapter 3	80
Table 3.3	Reliability and Convergent Validity — Cronbach's Alpha, CR & AVE (n = 754)	Chapter 3	86
Table 3.4	Discriminant Validity — Fornell-Larcker Criterion Matrix	Chapter 3	87
Table 3.5	Summary of Hypotheses and Corresponding Statistical Tests	Chapter 3	90
Table 4.1(a)	Gender Distribution — Data Table (n = 754)	Chapter 4	99
Table 4.1(b)	Gender Distribution — Summary Statistics	Chapter 4	99
Table 4.2(a)	Age Distribution — Data Table (n = 754)	Chapter 4	101
Table 4.2(b)	Age Distribution — Summary Statistics	Chapter 4	101
Table 4.3(a)	Income Distribution — Data Table (n = 754)	Chapter 4	103
Table	Income Distribution — Summary Statistics	Chapter 4	103

Table No.	Title	Chapter	Page
4.3(b)			
Table 4.4(a)	Occupational Distribution — Data Table (n = 754)	Chapter 4	105
Table 4.4(b)	Occupational Distribution — Summary Statistics	Chapter 4	105
Table 4.5(a)	Educational Level Distribution — Data Table (n = 754)	Chapter 4	107
Table 4.5(b)	Educational Level — Summary Statistics	Chapter 4	107
Table 4.1	Summary of Demographic Profile of Respondents (n = 754)	Chapter 4	109
Table 4.6(a)	Frequency of Social Media Engagement — Data Table (n = 754)	Chapter 4	110
Table 4.6(b)	Frequency of Engagement — Summary Statistics	Chapter 4	110
Table 4.7(a)	Number of Social Media Applications Used — Data Table (n = 754)	Chapter 4	112
Table 4.7(b)	Number of Apps Used — Summary Statistics	Chapter 4	112
Table 4.8(a)	Time Spent on Social Networking Sites Per Day — Data Table (n = 754)	Chapter 4	114
Table 4.8(b)	Time Spent Per Day — Summary Statistics	Chapter 4	114
Table 4.9(a)	Awareness of Social Media Advertising — Data Table (n = 754)	Chapter 4	116
Table 4.9(b)	Advertising Awareness — Summary Statistics	Chapter 4	116
Table 4.10	Product/Service Categories in Social Media Advertising (n = 754)	Chapter 4	118
Table 4.11	Social Media Connection Types (n = 754)	Chapter 4	120
Table 4.12(a)	Community Factor (F1) — Likert Response Distribution (n = 754)	Chapter 4	121
Table 4.12(b)	Community Factor (F1) — Construct Statistics	Chapter 4	121
Table 4.13(a)	Dependence Factor (F2) — Likert Response Distribution (n = 754)	Chapter 4	123

Table No.	Title	Chapter	Page
Table 4.13(b)	Dependence Factor (F2) — Construct Statistics	Chapter 4	123
Table 4.14(a)	Trust Factor (F3) — Likert Response Distribution (n = 754)	Chapter 4	125
Table 4.14(b)	Trust Factor (F3) — Construct Statistics	Chapter 4	125
Table 4.15(a)	Entertainment Factor (SM1) — Likert Response Distribution (n = 754)	Chapter 4	127
Table 4.15(b)	Entertainment Factor (SM1) — Construct Statistics	Chapter 4	127
Table 4.16(a)	Informativeness Factor (SM2) — Likert Response Distribution (n = 754)	Chapter 4	129
Table 4.16(b)	Informativeness Factor (SM2) — Construct Statistics	Chapter 4	129
Table 4.17(a)	Credibility Factor (SM3) — Likert Response Distribution (n = 754)	Chapter 4	131
Table 4.17(b)	Credibility Factor (SM3) — Construct Statistics	Chapter 4	131
Table 4.18(a)	Irritation Factor (SM4) — Likert Response Distribution, Reverse-Coded (n = 754)	Chapter 4	133
Table 4.18(b)	Irritation Factor (SM4) — Construct Statistics	Chapter 4	133
Table 4.19(a)	Purchase Intention Factor (SM5) — Likert Response Distribution (n = 754)	Chapter 4	135
Table 4.19(b)	Purchase Intention Factor (SM5) — Construct Statistics	Chapter 4	135
Table 4.2	Comparative Summary of All Construct Statistics	Chapter 4	137
Table 4.20(a)	Consumer Attitude — Purpose & Effectiveness of SM Advertising (n = 754)	Chapter 4	138
Table 4.20(b)	Consumer Attitude — Summary Statistics	Chapter 4	138
Table 4.2	Descriptive Statistics of All Constructs (n = 754)	Chapter 4	140
Table 4.3	Tests of Normality — Kolmogorov-Smirnov and Shapiro-Wilk (n = 754)	Chapter 4	142
Table 4.4	Crosstabulation — Time Spent × Perceived	Chapter 4	143

Table No.	Title	Chapter	Page
	Value		
Table 4.5	Chi-Square Tests — Time Spent × Perceived Value	Chapter 4	143
Table 4.6	Crosstabulation — Number of Platforms × Perceived Value	Chapter 4	144
Table 4.7	Chi-Square Tests — Number of Platforms × Perceived Value	Chapter 4	145
Table 4.8	Crosstabulation — Social Media Usage × Trustworthiness	Chapter 4	146
Table 4.9	Chi-Square Tests — Social Media Usage × Trustworthiness	Chapter 4	146
Table 4.10	Descriptive Statistics — Mediation Analysis Variables	Chapter 4	148
Table 4.11	Spearman Rank Correlation Matrix — Mediation Variables (n = 754)	Chapter 4	149
Table 4.12	Path-Level Statistics — Mediation Analysis (Sobel Test)	Chapter 4	150
Table 4.12a	Mediation Strength Classification Summary	Chapter 4	151
Table 4.13	Spearman Rank Correlation Matrix — Moderation Variables (n = 754)	Chapter 4	153
Table 4.13a	Rank-Based Moderation Analysis — Trustworthiness as Moderator	Chapter 4	155
Table 4.14	Kruskal-Wallis Ranks — Purchase Intention by Age	Chapter 4	158
Table 4.15	Kruskal-Wallis Test Statistics — Purchase Intention by Age	Chapter 4	158
Table 4.16	Kruskal-Wallis Ranks — Purchase Intention by Education	Chapter 4	159
Table 4.17	Kruskal-Wallis Test Statistics — Purchase Intention by Education	Chapter 4	159
Table 4.18	Mann-Whitney U Test — Purchase Intention by Gender	Chapter 4	160
Table 4.19	Kruskal-Wallis Ranks — Purchase Intention by Income	Chapter 4	161
Table 4.20	Kruskal-Wallis Test Statistics — Purchase Intention by Income	Chapter 4	161

Table No.	Title	Chapter	Page
Table 4.21	Kruskal-Wallis Ranks — Purchase Intention by Occupation	Chapter 4	162
Table 4.22	Kruskal-Wallis Test Statistics — Purchase Intention by Occupation	Chapter 4	162
Table 4.23	Consolidated Summary of All Hypothesis Testing Results (H_{01} – H_{011})	Chapter 4	163
Table 5.1	Integrated Summary — Findings, Literature Alignment and Implications	Chapter 5	188

Total: 75 tables

LIST OF FIGURES

This thesis contains 21 figures. All figures were generated from primary survey data (n = 754) using SPSS. Figure numbers correspond to the chapter of origin.

Figure No.	Title	Chapter	Page
Figure 1.1	Growth of Social Media Users in India, 2018–2025 (in Millions)	Chapter 1	10
Figure 1.2	Platform-wise Social Media Users in India (2025, in Millions)	Chapter 1	11
Figure 1.3:	Age-wise Distribution of Social Media Users in India	Chapter 1	12
Figure 1.4	Social Media Advertising Revenue in India (2020–2025, USD Billion)	Chapter 1	13
Figure 1.5	Distribution of Digital Advertising Spend in India	Chapter 1	14
Figure 3.1	Conceptual Framework — Impact and Effectiveness of Social Media Advertisements on Working-Class Buying Behaviour	Chapter 3	75
Figure 4.1	Gender Distribution of Respondents (n = 754)	Chapter 4	113
Figure 4.2	Age Distribution of Respondents (n = 754)	Chapter 4	115
Figure 4.3	Income Distribution of Respondents (n = 754)	Chapter 4	116
Figure 4.4	Occupational Distribution of Respondents (n = 754)	Chapter 4	117
Figure 4.5	Educational Level Distribution of Respondents (n = 754)	Chapter 4	118
Figure	Frequency of Social Media Engagement (n =	Chapter 4	120

Figure No.	Title	Chapter	Page
4.6	754)		
Figure 4.7	Number of Social Media Applications Used (n = 754)	Chapter 4	122
Figure 4.8	Time Spent on Social Networking Sites Per Day (n = 754)	Chapter 4	123
Figure 4.9	Awareness of Social Media Advertising (n = 754)	Chapter 4	124
Figure 4.10	Product/Service Categories Most Frequently Seen in Social Media Advertising (n = 754)	Chapter 4	125
Figure 4.11	Social Media Connection Types (n = 754)	Chapter 4	127
Figure 4.12	Community Factor (F1) — Likert Response Distribution (n = 754)	Chapter 4	128
Figure 4.13	Dependence Factor (F2) — Likert Response Distribution (n = 754)	Chapter 4	131
Figure 4.14	Trust Factor (F3) — Likert Response Distribution (n = 754)	Chapter 4	133
Figure 4.15	Entertainment Factor (SM1) — Response Distribution (n = 754)	Chapter 4	136
Figure 4.16	Informativeness Factor (SM2) — Response Distribution (n = 754)	Chapter 4	138
Figure 4.17	Credibility Factor (SM3) — Response Distribution (n = 754)	Chapter 4	140
Figure 4.18	Irritation Factor (SM4) — Response Distribution, Reverse-Coded (n = 754)	Chapter 4	142
Figure 4.19	Purchase Intention Factor (SM5) — Response Distribution (n = 754)	Chapter 4	144
Figure 4.20	Consumer Attitude — Purpose and Effectiveness of Social Media Advertising (n = 754)	Chapter 4	148

LIST OF ABBREVIATIONS AND SYMBOLS

The following symbols, statistical notations, and abbreviations are used throughout the thesis, organized thematically.

Statistical Symbols

Symbol / Abbreviation	Full Form and Explanation
ρ (rho)	Spearman's Rank Correlation Coefficient — non-parametric measure of association
χ^2 (chi-square)	Chi-Square Test Statistic — used for crosstabulation analysis (Objectives 1 & 2)
H	Kruskal-Wallis H Statistic — non-parametric equivalent of one-way ANOVA (Objective 5)
U	Mann-Whitney U Statistic — non-parametric test for two independent groups (gender analysis)
p	Probability Value — likelihood of observing the result under the null hypothesis
α (alpha)	Level of Significance — set at .05 throughout this study
β (beta)	Regression Coefficient / Slope — used in mediation and moderation path analysis
R^2	Coefficient of Determination — proportion of variance explained
ΔR^2	Change in R^2 — used to assess incremental moderation effect
M	Mean Score — arithmetic average of construct responses
SD	Standard Deviation — measure of variability around the mean
SE	Standard Error — precision of the sample mean estimate
df	Degrees of Freedom — used in Chi-Square and Kruskal-Wallis tests
n	Sample Size — n = 754 in this study
IE	Indirect Effect — product of path coefficients in mediation analysis (Sobel test)
KS	Kolmogorov-Smirnov Test — normality test for larger samples
SW	Shapiro-Wilk Test — normality test confirming non-normal distributions ($p < .001$)

Research Construct Abbreviations

Symbol / Abbreviation	Full Form and Explanation
SM	Social Media
SM Advertising	Social Media Advertising
PAV	Perceived Advertising Value
IV	Independent Variable (Advertising Exposure)
DV	Dependent Variable (Buying Behaviour)
PV	Perceived Value — composite five-item scale
F1	Community Factor — dimension of Trustworthiness construct
F2	Dependence Factor — dimension of Trustworthiness construct
F3	Trust Factor — dimension of Trustworthiness construct
SM1	Entertainment Factor — dimension of Perceived Advertising Value
SM2	Informativeness Factor — dimension of Perceived Advertising Value (M = 4.28, highest rated)
SM3	Credibility Factor — dimension of Advertising Effectiveness
SM4	Irritation Factor — reverse-coded dimension of Perceived Advertising Value
SM5	Purchase Intention Factor — dimension of Buying Behaviour

Measurement and Validity Abbreviations

Symbol / Abbreviation	Full Form and Explanation
CR	Composite Reliability — internal consistency measure (threshold ≥ 0.70); range 0.777–0.917
AVE	Average Variance Extracted — convergent validity measure (threshold ≥ 0.50); range 0.496–0.787
α	Cronbach's Alpha — internal consistency reliability coefficient; range 0.581–0.820 (Nunnally, 1978; Field, 2018)
KMO	Kaiser-Meyer-Olkin Measure of Sampling Adequacy

Symbol / Abbreviation	Full Form and Explanation
MSV	Maximum Shared Variance — used in discriminant validity assessment

Hypothesis Notation

Symbol / Abbreviation	Full Form and Explanation
H ₀	Null Hypothesis — hypothesis of no significant relationship or difference
H ₁	Alternative Hypothesis — hypothesis of a significant relationship or difference
H ₀₁ –H ₀₁₁	Eleven null hypotheses tested in this study across five research objectives
***	Statistically significant at p < .001
**	Statistically significant at p < .01
*	Statistically significant at p < .05
ns	Not Statistically Significant
✓ / Rejected	Null hypothesis rejected — statistically significant finding
✗ / Accepted	Null hypothesis accepted — not statistically significant

Theoretical Model Abbreviations

Symbol / Abbreviation	Full Form and Explanation
AIDA	Awareness–Interest–Desire–Action model (classical advertising model; Baltes, 2015)
TAM	Technology Acceptance Model (Davis, 1989)
TRA	Theory of Reasoned Action (Fishbein & Ajzen, 1975)
TPB	Theory of Planned Behaviour (Ajzen, 1991)
AVModel	Advertising Value Model (Ducoffe, 1996) — primary theoretical framework of this study

General Abbreviations

Symbol / Abbreviation	Full Form and Explanation
eWOM	Electronic Word-of-Mouth — consumer-generated online reviews and recommendations
WOM	Word-of-Mouth — peer-to-peer communication about products/brands
UGC	User-Generated Content — consumer-produced content on social media platforms
SNS	Social Networking Site(s) — e.g., Facebook, Instagram, YouTube, WhatsApp
ICT	Information and Communication Technology
SPSS	Statistical Package for the Social Sciences — software used for data analysis
PRISMA	Preferred Reporting Items for Systematic Reviews and Meta-Analyses
APA	American Psychological Association — citation style used in this thesis
PhD	Doctor of Philosophy
et al.	And others (Latin: et alii) — used for multi-author citations (3+ authors)
n.d.	No date — used in references where publication date is unavailable
₹	Indian Rupee — currency unit used in income classifications
lakhs	Indian unit = 100,000; e.g., ₹3.1 lakhs = ₹310,000

CHAPTER 1

INTRODUCTION

“Social media is not just a spoke in the wheel of marketing. It is becoming the way entire bicycles are built.”

— Ryan Lilly

◆ Chapter Opening — Establishing the Foundation ◆

This thesis begins with a foundational question that lies at the intersection of digital marketing, consumer psychology, and socioeconomic diversity: how effectively does social media advertising influence the buying decisions of working-class consumers in contemporary India? Chapter 1 establishes the intellectual and contextual scaffolding for the entire inquiry. It traces the paradigm shift from traditional, unidirectional advertising to the participatory, interactive, and data-driven ecosystem of social media; it maps the distinctive characteristics of working-class consumers in the Gujarati digital marketplace; and it identifies the critical research gaps that motivate the investigation. By the close of this chapter, the reader will have encountered the five research objectives, eleven null hypotheses, and the conceptual boundaries within which the entire thesis operates. The journey from context to conclusions begins here.

Table 1.1: Chapter Outline

Section	Title	Content Description
1.1	Chapter Outline	Structured overview of all sections covered in Chapter 1.
1.2	Background of the Study	Evolution from Web 1.0 to Web 2.0; paradigm shifts in marketing communication; emergence of digital consumer ecosystems (Kaplan & Haenlein, 2010; Mangold & Faulds, 2009).
1.3	Growth of Social Media Platforms	Exponential platform growth, mobile internet penetration, and transformation of information dissemination for working-class consumers. India surpasses 240 million Facebook users (2017).
1.4	Concept of Social Media Advertising	Definitions, interactivity, personalization, two-way communication, influencer marketing, user-generated content, and advertising formats (Facebook, Instagram, YouTube, WhatsApp).
1.5	Understanding Working-Class Consumers	Socio-economic profiling; income constraint and value consciousness; mobile dependency; peer-validation and social proof behaviours.
1.6	Buying Behaviour in the Digital Era	Decision-making models; AIDA model in digital context; Technology Acceptance Model (TAM); shift to information-driven and influence-driven purchasing.
1.7	Relationship Between SM Advertising and Buying Behaviour	Perceived advertising value; trustworthiness of source; content quality and relevance; multi-platform exposure and brand recall.
1.8	Significance of the Study	Practical significance for marketers; policy and platform implications; academic and theoretical contributions.
1.9	Scope and Delimitations	Geographic (Gujarat), temporal (cross-sectional), demographic (working-class), platform, and methodological delimitations.
1.10	Operational Definitions	Key constructs: Advertising Exposure, Perceived Advertising Value, Trustworthiness, Buying Behaviour, Working-Class Consumers, Social Media Usage, Perceived Value (PV).
1.11	Organisation of the Thesis	Chapter scheme and description of all five chapters; structure of preliminary pages, bibliography, and appendices.

1.1 CHAPTER OUTLINE

This chapter provides a structured introduction to the research problem and establishes the conceptual and contextual foundation for the study. It traces the evolution of social media advertising, profiles the working-class consumer segment, maps the theoretical framework, identifies the research gap, and presents the objectives, hypotheses, scope, operational definitions, and overall organisation of the thesis. The following table presents an overview of all major sections covered in this chapter.

1.2 BACKGROUND OF THE STUDY

1.2.1 The Paradigm Shift: From Web 1.0 to Web 2.0 and the Emergence of Participatory Marketing

Marketing communication underwent a structural transformation at the turn of the millennium that fundamentally altered the relationship between brands and their audiences. Earlier digital environments were designed primarily for passive consumption — users could retrieve information but could not meaningfully respond to or participate in it. The emergence of interactive platforms dismantled this one-directional model, replacing it with a participatory ecosystem where consumers became active agents in the co-construction of brand narratives rather than mere receivers of commercially manufactured messages.

The emergence of Web 2.0 technologies has precipitated the dissolution of this conventional configuration, fostering instead a 'pull' and 'participatory' culture in which consumers assume unprecedented agency. According to Kaplan and Haenlein (2010), social media enables the creation and exchange of user-generated content, giving birth to the concept of the 'prosumer'—an individual who simultaneously consumes and produces information. This conceptual evolution has far-reaching implications for marketing theory and practice. Consumers no longer passively receive promotional messages; rather, they actively create, share, critically evaluate, and substantially influence marketing content through multifarious forms of digital interaction, thereby assuming an unprecedented degree of agency in the

construction of marketplace meanings and brand narratives. (Kaplan & Haenlein, 2010; Mangold & Faulds, 2009)

From a theoretical standpoint, this transformation renders classical advertising models such as the AIDA (Awareness–Interest–Desire–Action) framework increasingly insufficient as standalone explanatory constructs (Baltes, 2015). Contemporary consumer journeys are nonlinear, socially mediated, and digitally embedded, demanding that scholars reconceptualize their theoretical premises and that practitioners reformulate their strategic approaches. The imperative for empirically grounded, context-sensitive frameworks capable of capturing the complexity of digital consumer behaviour has accordingly become a central preoccupation of the marketing research agenda.

1.2.2 The Ubiquity of Social Media and Its Implications for Developing Economies

Over the past two decades, social media platforms—including, but not limited to, Facebook, Instagram, YouTube, WhatsApp, Twitter (now X), and LinkedIn—have emerged as the preeminent channels for information dissemination, opinion leadership, and purchase decision-making in the twenty-first century. These platforms facilitate continuous connectivity and real-time interaction between brands and consumers, enabling marketers to deliver personalized messages, respond instantaneously to customer feedback, and cultivate long-term relational bonds that transcend individual transactional episodes (Mangold & Faulds, 2009). The social architecture of these platforms—built upon networks of trust, reciprocity, and shared identity—renders them uniquely powerful conduits for the transmission of commercial information and the shaping of consumer attitudes and behavioural intentions.

The ubiquity of smartphones and the rapid proliferation of affordable internet services have served as powerful accelerants of this trend, particularly within developing and emerging economies. Mobile-first internet adoption has democratized access to digital social spaces, making social media the primary—and, in many cases, the singular—source of product information for large and hitherto underserved consumer segments, including working-class

populations residing in urban and peri-urban contexts. According to Tuten and Solomon (2017), the increasing penetration of low-cost internet services has enabled a new stratum of digital consumers to participate in the commercial information ecosystem, fundamentally altering the landscape of consumer–brand interaction.

1.2.3 The Strategic Superiority of Social Media Advertising Over Traditional Media

Unlike conventional advertising media—such as television, print newspapers, and terrestrial radio—social media advertising is inherently interactive, algorithmically mediated, and data-driven. Advanced analytics infrastructures permit firms to monitor consumer behaviour, map preference topographies, and identify nuanced engagement patterns with an unprecedented degree of granularity, thereby enabling the design of highly targeted and contextually customized advertising strategies (Lambrecht & Tucker, 2013). Advertising content can now be dynamically tailored in accordance with multidimensional consumer profiles encompassing demographic characteristics, expressed interests, purchasing histories, psychographic orientations, and geographic coordinates.

Dehghani and Tumer (2015) argue that the effectiveness of social media advertising is fundamentally rooted in its capacity to integrate entertainment, informativeness, and credibility within a single communicative act, significantly enhancing consumer engagement and purchase intention. For the working-class consumer, advertisements encountered on social media platforms frequently address immediate household or professional needs, anchoring the advertising message in the lived realities of the consumer's daily existence. This capacity for hyper-personalization substantially enhances message relevance, perceived value, and persuasive efficacy, positioning social media advertising as qualitatively superior to its traditional counterparts.

1.2.4 Cost-Effectiveness, Virality, and the Formation of Brand Communities

Beyond its superior targeting capabilities, social media advertising presents a compelling value proposition on grounds of cost-effectiveness and scalability. The marginal cost of reaching incremental audience segments through social media is substantially lower than through traditional broadcast or print media, conferring a democratizing competitive advantage that reconfigures the marketplace in favour of resource-constrained market participants (Ashley & Tuten, 2015). Furthermore, the viral nature of social media content—amplified through peer sharing, influencer endorsements, and user-generated reviews—exponentially extends brand visibility and perceived credibility at minimal additional financial outlay. Stephen (2016) further highlights that the digital environment empowers marketers to measure campaign performance in real time using engagement metrics such as likes, shares, comments, click-through rates, and conversions, thereby enabling continuous campaign optimization.

These characteristics collectively transform social media advertising from a narrowly defined promotional instrument into a multifunctional platform for brand community formation, trust cultivation, and the deepening of consumer–brand relational bonds through sustained two-way communication (Kozinets et al., 2010). Real-time brand interaction fosters transparency and relational bonding, which is of particular significance for working-class consumers who depend heavily on peer validation and experiential information before committing to purchase decisions.

1.2.5 The Working-Class Consumer in the Digital Marketplace

The convergence of the aforementioned structural transformations has produced a paradigmatic reconfiguration of the determinants and dynamics of buying behaviour, with particular salience for working-class consumers—a segment often characterized in the developing economy literature as the 'aspirational middle.' Economically, these consumers navigate the constraints of fixed monthly wages and limited disposable income. Psychologically, they may be conceptualized as 'cautious optimists': individuals who aspire to improved standards of living yet are acutely cognizant of the risks associated with poor purchasing decisions. Consequently, their buying behaviour is deeply grounded in the imperatives of validation and value assurance.

Working-class consumers exhibit a pronounced reliance on mobile-based social platforms—including YouTube, Facebook, Instagram, and WhatsApp—as the primary infrastructure for product awareness, evaluation, and transactional decision-making. This dependence on digital platforms has rendered social media advertising a crucial communication channel for reaching this consumer group effectively. The theoretical and empirical attention accorded to this demographic remains disproportionately limited, making a rigorous examination of how social media advertising influences working-class buying behaviour not merely academically desirable but an urgent prerequisite for advancing inclusive and globally relevant marketing knowledge.

1.3 GROWTH OF SOCIAL MEDIA PLATFORMS AS DOMINANT ADVERTISING MEDIA

Social media platforms have experienced exponential growth in both active user bases and daily engagement metrics, establishing themselves as the dominant vehicles for advertising and brand communication in the contemporary marketplace. Unlike traditional mass media, social media enables continuous connectivity and facilitates consumer interaction with brands irrespective of temporal or geographic constraints (Tuten & Solomon, 2017). The increasing penetration of smartphones and low-cost internet services in developing economies has further accelerated this trajectory, particularly among working-class populations who rely heavily on mobile-based social platforms for product information, price comparisons, and peer recommendations. (Kaplan & Haenlein, 2010; Hanna, Rohm, & Crittenden, 2011)

A seminal contribution to understanding social media's promotional character came from Mangold and Faulds (2009), whose hybrid model recognised that digital platforms simultaneously perform functions previously separated between traditional advertising (message delivery) and public relations (relationship management). What makes their framework particularly relevant to working-class advertising contexts is the emphasis on consumer co-participation — a dynamic that, as this thesis demonstrates empirically, is amplified when consumers engage across multiple platforms simultaneously. Logan et al. (2012) extended this insight by showing that cumulative exposure — not single encounters — is what generates durable brand memory among regular social media users.

According to the Pew Research Center (2017), approximately 70 percent of adults in America used at least one social networking site, with global social media users reaching 3.196 billion by 2018—an increase of 13 percent year-on-year (Chaffey, 2018). In India specifically, the country crossed the 240-million mark in Facebook users in 2017, overtaking the United States as the largest Facebook audience (Livemint, 2017). For working-class consumers, who may lack access to premium information sources, social media platforms serve as democratized repositories of product knowledge, price intelligence, and social proof—

enabling more informed, confident, and risk-mitigated purchasing decisions than were previously possible within this segment's informational reach.

1.3A Social Media Users in India: Statistical Overview

India's social media landscape has undergone remarkable transformation over the past decade, propelled by the widespread adoption of affordable smartphones and the rollout of low-cost mobile data. The following section presents key statistics from Statista, DataReportal, and allied research agencies, providing a comprehensive quantitative picture of the Indian social media ecosystem as it pertains to this study.

Table 1.2(1.3A): Key Social Media & Digital Advertising Statistics — India

Metric	Value	Year	Source
Total Social Media Users	616 Million+	2025	DataReportal/Statista
Internet Users	800+ Million	2025	Statista
Facebook Users	677 Million	Dec 2025	NapoleonCat
YouTube Users	500 Million	2025	GrabOn
Instagram Users	508 Million	Dec 2025	NapoleonCat
WhatsApp Users	535 Million	2025	GrabOn
LinkedIn Users	169 Million	Dec 2025	NapoleonCat
Social Media Ad Revenue	USD 1.76 Billion	2025	Statista
Digital Ad Spend (Total)	USD 5.82 Billion	2024	Meltwater
Social Media Ad Spend	₹145 Billion	2024	Statista
Influencer Mktg Spend	USD 290 Million	2024	Meltwater
Mobile Internet Users	1.12 Billion Connections	2024	DataReportal

Sources: Statista, DataReportal (Digital 2024 India), NapoleonCat, Meltwater, GrabOn; compiled by the author.

1.3A.1 Growth Trajectory of Social Media Users in India

India's social media user base has grown consistently year-on-year, driven by the expansion of mobile internet access and the affordability of data plans following the entry of Reliance Jio in 2016. As of 2025, India is home to over 616 million active social media users (DataReportal/Statista), making it the second-largest social media market globally after China. The growth rate from 2024 to early 2026 stood at 5.23%, significantly outpacing the global average decline of 0.81% during the same period (GrabOn/DataReportal, 2026).

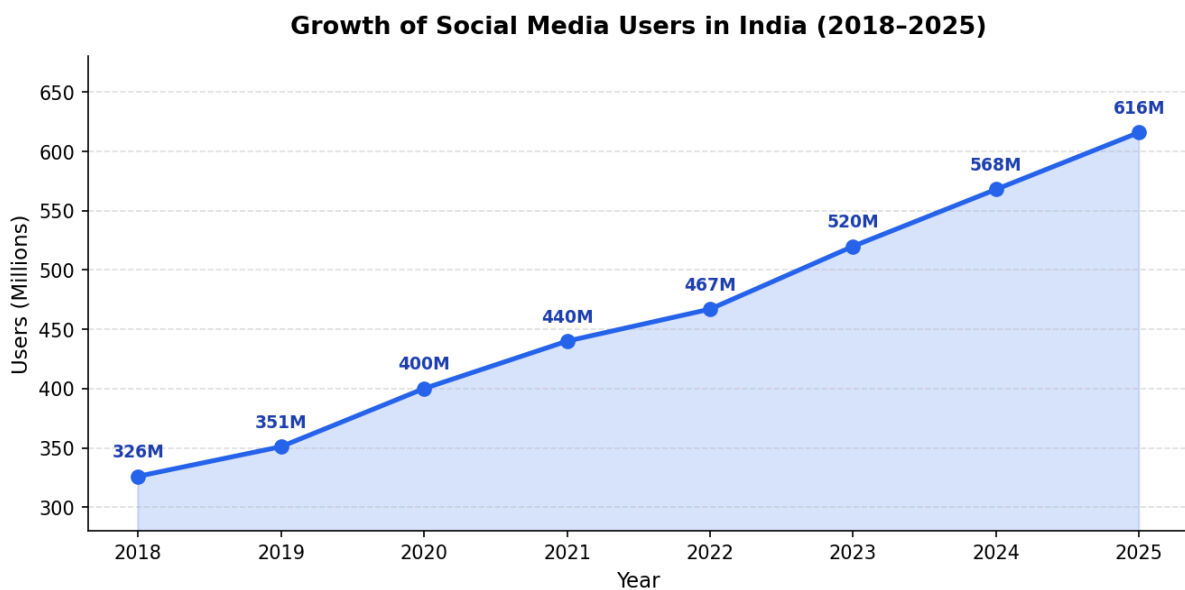


Figure 1.1: Growth of Social Media Users in India, 2018–2025 (in Millions) Sources: DataReportal Digital Reports 2018–2025; Statista Social Media Usage India

The chart above illustrates the steady upward trajectory of Indian social media usage. Starting from approximately 326 million users in 2018, the user base crossed the 500-million mark by 2022 and is projected to reach 1.13 billion by 2030 (Statista Market Forecast). This growth is particularly significant for the present study, as it underscores the vastly expanded reach of social media advertising among working-class consumers who increasingly form part of this growing user base.

1.3A.2 Platform-wise User Distribution in India (2025)

India's social media landscape is characterised by a diverse multi-platform ecosystem. WhatsApp remains the most widely used messaging-social platform with 535 million users (GrabOn, 2025), followed by YouTube with 500 million users and Instagram with 481 million users. Facebook, despite global maturation, commands 403 million Indian users (NapoleonCat, December 2025), while LinkedIn has grown rapidly to 169 million users. The dominance of mobile-first platforms—WhatsApp, YouTube, and Instagram—confirms the centrality of smartphone-based media consumption for Indian consumers, including the working-class segment under study.

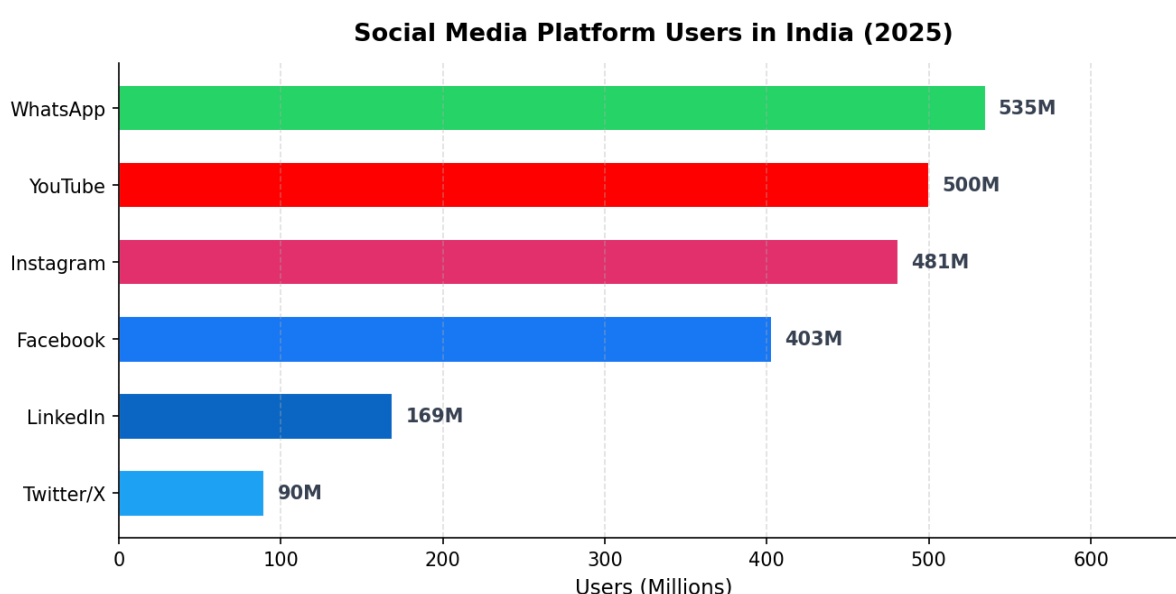


Figure 1.2: Platform-wise Social Media Users in India (2025, in Millions) Sources: GrabOn Tech Statistics 2026; NapoleonCat India Social Media Statistics December 2025

Among the 18–24 age cohort, Instagram is the leading platform with approximately 197 million users, while the 25–34 group—representing the core working-age demographic—constitutes the largest user group on Facebook (254 million users). Men account for approximately 70% of social media users across major platforms in India, reflecting persistent digital gender gaps (NapoleonCat, 2025).

1.3A.3 Age-wise Distribution of Social Media Users

Social media usage in India is predominantly concentrated among young and early middle-aged adults. The 25–34 age group represents the single largest cohort, accounting for approximately 33% of all social media users, followed by the 18–24 group at 28%. The 35–44 segment contributes a further 18%, collectively confirming that over 79% of Indian social media users fall within the 18–44 age bracket. This demographic profile closely aligns with the working-class consumer segment studied in this thesis, which predominantly comprises individuals in the 22–45 age range engaged in service employment and small businesses

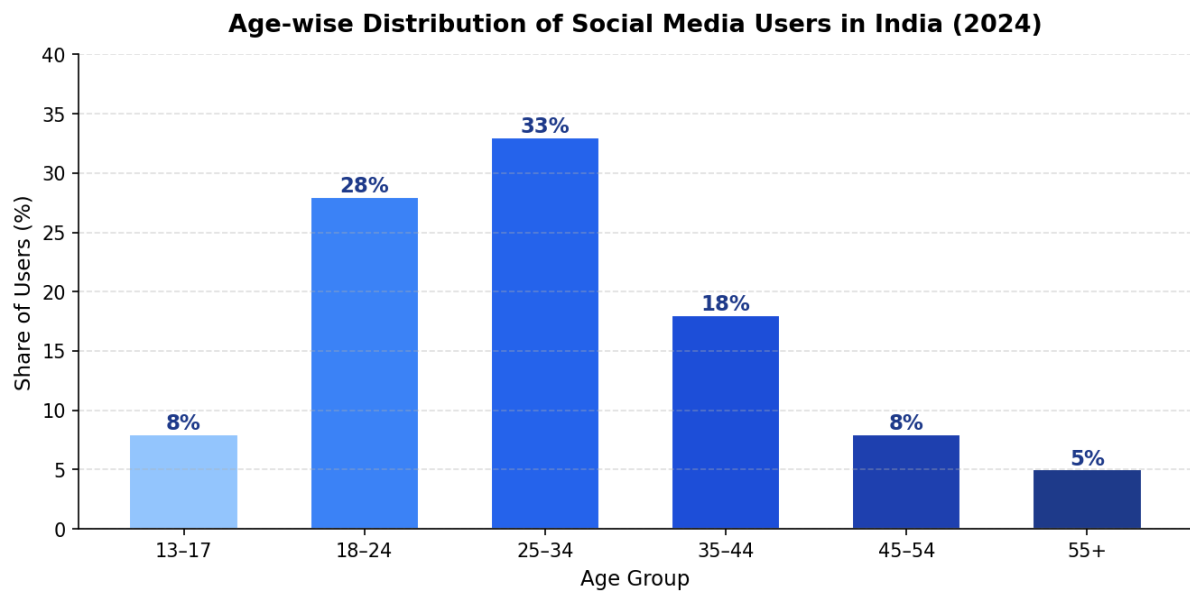


Figure 1.3: Age-wise Distribution of Social Media Users in India (2024, % Share) Sources: NapoleonCat India Statistics 2025; DataReportal Digital 2024 India

1.3B Social Media Advertising in India: Market Overview

The social media advertising market in India has emerged as one of the fastest-growing digital advertising segments in the Asia-Pacific region. Fuelled by the convergence of a massive and growing social media user base, increasing smartphone penetration, and a maturing digital payments ecosystem, brands have rapidly shifted their advertising investments toward social media platforms. The following sub-sections present the key market indicators, expenditure patterns, and growth projections for social media advertising in India.

1.3B.1 Social Media Advertising Revenue

According to Statista's Market Forecast, social media advertising revenue in India is projected to reach USD 1.76 billion in 2025, up from USD 0.72 billion in 2020—representing a compounded annual growth of approximately 19.6% over five years. The dominant advertising format is mobile, with 83.4% of total social media ad spending anticipated to be generated through mobile devices by 2030, reflecting the mobile-first digital behaviour of Indian consumers.

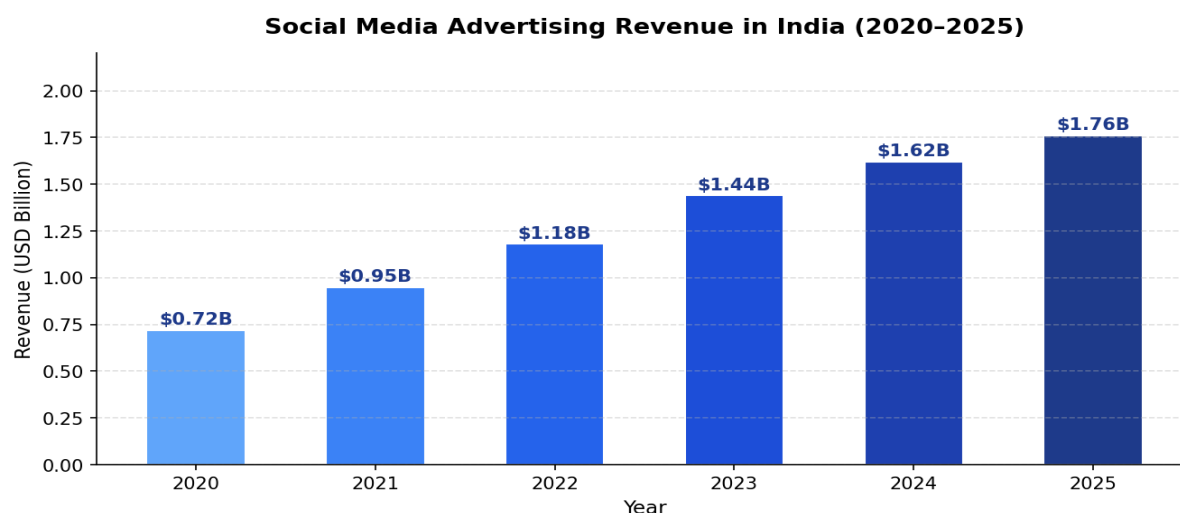


Figure 1.4: Social Media Advertising Revenue in India (2020–2025, USD Billion) Source: Statista Market Forecast — Social Media Advertising India (2025)

In the broader context of total digital advertising, India's digital ad market generated revenue of approximately USD 13.6 billion in 2024, with a CAGR of 15.3% projected from 2025 to 2030, expected to reach USD 32.3 billion by 2030 (Grand View Research, 2025). Social media advertising constitutes the leading format within this digital expenditure landscape.

1.3B.2 Digital Ad Spend by Format

Social media advertising has firmly established itself as the dominant digital advertising format in India. According to Statista data compiled from Slideshare (February 2025), social media advertising accounted for nearly ₹145 billion of India's total digital advertising expenditure of over ₹400 billion in 2024, making it the single largest digital ad format, ahead of online video (₹112 billion) and search/display formats. This is closely followed by online video, which contributed 28% of ad spending—reflecting the enormous popularity of YouTube and short-form video content on Instagram Reels among Indian consumers.

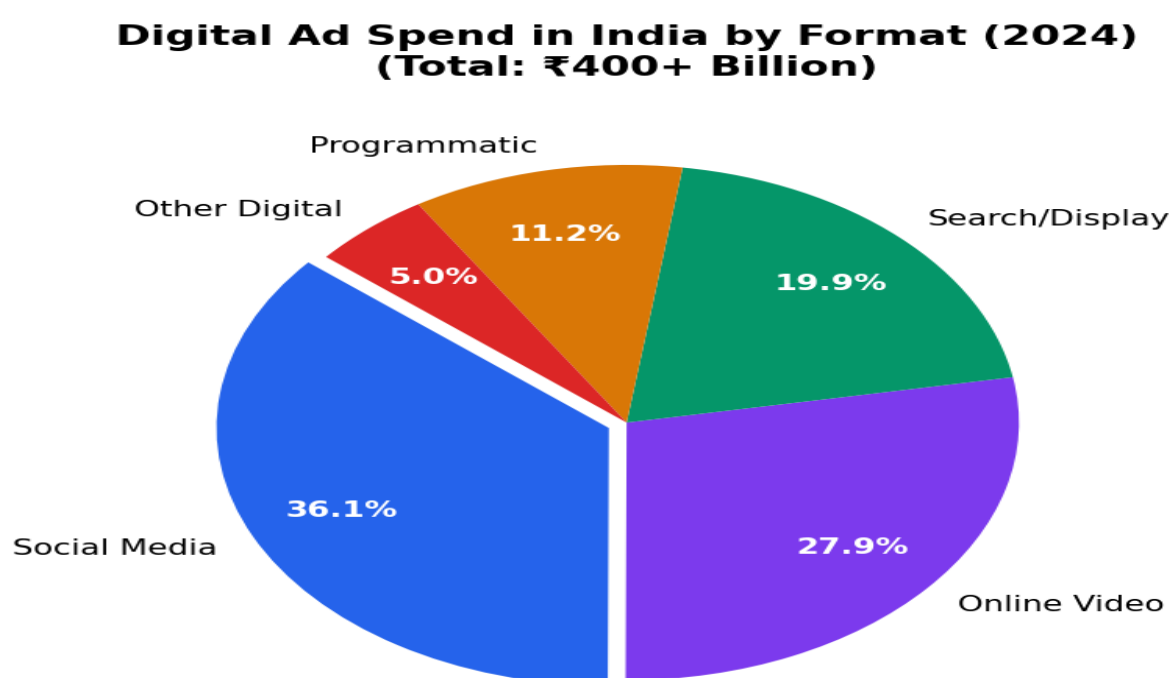


Figure 1.5: Distribution of Digital Advertising Spend in India by Format (2024) Sources: Statista / Slideshare, Digital Advertising Spending India 2024 by Format

Within social media advertising itself, Facebook remains the primary ad channel by spend in India (Sensor Tower, H1 2025), followed by Instagram and YouTube. The Shopping category leads all advertising verticals with a 30% share of digital ad spend, driven by major e-commerce players such as Flipkart and Amazon. Political advertising on social media has also intensified, with the 2024 general elections prompting record levels of investment in social media campaign spending.

1.4 CONCEPT OF SOCIAL MEDIA ADVERTISING

For the purposes of this thesis, social media advertising is understood as the purposive utilisation of social networking environments — platforms such as Facebook, Instagram, YouTube, and WhatsApp that are integral to the daily digital lives of working-class Gujarati consumers — to communicate commercial messages, stimulate product interest, and ultimately influence purchase decisions. This encompasses both formally commissioned paid placements and the organically circulating consumer-generated content that amplifies commercial reach without proportionate financial outlay.

1.4.1 Interactivity

One of the most defining features of social media advertising is its inherently interactive character. Consumers are no longer relegated to the role of passive recipients; instead, they actively participate by liking, commenting, sharing, reacting to, or producing content related to brands. This interactive environment transforms advertising into a social experience wherein opinions, reviews, and emotional responses are openly exchanged, co-constructed, and collectively validated—intensifying message involvement, strengthening memory encoding and recall, and enhancing the quality of consumer–brand relationships (Mangold & Faulds, 2009).

1.4.2 Personalization

A further core characteristic is the sophisticated degree of personalization achievable through social media advertising. Platforms employ advanced algorithms and granular user data—encompassing age, expressed interests, browsing behaviour, and prior purchasing patterns—to deliver advertisements of exceptional relevance to individual users. For working-class consumers, personalized advertising ensures exposure to products congruent with their income levels, practical needs, and everyday consumption patterns, thereby markedly increasing the perceived usefulness and effectiveness of the advertising encounter. (Lambrecht & Tucker, 2013; Dehghani & Tumer, 2015) (Lambrecht & Tucker, 2013; Dehghani & Tumer, 2015)

1.4.3 Two-Way Communication

Two-way communication constitutes another defining and strategically significant feature of social media advertising. Brands can engage directly with consumers through replies, private messages, polls, and feedback mechanisms, while consumers retain the capacity to raise queries, articulate dissatisfaction, or express appreciation instantaneously. This dialogic exchange builds organizational trust, enhances corporate transparency, and improves perceived service quality—outcomes of particular value for working-class consumers whose purchase confidence is heavily contingent upon perceived brand trustworthiness. (Brodie, Ilic, Juric, & Hollebeek, 2011; Mangold & Faulds, 2009)

1.4.4 Influencer Marketing

Influencer marketing occupies a strategically central role within the broader social media advertising ecosystem. Influencers—individuals who have cultivated substantial, loyal followings through consistent, domain-specific content creation—are perceived by their audiences as knowledgeable, authentic, and trustworthy. Their product recommendations are frequently accorded greater credibility than conventional celebrity endorsements or corporate advertising claims, precisely because they are embedded within pre-existing relationships of trust and social identification. For working-class consumers, influencers function as accessible opinion leaders who simplify the product evaluation process and substantially reduce perceived purchase risk. (Golan & Zaidner, 2008; Ashley & Tuten, 2015)

1.4.5 User-Generated Content

User-generated content (UGC)—encompassing customer reviews, testimonials, unboxing videos, and personal brand experiences voluntarily shared by consumers—constitutes a powerful and persuasive form of social media advertising. UGC derives its persuasive potency from the fact that it reflects authentic usage experiences rather than commercially motivated promotional claims, generating social proof, enhancing brand authenticity, and exerting significant influence upon purchase intention (Kozinets et al., 2010).

1.4.6 Advertising Formats

Social media advertising manifests in a diverse array of formats: sponsored posts, story advertisements, reels and short-form video content, long-form product demonstrations, influencer endorsements, and retargeting advertisements. The strategic orchestration of these diverse formats—each serving distinct communicative functions within the consumer decision-making journey—positions social media advertising as a comprehensive, multidimensional, and powerfully consumer-centric promotional tool within the modern digital marketplace.

1.5 UNDERSTANDING WORKING-CLASS CONSUMERS

Working-class consumers represent a demographically substantial and economically significant segment whose consumption behaviour is systematically shaped by limited disposable income, occupational structure, and pragmatic lifestyle requirements. This segment generally encompasses individuals engaged in semi-skilled, skilled, and lower-level service occupations—including factory workers, drivers, shop assistants, sales personnel, security guards, and analogous roles—whose livelihoods are characterized by relatively fixed monthly earnings and constrained financial flexibility. Their purchasing decisions are predominantly need-based rather than luxury-oriented, and they exhibit a strong preference for products that offer demonstrable functional benefits, durability, and everyday utility. (Kotler & Keller, 2016; Schiffman & Wisenblit, 2019)

1.5.1 Income Constraint and Value Consciousness

Among the working-class consumers surveyed in this study, financial prudence is not merely a behavioural tendency — it is a structural necessity imposed by income ceilings and limited financial buffers. Unlike discretionary consumers who can afford to experiment with products based on advertising appeal alone, this segment subjects every prospective purchase to a rigorous internal evaluation: Does this product justify its price? Does this advertisement communicate genuine value? Does the brand's social media presence inspire sufficient confidence? These questions — rarely foregrounded in mainstream advertising research — are the defining operational reality of working-class consumer decision-making in Gujarat's digital marketplace.

1.5.2 Mobile Dependency and Digital Platform Usage

Working-class consumers also exhibit a pronounced dependency on mobile phones and social media platforms as the primary instruments for product discovery and pre-purchase information gathering. The widespread availability of low-cost smartphones and affordable internet data plans has rendered social media the predominant source of advertising exposure for this consumer group. Platforms such as YouTube, Facebook, Instagram, and WhatsApp

are routinely consulted for product demonstrations, promotional content, price comparisons, and feature clarifications.

1.5.3 Peer Validation and Social Proof

A further prominent behavioural characteristic of working-class consumers is their strong reliance on peer opinions, online reviews, and the social proof mechanisms embedded within social media environments. Rather than extending unconditional trust to brand-generated advertising messages, these consumers habitually seek confirmation and validation from friends, family members, workplace colleagues, and online communities before finalizing purchase decisions. Reviews, testimonials, influencer recommendations, and user-generated content exert a powerful influence upon their perceptions of product trustworthiness and brand reliability (Kozinets et al., 2010).

1.6 BUYING BEHAVIOUR IN THE DIGITAL ERA

Buying behaviour refers to the complete decision-making process that consumers undertake in the course of selecting, purchasing, using, and evaluating products or services—encompassing need recognition, information search, evaluation of alternatives, purchase decision execution, and post-purchase assessment. In the digital era, this inherently complex process has become simultaneously more dynamic, continuous, and technologically mediated. Consumers no longer rely exclusively upon personal experience or traditional advertising stimuli; instead, they actively search for information across digital platforms, compare competing options instantaneously, and seek social validation through their digital networks prior to committing to a purchase.

1.6.1 The AIDA Model in the Digital Context

The classical AIDA model—which tracks consumer progression from Attention through Interest and Desire to Action—retains analytical utility within the digital marketing context, albeit with important modifications necessitated by the interactive and socially embedded nature of social media environments. The Attention stage is operationalized through sponsored posts, reels, and story advertisements. For working-class consumers, Interest is typically activated by price transparency and clear articulation of functional benefits. Desire is cultivated principally through social proof mechanisms—the accumulation of likes, positive comments, and peer shares (Baltes, 2015). Action is increasingly facilitated by integrated shopping functionalities embedded within social media platforms, shortening the transactional journey.

1.6.2 The Technology Acceptance Model (TAM)

Davis's (1989) Technology Acceptance Model contributes a useful explanatory lens for the present investigation. Within this framework's logic, a working-class consumer's willingness to engage meaningfully with social media advertising is driven primarily by functional evaluation — the degree to which the advertisement is perceived to deliver concrete, practical benefit. When a social media advertisement helps a cost-sensitive consumer locate an affordable product, compare competing options, or access a time-limited offer, the technology embedded in that advertising encounter is accepted, used, and valued.

1.6.3 The Shift to Information-Driven and Influence-Driven Purchasing

Traditionally, purchasing behaviour was predominantly need-based, governed by necessity and product availability. In the contemporary digital environment, buying behaviour has undergone a qualitative transformation—becoming fundamentally information-driven and influence-driven. Consumers are continuously exposed to product recommendations, influencer-generated content, comparison videos, flash sales, and retargeted advertisements throughout their social media consumption. For working-class consumers, access to detailed, comparatively evaluated product information substantively reduces purchasing uncertainty and enhances decisional confidence—outcomes of considerable value for a segment that bears a disproportionate cost from suboptimal purchasing decisions.

1.7 RELATIONSHIP BETWEEN SOCIAL MEDIA ADVERTISING AND BUYING BEHAVIOUR

The relationship between social media advertising and consumer buying behaviour is complex, multidimensional, and cannot be adequately explained by the metric of advertising exposure alone. A considerable proportion of consumers scroll past advertisements without meaningfully processing their content, particularly when such content is perceived as irrelevant, excessively promotional, or lacking credibility. This empirical reality underscores that the effectiveness of social media advertising is determined not by the frequency with which an advertisement is encountered, but by the quality, relevance, and trustworthiness of the advertising encounter as subjectively evaluated by the consumer.

1.7.1 Perceived Advertising Value

A critical mediating factor in the conversion of advertising exposure into purchasing behaviour is perceived advertising value. Consumers demonstrate a significantly greater propensity to respond positively to advertisements that they perceive as informative, entertaining, and personally useful. For working-class consumers—whose value consciousness constitutes a dominant determinant of decision-making—perceived advertising value exerts a central influence upon purchase intention, with a strong preference for content that directly and transparently addresses concerns of price competitiveness, product quality, and functional utility (Dehghani & Tumer, 2015).

1.7.2 Trustworthiness of Source

The trustworthiness of the advertising source constitutes another essential determinant of the relationship between social media advertising and buying behaviour. Advertisements endorsed or disseminated by trusted influencers, social peers, or established brands command substantially greater persuasive authority than anonymous or purely corporate communications. For working-class consumers, who bear a disproportionate economic cost from poor purchasing decisions due to limited financial buffers, source trustworthiness functions as a critical psychological prerequisite for purchase commitment.

1.7.3 Content Quality and Relevance

Content quality and contextual relevance further determine the efficacy of social media advertising. High-quality advertising content that is visually compelling, linguistically accessible, and substantively aligned with consumer needs is substantially more effective in capturing attention, stimulating interest, and motivating desire. Conversely, poorly conceived, misleading, or contextually irrelevant content not only fails to persuade but actively engenders negative brand perceptions.

1.7.4 Multi-Platform Exposure and Brand Recall

Consistent multi-platform exposure significantly enhances brand recall and cognitive accessibility. When consumers encounter the same brand across diverse platforms—including Instagram, Facebook, YouTube, and WhatsApp—the brand achieves a heightened degree of mental salience and associative familiarity. This repeated, cross-platform exposure strengthens memory encoding, reinforces brand credibility, and reduces the cognitive uncertainty that typically attenuates purchase commitment (Stephen, 2016). The influence of social media advertising on buying behaviour is consequently most potent when advertising exposure is complemented by high perceived value, credible and trusted sources, contextually relevant content, and a consistent brand presence.

1.8 SIGNIFICANCE OF THE STUDY

1.8.1 Practical Significance for Marketers

The present study carries substantial practical significance for marketing practitioners who seek to effectively reach and engage the working-class consumer segment through social media platforms. The empirical findings will furnish marketers with actionable intelligence regarding which specific elements of social media advertising—particularly perceived advertising value, source trustworthiness, and content relevance—actually translate into measurable influence upon buying behaviour. This evidence base will enable the design of cost-effective, precisely targeted, and performance-oriented digital campaigns that maximize persuasive impact whilst minimizing promotional expenditure.

1.8.2 Policy and Platform Implications

The study also offers substantive implications for policymakers and digital platform developers. Insights into the manner in which working-class consumers perceive and respond to social media advertising can inform the formulation of consumer protection policies, advertising transparency standards, and ethical regulatory frameworks governing digital commercial communication. Digital platform operators can leverage these findings to refine algorithmic advertising delivery, improve content quality filtering, and cultivate advertising environments that are equitable, transparent, and conducive to the interests of economically sensitive consumer segments.

1.8.3 Academic and Theoretical Contributions

From an academic perspective, this research contributes meaningful theoretical value to the intersecting literatures on consumer behaviour, digital marketing, and socioeconomic dimensions of advertising effectiveness. By integrating exposure, perceived advertising value, trustworthiness, and buying behaviour within a single, coherent empirical framework, the study extends existing theories that have historically examined these variables in isolation. It addresses a significant gap by directing sustained analytical attention toward working-class consumers in the Indian context, thereby enriching understanding of how socioeconomic factors mediate the influence of digital advertising on purchasing behaviour.

1.9 SCOPE AND DELIMITATIONS OF THE STUDY

1.9.1 Scope

The present study focuses on working-class social media users residing in Gujarat, India. The study examines the impact and effectiveness of social media advertising across major platforms—Facebook, Instagram, YouTube, and WhatsApp—on the buying behaviour of this segment. The scope encompasses both quantitative descriptive analysis and inferential hypothesis testing across five research objectives, covering key constructs of Advertising Exposure, Perceived Advertising Value, Trustworthiness, and Buying Behaviour. The study employs a cross-sectional survey design with a final sample of 754 valid respondents.

1.9.2 Delimitations

- **Geographic Delimitation:** The study is confined to the state of Gujarat, India. Findings may not be directly generalizable to other Indian states or international markets with different socioeconomic and cultural profiles.
- **Temporal Delimitation:** The study employs a cross-sectional design, capturing responses at a single point in time. Longitudinal changes in advertising effectiveness and consumer behaviour are beyond the scope of this investigation.
- **Demographic Delimitation:** The study specifically targets working-class consumers, operationalized as individuals with annual household incomes primarily in the range of up to ₹10 lakhs, engaged in service, business, or self-employed occupations.
- **Platform Delimitation:** While the study examines social media advertising effects broadly, it does not disaggregate findings by individual social media platforms. Platform-specific differences in advertising format and user engagement are not individually analyzed.
- **Methodological Delimitation:** The study relies upon self-reported questionnaire data. Objective purchase transaction data and behavioural tracking data are beyond the scope of the present investigation.

1.10. OPERATIONAL DEFINITIONS OF KEY TERMS

The following operational definitions are adopted for the purpose of this study. These definitions delineate the precise meaning and scope of each core construct as employed within the conceptual framework and measurement instrument.

Table 1.3: Operational Definitions of Key Constructs

Term	Operational Definition	Measurement
Social Media Advertising	The strategic deployment of social networking platforms—including Facebook, Instagram, YouTube, WhatsApp, and Twitter—to promote products and services through paid placements and organic content, characterized by interactivity, personalization, and real-time engagement.	Exposure frequency; platform count; engagement behaviours
Advertising Exposure	The frequency and extent to which working-class consumers encounter social media advertisements, operationalized through time spent on social media per day and the number of social media platforms actively used.	4-category time variable; 4-category platform count variable
Perceived Advertising Value	Consumers' subjective evaluation of the overall worth and utility of social media advertisements, encompassing informativeness (SM2), entertainment (SM1), credibility (SM3), and irritation (SM4, reverse-coded).	Multi-item Likert scale (1–5); adapted from Ducoffe (1996)
Trustworthiness	The extent to which consumers perceive social media advertisements and the brands they promote as credible, honest, and reliable, encompassing trust in platform information (F3 Trust) and community-based validation (F1 Community, F2 Dependence).	Multi-item Likert scale (1–5); adapted from Gefen et al. (2003); Hajli (2014)
Buying Behaviour	Consumers' purchase-related decisions and actions influenced by social media advertising, including purchase intention (SM5), brand preference, and actual buying decisions (PV Purchase Value).	Multi-item Likert scale (1–5); adapted from Ajzen (1991); Brodie et al. (2011)
Working-Class Consumers	Individuals residing in Gujarat engaged primarily in service employment, small business ownership, or self-employment, with annual household incomes predominantly in the range of up to ₹10 lakhs, who actively use at least one social media platform.	Demographic screening in questionnaire Section A
Social Media Usage	The pattern of social media platform engagement, operationalized through frequency of use (daily to never), number of platforms used (1 to more than 3), and time spent per day (15 minutes to more than 2 hours).	Questionnaire Section B — four categorical response items
Perceived Value (PV)	A composite five-item scale measuring the overall value perception of social media advertising encounters, computed as the mean score across five value-related items covering product comparison, quality assessment, and purchase satisfaction.	5-item composite; mean score; range 1.00–4.33

Note: All multi-item constructs employ a five-point Likert scale: 1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly Agree. SM4 Irritation is reverse-coded.

1.11 ORGANISATION OF THE THESIS

The present thesis is organized into five chapters, each serving a distinct and sequential function within the overall architecture of the research. The chapter scheme reflects the logical progression of the inquiry from theoretical grounding through empirical analysis to conclusions and recommendations.

Table 1.4: Organisation and Chapter Scheme of the Thesis

Chapter	Title	Content Summary
Chapter 1	Introduction	Establishes the background and context of the study; presents the evolution of social media advertising and the working-class consumer profile; identifies the research gap; states the research problem, objectives, and hypotheses; defines key terms; and presents the thesis organisation.
Chapter 2	Systematic Review of Literature	Presents a comprehensive PRISMA-aligned review of 75+ studies spanning 1975–2025 on social media advertising and consumer buying behaviour. Organized thematically around the four core constructs: Advertising Exposure, Perceived Value, Trustworthiness, and Buying Behaviour. Concludes by identifying eight significant research gaps justifying the present study.
Chapter 3	Research Methodology	Details the research design, target population (Gujarat working-class social media users), sampling technique (non-probability convenience sampling), sample size determination (Cochran's formula; $n = 385$ minimum; $n = 754$ achieved), measurement scales, pilot study, reliability and validity analysis (Cronbach's Alpha, CR, AVE, Fornell-Larcker), and data analysis techniques (non-parametric methods).
Chapter 4	Data Analysis and Interpretation	Presents comprehensive descriptive and inferential analysis of the primary data from $n = 754$ respondents. Includes demographic profiling, social media usage pattern analysis, construct-level frequency analysis with 17 embedded charts, normality testing, and hypothesis testing results for all 11 null hypotheses across 5 objectives using Chi-Square, Spearman correlation, mediation analysis, moderation analysis, Kruskal-Wallis H, and Mann-Whitney U tests.
Chapter 5	Discussion, Conclusions and Implications	Synthesizes and interprets empirical findings in light of the theoretical framework and existing literature. Presents five theoretical contributions, seven managerial implications, an integrated summary table, seven study limitations, eight directions for future research, and comprehensive conclusions affirming the study's empirical and practical significance.

Note: The thesis also includes Preliminary Pages (Title Page, Declaration, Certificate, Acknowledgements, Abstract, Table of Contents, List of Tables, List of Figures, List of Abbreviations), a consolidated Bibliography, and Appendices (Questionnaire, SPSS Outputs, Reliability Report).

The five chapters collectively form an integrated, theoretically grounded, and empirically rigorous investigation of the impact and effectiveness of social media advertising on the buying behaviour of working-class consumers in Gujarat, India. The thesis contributes both to the theoretical advancement of digital marketing scholarship and to the practical improvement of advertising strategy and policy in one of the world's most dynamic and consequential emerging consumer markets.

◆ *Bridge: Chapter 1 → Chapter 2* ◆

Chapter 1 established that social media advertising has emerged as a transformative force in the contemporary marketplace, and identified a critical research gap: the near-total absence of empirically validated, segment-specific inquiry into how working-class consumers in India perceive, process, and respond to social media advertising. It articulated five research objectives and eleven null hypotheses that define the scope and ambitions of the present investigation. Before these hypotheses can be tested empirically, however, it is essential to understand what existing scholarship has already established — and, more importantly, what it has left unanswered. Chapter 2 responds to this need by presenting a systematic and comprehensive review of the literature spanning more than five decades of research on social media advertising, consumer attitude formation, perceived advertising value, trustworthiness, and buying behaviour. Drawing on over 75 peer-reviewed studies organized within a PRISMA-aligned review protocol, the chapter traces the chronological evolution of the field, maps the core theoretical constructs underpinning the study's conceptual framework, and identifies the eight specific research gaps that the present empirical investigation is designed to address. The theoretical foundations laid in this chapter directly inform the research design and measurement instruments developed in Chapter 3.

CHAPTER 2

SYSTEMATIC REVIEW OF LITERATURE

“The consumer is not a moron; she is your wife. You insult her intelligence if you assume that a mere slogan and a few vapid adjectives will persuade her to buy anything.”

— David Ogilvy, *Confessions of an Advertising Man* (1963)

Chapter Outline

Section	Title	Content Description
2.1	Introduction	Overview of the literature review structure, thematic organization, and relevance to the conceptual framework.
2.2	Review Protocol and Scope	PRISMA-aligned review framework; inclusion/exclusion criteria; disciplinary scope (marketing, communication, consumer psychology); coverage 1991–2025.
2.3	Evolution of Social Media Advertising	Historical progression across four phases: Early Foundations (1991–2005); Social Interaction & Content Sharing (2006–2009); Expansion & Strategic Importance (2010–2013); Maturity & Advertising Effectiveness (2014–2017).
2.4	Core Theoretical Constructs and Empirical Evidence	Four-construct review: (i) SM Advertising Exposure — Mangold & Faulds (2009), Logan et al. (2012), Yadav & Rahman (2017); (ii) Perceived Advertising Value — Ducoffe (1996), Kotler & Keller (2016), Schiffman & Wisenblit (2019); (iii) Trustworthiness; (iv) Consumer Buying Behaviour.
2.5	Factors Affecting Consumer Attitude Toward SM Advertising	Eight key factors: Informativeness, Entertainment, Irritation, Credibility, Personalization, Social Influence, Perceived Value, Trust. Supported by Table 2.1.
2.6	Technology Acceptance Model (TAM)	Application of TAM (Davis, 1989) to social media advertising; integration with TRA (Fishbein & Ajzen, 1975); Hajli (2013, 2014) extensions.
2.7	Synthesis of Key Factors	Integrated thematic synthesis of determinants of consumer attitude toward social media advertising.
2.8	Impact of Consumer Attitude on Behavioural Intentions	Attitude → Purchase Intention pathway; mediating role of eWOM (Erkan & Evans, 2016); website visit behaviour and purchase outcomes.
2.9	PRISMA-Based Systematic Review (2014–2024)	Recent empirical evidence; cross-national studies; meta-analytic insights into advertising effectiveness.
2.10	Growth of SNS and Indian Context	India-specific social media growth trajectory; working-class digital access; platform dominance patterns.
2.11	Research Gaps and Justification	Eight identified gaps: class bias, integrated models, mediation/moderation, trustworthiness, methodology, platform scope, advertising appeals, India-specific context.
2.12	Conceptual Framework	Proposed model with IV (Advertising Exposure), Mediator (Perceived Value), Moderator/Predictor (Trustworthiness), DV (Buying Behaviour); eleven hypotheses.
2.13	Chapter Summary	Synthesis of literature review findings and transition to research odology.

2.1 INTRODUCTION

The rapid proliferation of social media platforms has fundamentally transformed the landscape of advertising and consumer behaviour research over the past two decades. Social media advertising—encompassing paid, earned, and owned content disseminated through platforms such as Facebook, Instagram, YouTube, and Twitter—has emerged as a dominant mode of brand communication, offering unprecedented reach, interactivity, and targeting capabilities. As businesses increasingly allocate substantial marketing budgets to social media channels, the academic community has correspondingly intensified its scrutiny of the mechanisms through which such advertising shapes consumer perceptions, attitudes, and purchase decisions.

This chapter presents a comprehensive and systematic review of the existing literature on social media advertising and its impact on consumer buying behaviour. The review is organized in accordance with the core theoretical constructs of the present study: Social Media Advertising Exposure, Perceived Advertising Value, Trustworthiness, and Buying Behaviour. It further examines the factors influencing consumers' attitude toward social media advertising—including the Technology Acceptance Model (TAM)—and the mediating role of electronic word-of-mouth (eWOM) and website visits in translating attitudes into purchase intentions. The chapter concludes by identifying significant research gaps that justify the need for the present empirical investigation.

2.2 REVIEW PROTOCOL AND SCOPE

The present systematic review consolidates both empirical and conceptual research examining the influence of social media advertising on consumer buying behaviour, with particular emphasis on the working-class segment. A structured review protocol was adopted, incorporating stages of identification, screening, eligibility evaluation, and thematic synthesis of peer-reviewed studies in line with the PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) framework (Bains & Kalsi, 2025).

The reviewed literature spans interdisciplinary domains, including marketing, communication, and consumer psychology, and covers major social media platforms such as Facebook, Instagram, YouTube, and Twitter. Studies were selected based on their relevance to social media advertising, consumer behaviour, advertising effectiveness, trust, perceived value, and purchase outcomes. Both quantitative and qualitative studies were integrated to ensure methodological diversity and theoretical depth. The selected literature spans the period from the early 1990s—when foundational digital communication concepts first emerged—through to 2025, encompassing the most recent empirical developments in the field.

The reviewed literature is systematically organized around four core variables of the conceptual framework: (i) Social Media Advertising Exposure, (ii) Perceived Advertising Value, (iii) Trustworthiness, and (iv) Buying Behaviour. This thematic classification strengthens the coherence between theoretical constructs, prior findings, and the proposed research model.

2.3 EVOLUTION OF SOCIAL MEDIA ADVERTISING: A HISTORICAL PERSPECTIVE

The evolution of social media advertising is closely linked with the advancement of the internet and the emergence of Web 2.0 technologies, which significantly enhanced connectivity and interaction between consumers and businesses. Over time, researchers have explored how this transformation has reshaped marketing practices and consumer engagement. Belch et al. (2013) highlighted that social media is transforming the way marketing takes place using Web 2.0, wherein customers are engaged in generating the marketing content.

2.3.1 Early Foundations (1991–2005)

The earliest insights into digital marketing can be traced to Hastings and Haywood (1991), who emphasized the participatory advantage of emerging digital platforms. Their study suggested that such technologies enable customers to actively engage in the creative process, thereby becoming co-creators of marketing content—a concept that would become central to contemporary social media marketing.

Ridings and Gefen (2004) subsequently asserted that online communities facilitate organizations to have an improved customer relationship management (CRM) system, thereby improving business performance. Social media enables marketers to build public presence, strengthen communications, and allow consumers to create content, provide advice, exchange information, and generate social support. A clear understanding of the motivational aspects of users in virtual communities helps organizations to advertise via them or mine data to monitor these users more effectively. (Mangold & Faulds, 2009; Hanna, Rohm, & Crittenden, 2011)

Building on this foundation, Haugtvedt et al. (2005) revealed that consumers can now easily post their opinions, views, thoughts, and feelings about products and services online, visible to the public at large. This development facilitated a rapid flow of information that began playing a significant role in the marketing of products and services, marking a decisive shift from unidirectional to bidirectional marketing communication.

2.3.2 Emergence of Social Interaction and Content Sharing (2006–2009)

The growing importance of social media in shaping consumer behaviour was underscored by Matt (2006), who reported that the major factor driving the growth of social networking sites is their delivery of content and information that consumers cannot obtain by any other means. This peer-to-peer communication plays a crucial role in shaping brand perceptions and was identified as a significant opportunity for marketing practitioners.

Seltzer and Mitrook (2007) explained that the interactive and structural characteristics of social media promote active discussions between message posters and readers, thereby strengthening the relationship between marketers and their customers. Golan and Zaidner (2008) further noted that word-of-mouth circulation through social network platforms and emails had become very effective and efficient as online advertising distribution methods, with Consumer-to-Consumer (C2C) communication emerging alongside traditional Business-to-Consumer (B2C) models.

The landmark contribution of Mangold and Faulds (2009) established that social media has influenced consumer behaviour at all stages of the purchase decision-making process, from information gathering to post-buying behaviour. They strongly recommended that integrated marketing communication strategies should incorporate all forms of social media, as it provides consumer feedback for which marketers had previously struggled for years to access.

2.3.3 Expansion and Strategic Importance (2010–2013)

With increasing social media adoption, Aula (2010) observed that social networking sites such as Facebook, Twitter, and LinkedIn had become primary channels for advertisers aiming to reach a large audience in shorter timeframes. Dickey et al. (2010) highlighted social media as an important consumer resource through which individuals derive desired information alongside using it as a means for socializing, presenting enormous opportunities for building relationships between consumers and marketers.

Sinclair and Vogus (2011) explored various kinds of social media used by organizations and observed that consumers had actively shifted from being passive buyers to using platforms like MySpace, Facebook, Twitter, and YouTube to raise their feelings and opinions about brands. Akrimi and Khemakhem (2012) reported that online social networks have brought a significant transition in information flow, with marketers leveraging word-of-mouth to influence customers.

Kim and Ko (2012) demonstrated that social media marketing activities positively affect brand equity, relationship equity, and purchase intention by enabling interaction and information exchange. Gao et al. (2013) revealed that online advertising has become the most economical and effective way to reach large numbers of customers. Okazaki and Taylor (2013) proposed a conceptual framework understanding social media as a capable tool for international advertising through networking capability, image transferability, and personal extensibility.

2.3.4 Maturity and Advertising Effectiveness (2014–2017)

Abzari et al. (2014) empirically compared the impact of social media advertising and traditional advertising on consumers' attitudes and purchase intentions, finding that while both forms influence brand attitudes, social media advertising demonstrates stronger impact. Vishnoi and Padhy (2015) highlighted that advertising on social media platforms must be creative to engage customers, identifying quality content, appropriate hashtags, perfect timing, and meaningful connection with people as essential elements of successful campaigns.

Fuller et al. (2014) and Aichner and Jacob (2015) respectively emphasized the importance of co-creation tools for customer engagement and the need for systematic models to assess corporate social media usage. Kyriakopoulou and Kitsios (2017) concluded that as social media is able to influence customers' decision-making and purchase intentions, companies gain the opportunity to communicate virtually with users for promoting their products and services, potentially improving brand image and customer satisfaction.

Overall, the literature demonstrates a clear progression from early interactive communication concepts to highly sophisticated, engagement-driven advertising strategies. Social media has evolved into a powerful marketing tool that not only facilitates communication but also shapes consumer perceptions, attitudes, and buying behaviour. (Kim & Ko, 2012; Schivinski & Dabrowski, 2016)

2.4 CORE THEORETICAL CONSTRUCTS AND EMPIRICAL EVIDENCE

2.4.1 Social Media Advertising Exposure

In the present study, advertising exposure is operationalised as the cumulative pattern of contact between a working-class consumer and promotional content across social media environments. Three dimensions characterise this exposure: how frequently (daily, weekly, occasional), how deeply (passive scrolling versus active engagement), and how broadly (single-platform versus multi-platform encounters). The conceptual significance of social media exposure lies in its qualitative difference from traditional advertising contact — a television commercial competes for attention during a broadcast window, whereas a social media advertisement inhabits the same environment where a consumer pursues personal relationships, seeks product information, and forms opinions about brands.

Early foundational work by Mangold and Faulds (2009) highlighted the transformative role of social media as a hybrid promotional tool, combining elements of traditional advertising with interactive communication, enabling continuous engagement and user participation. Building on this perspective, Logan et al. (2012) demonstrated that repeated exposure to social media advertisements significantly enhances brand awareness and recall. Their findings suggest that frequent interaction with advertisements helps embed brand information in consumers' memory.

Cvijikj and Michahelles (2013) further explored the effectiveness of branded content on social networking sites, finding that higher exposure levels contribute to stronger brand positioning, particularly when content is engaging and interactive. Tuten and Solomon (2017) expanded the conceptual understanding of social media advertising by emphasizing its unique characteristics, including interactivity, real-time communication, and precise audience targeting, reinforcing the idea that social media exposure differs fundamentally from traditional advertising channels.

However, more recent studies present a nuanced perspective. Yadav and Rahman (2017) argued that excessive or irrelevant advertisement exposure may lead to ad fatigue and avoidance behaviour, indicating that frequency alone does not ensure effectiveness; rather, relevance and value play a critical role. From the standpoint of working-class consumers, existing literature suggests that social media exposure primarily functions as an informational tool, helping individuals stay informed about products, pricing, and promotional offers without necessarily triggering immediate purchase decisions. Therefore, exposure can be considered a necessary but insufficient factor in influencing buying behaviour (Bains & Kalsi, 2025).

2.4.2 Perceived Advertising Value

The concept of perceived advertising value has evolved as a central determinant of consumer response to advertising, particularly in digital environments. It reflects how consumers evaluate advertisements based on their usefulness, informativeness, and entertainment value.

Ducoffe's (1996) advertising value framework provides the primary theoretical anchor for the present study's treatment of consumer response to social media promotional content. The framework's enduring relevance lies in its three-component architecture: informativeness (the advertisement's capacity to deliver useful product knowledge), entertainment (its capacity to generate enjoyment and engagement), and irritation (its tendency to provoke annoyance or discomfort). When applied to working-class consumers — who, as this study's data reveal, rate informativeness highest ($M = 4.28$) and acknowledge irritation most acutely (particularly around privacy intrusion) — Ducoffe's model gains specific empirical texture that extends its original conceptualisation in an important direction.

Logan et al. (2012) provided empirical evidence demonstrating that advertisements offering relevant information and practical benefits are more effective than purely persuasive messages, emphasizing that value-driven content enhances consumer engagement and attitude formation. Kotler and Keller (2016) further highlighted that social media advertisements delivering tangible benefits—such as discounts, product demonstrations, and utility-based information—are perceived as more valuable, particularly in digital marketing contexts where consumers actively seek meaningful and actionable content.

More recent insights by Schiffman and Wisenblit (2019) indicated that perceived advertising value is strongly influenced by economic rationality, especially among price-sensitive segments. Their study revealed that advertisements emphasizing affordability, durability, and functional benefits significantly shape favourable attitudes and purchase intentions. From the perspective of working-class consumers, perceived advertising value is primarily driven by utility maximization, making it a key mediator between exposure and consumer attitude formation.

2.4.3 Trustworthiness in Social Media Advertising

Gefen et al.'s (2003) foundational trust-TAM integration is particularly instructive for the working-class consumer context that this thesis investigates. Their demonstration that trust, alongside perceived usefulness, conditions the conversion of digital exposure into commercial action has a heightened resonance for financially constrained consumers: when the financial cost of a poor purchasing decision is disproportionately high relative to available income, trust becomes not merely a preference variable but a necessary precondition for transactional commitment. This thesis's finding that Trustworthiness emerges as the strongest independent predictor of Purchase Intention ($\rho = 0.5969$, $p < .001$) directly corroborates and contextually extends Gefen et al.'s original proposition.

Research indicates that trust in social media advertising is influenced by peer recommendations, user-generated content, and corporate reputation. Wais and Clemons (2008) found that consumers trust messages shared by peers more than company-generated advertisements. Similarly, Clemons et al. (2009) emphasized the growing importance of peer influence in shaping consumer trust and decision-making, particularly among youth who give importance to the products of their own research and assign value to the recommendations of their peers. (Gefen, Karahanna, & Straub, 2003; Boateng & Okoe, 2015)

Corporate reputation also plays a significant role in building trust. Yoon et al. (1993) suggested that consumers are more likely to respond positively to advertisements from reputable companies. Sohn (2010) highlighted that intrusive advertisements and privacy concerns negatively affect trust and lead to advertisement avoidance. Cheung and Thadani (2012) emphasized the importance of electronic word-of-mouth (eWOM), demonstrating that user-generated reviews and peer recommendations significantly enhance credibility and reduce perceived risk.

2.4.4 Consumer Buying Behaviour and Advertising Effectiveness

Buying behaviour refers to consumers' actual purchase decisions or intentions influenced by advertising. The literature consistently shows that consumer attitude plays a central role in determining buying behaviour. According to the Theory of Reasoned Action (Fishbein & Ajzen, 1975), attitudes influence behavioural intentions, which in turn affect actual behaviour. Consumer buying behaviour represents the ultimate outcome of advertising effectiveness and reflects the extent to which marketing efforts translate into actual purchase decisions.

Wolin et al. (2002) found that positive attitudes toward online advertising lead to favourable behavioural responses, including purchase intentions. Brodie et al. (2011) were among the early researchers to establish a positive relationship between consumer engagement on social media and purchase intention, suggesting that interactive engagement enhances the likelihood of buying behaviour. Pasharibu et al. (2013) demonstrated that attitudes toward social media advertising positively influence brand recognition and purchase intentions.

Electronic word-of-mouth (eWOM) plays a significant role in translating attitudes into buying behaviour. Thureau (2004) explained that consumers rely on online reviews and peer recommendations before making purchase decisions. Erkan and Evans (2014) confirmed that eWOM significantly enhances purchase intentions by increasing trust and reducing perceived risk. Hajli (2014) further confirmed that social media advertising significantly influences purchase decisions, particularly when supported by trust and social interaction mechanisms.

Extending these insights, subsequent research has consistently shown that advertising effectiveness is not determined by exposure alone but by the integration of multiple factors: exposure creates awareness, perceived value shapes consumer attitudes, and trust reduces uncertainty. In the case of working-class consumers, buying behaviour is largely driven by rational considerations rather than emotional or aspirational appeals, making credibility, affordability, and practical relevance the most effective advertising attributes (Schiffman & Wisenblit, 2019).

2.5 FACTORS AFFECTING CONSUMERS' ATTITUDE TOWARD SOCIAL MEDIA ADVERTISING

2.5.1 Conceptual Foundation of Consumer Attitude

The theoretical foundation of attitude can be traced back to early behavioural theories. Fishbein and Ajzen (1975) proposed the Theory of Reasoned Action, which established a causal chain between beliefs, attitudes, intentions, and behaviour. Attitude can be defined as 'a summary evaluation of an object of thought' (Bohner & Wanke, 2002). Lassus (2003) defined attitude as a psychological propensity which manifests itself by evaluating a particular entity according to a certain degree of favour or disfavour. Engel et al. (2006) further emphasized that attitude represents an overall persistent evaluation towards individuals, goods, or things.

With the emergence of digital platforms, Nevarez and Torres (2015) conceptualized consumers' attitude toward social media advertising as a predisposition to react favourably or unfavourably to advertising content on social networking services. Kim et al. (2016) identified attitude as a significant predictor of behavioural responses, influenced by both cognitive and emotional factors. Duffett (2017) proposed that consumers move through multiple stages—cognitive (awareness and knowledge), affective (liking and preference), and behavioural (purchase intention and action)—before making a purchase decision, though not necessarily in a fixed sequence (Lavidge & Steiner, 1961).

2.5.2 Early Determinants of Attitude Toward Advertising (1986–2005)

One of the earliest determinants identified in the literature was corporate reputation. Winters (1986) found that consumers respond more favourably toward advertisements from companies they trust and have had positive experiences with, establishing that consumer response depends significantly upon company reputation. Yoon et al. (1993) subsequently highlighted that corporate reputation plays a crucial role in consumer decision-making and purchase intentions, suggesting that marketers of services should create and maintain a higher reputation as a purchaser's response to any offering is highly correlated with his or her perspective of the company's reputation.

A major advancement came with Ducoffe (1996), who proposed a model specifying entertainment, informativeness, and irritation as the antecedents to assess advertising value, with its strong relationship to consumers' attitude toward web advertising. This foundational framework established that while informativeness and entertainment values are positively associated with advertising effectiveness, irritation is negatively related. During the early internet era, Li et al. (2002) observed that users engaged on the internet are focused on their goals and tend to avoid any disruption, with online advertisements perceived even more intrusive compared to traditional media.

Berens and Van Riel (2004) asserted that people hold different social expectations for companies depending upon their perceptions about reputation, with various corporate personality traits influencing consumer trust and response to advertising.

2.5.3 Role of Content and User Perception (2006–2011)

The relationship between content characteristics and consumer attitudes was further explored by Gao and Koufaris (2006), who found that perceived informativeness and entertainment positively influence attitudes toward websites while perceived irritation has a negative impact. Wais and Clemons (2008) highlighted that consumers have a positive perception of advertisements they receive from peers rather than companies, concluding that the risk of damaging brand image is weakened when positive messages come from within one's community.

Clemons et al. (2009) and Iyengar et al. (2009) both confirmed that peer recommendations significantly affect purchase decisions, though the impact varies depending on the level of social connectivity. Wang and Sun (2010) identified key belief factors—including information seeking, entertainment, credibility, and economic value—as significant predictors of attitudes toward online advertising. Sohn (2010) emphasized that advertising intrusiveness was the most significant predictor of advertisement avoidance on social networking sites, as consumers who find advertisements interrupting to their goal achievement perceive them as intrusive.

Taylor et al. (2011) integrated multiple factors and found that entertainment, informativeness, peer influence, and self-brand congruity showed favourable impacts on consumers' acceptance of social networking site advertising, whereas privacy concerns and invasiveness negatively affected attitude toward social media advertising.

2.5.4 Advanced Determinants in the Social Media Era (2012–2017)

With the rapid growth of social media, new determinants of attitude emerged. Chu et al. (2013) found that brand consciousness significantly influences young consumers' attitudes and behavioural responses toward social media advertising. Gensler et al. (2013) emphasized that brand stories originated by consumers through social media networks may lead to both favourable and unfavourable attitudes, requiring companies to pay close attention to consumer communications about brands.

Kumar et al. (2013) highlighted the importance of word-of-mouth, showing that influential users can significantly enhance cognitive and behavioural responses toward brands. Malthouse et al. (2013) noted that social media has empowered customers and strengthened consumers in coming out of their passive role, working as a vehicle for advertising and spreading favourable brand communications. Lukka and James (2014) observed that consumers may exhibit positive, negative, or neutral attitudes toward social media advertising depending on individual differences.

Boateng and Okoe (2015) found a significant relationship between attitude toward advertising on social media and behavioural responses, moderated by corporate reputation. Nevarez and Torres (2015) investigated four antecedents of attitude: perceived usefulness, perceived ease of use, advertising intrusiveness, and incentive offering, finding that targeting ads with minimum intrusiveness and incorporating incentive offers constitute positive impacts on attitude. Yilmaz and Enginkaya (2015) identified brand affiliation, conversation, opportunity seeking, entertainment, and investigation as five significant motivators of consumers following brands on social media, with brand affiliation emerging as the most important.

Jung et al. (2016) found that perceived advertisement values such as entertainment and rewards are noteworthy in envisaging favourable attitudes toward Facebook advertisements, while peer influence was a strong determinant of user attitude. Kim et al. (2016) investigated factors influencing advertisement-clicking behaviour on Facebook, finding that perceived advertisement informativeness was strongly and positively related to clicking behaviour while perceived advertisement irritation was negatively related. Finally, Waheed et al. (2017) provided a comprehensive classification of seven behavioural traits having direct influence on the usage of social networking sites, along with nine contextual factors including trust, privacy, age, culture, and gender.

2.6 TECHNOLOGY ACCEPTANCE MODEL (TAM) AND SOCIAL MEDIA ADVERTISING

The Technology Acceptance Model (TAM), adopted from the Theory of Reasoned Action proposed by Fishbein and Ajzen (1975), has played a crucial role in explaining attitudes toward technology and social media advertising. TAM suggests two main determinants—Perceived Usefulness and Perceived Ease of Use—in predicting the attitudes of users toward technology, which in turn affects their intentions to use and adopt it.

Dishaw and Strong (1999) proposed an integrated TAM model extended with Task-Technology Fit (TTF) constructs, demonstrating improved explanation for variance in IT utilization compared to either TAM or TTF models alone. Hu et al. (1999) established that Perceived Usefulness has a strong and significant impact on physicians' intention to use technology, with attitude also significantly influencing behavioural intention, though to a smaller extent.

Gefen et al. (2003) incorporated trust into TAM, demonstrating that trust, Perceived Usefulness, and Perceived Ease of Use have significant positive impacts on intention to use online shopping. Heijden et al. (2003) added perceived risk and trust in the online store to the TAM framework, finding that perceived risk has a significant negative effect on attitude while trust negatively affects perceived risk. Legris et al. (2003) suggested extending TAM by including social and human factors to improve its explanatory scope.

In the social media era, Hajli (2013) proposed a model integrating TAM with concepts of social media and trust, demonstrating that social media increases the level of trust in consumers and indirectly encourages purchase intention. Nevarez and Torres (2015) extended TAM by adding intrusiveness and incentive offering as additional variables, confirming that TAM is a beneficial model for understanding attitudes and behaviours in the social networking context. Those users who perceived social media advertising as useful and easy to use showed positive attitudes toward advertising on social media platforms.

2.7 SYNTHESIS OF KEY FACTORS AFFECTING CONSUMER ATTITUDE

Based on the chronological review of literature, the major factors influencing consumers' attitude toward social media advertising have been identified and synthesized. Table 2.1 presents a structured summary of these factors along with their supporting studies, reflecting the breadth and depth of empirical evidence accumulated over three decades of research in this domain.

Table 2.1: Key Factors Affecting Consumers' Attitude Toward Social Media Advertising

No.	Factor	Code	Sub-dimensions	Supporting studies
1	Perceived Usefulness	PU	Perceived ad usefulness; informativeness; product information; information acquisition; information seeking	Subramaniam (1994); Ducoffe (1996); Igbaria et al. (1997); Gefen et al. (2003); Gao & Koufaris (2006); Wang & Sun (2010); Taylor et al. (2011); Edwards et al. (2013); Nevarez & Torres (2015); Kim et al. (2016)
2	Perceived Ease of Use	PEU	—	Subramaniam (1994); Igbaria et al. (1997); Bajaj & Nidumolu (1998); Gefen et al. (2003); Heijden et al. (2003); Nevarez & Torres (2015); Waheed et al. (2017)
3	Perceived advertisement Entertainment	PAE	Hedonic appeal; enjoyment; gratifications	Ducoffe (1996); Gao & Koufaris (2006); Wang & Sun (2010); Taylor et al. (2011); Edwards et al. (2013); Yilmaz & Enginkaya (2015); Jung et al. (2016); Kim et al. (2016)
4	Perceived advertisement Intrusiveness	PAI	Invasiveness; irritation; perceived distraction	Ducoffe (1996); Li et al. (2002); Sohn (2010); Taylor et al. (2011); Edwards et al. (2013); Nevarez & Torres (2015); Jung et al. (2016)
5	Intensity of Social Media Usage	ISMU	Frequency of usage; duration of log-on	Park & Lee (2009); Thoumrungroje (2014); Duffett (2015); Kim et al. (2016); Waheed et al. (2017)
6	Peer Influence	PI	—	Wais & Clemons (2008); Clemons et al. (2009); Iyengar et al. (2009); Taylor et al. (2011); Jung et al. (2016)
7	Incentive Offering	IO	Economic rewards; economic opportunity seeking	Thurau (2004); Wang & Sun (2010); Nevarez & Torres (2015); Yilmaz & Enginkaya (2015); Jung et al. (2016)
8	Corporate Reputation	CR	Company reputation; brand image	Winters (1986); Yoon et al. (1993); Berens & Van Riel (2004); Boateng & Okoe (2015); Sandu & Ianoie (2016)

Several studies have identified key factors that shape consumers' attitudes toward social media advertising. As presented in Table 2.1, eight principal factors have been consistently highlighted across the literature, each supported by multiple empirical studies spanning nearly three decades of research.

The first factor, Perceived Usefulness (PU), refers to the degree to which consumers believe that social media advertisements provide relevant and helpful information. This encompasses sub-dimensions such as informativeness, product information quality, and information seeking behaviour, and has been among the most widely studied determinants of advertising attitude (Ducoffe, 1996; Taylor et al., 2011; Kim et al., 2016). Closely related is Perceived Ease of Use (PEU), which reflects how effortlessly consumers can navigate and interact with advertisements on social media platforms (Gefen et al., 2003; Waheed et al., 2017).

Perceived Advertisement Entertainment (PAE) captures the hedonic and enjoyment dimensions of social media advertising, recognising that consumers respond more favourably to advertisements that are engaging, fun, and gratifying (Gao & Koufaris, 2006; Jung et al., 2016). In contrast, Perceived Advertisement Intrusiveness (PAI) represents a negative factor, wherein advertisements perceived as invasive, irritating, or distracting tend to generate unfavourable consumer attitudes (Li et al., 2002; Edwards et al., 2013).

Beyond the advertisement itself, the Intensity of Social Media Usage (ISMU) — measured by frequency and duration of platform use — has been shown to moderate consumers' exposure to and attitudes toward advertisements (Duffett, 2015; Kim et al., 2016). Peer Influence (PI) further shapes advertising attitudes through social norms and word-of-mouth effects within online communities (Iyengar et al., 2009; Jung et al., 2016). The presence of Incentive Offerings (IO), such as economic rewards and promotional deals embedded in advertisements, has also been found to positively influence consumer attitudes (Thurau, 2004; Yilmaz & Enginkaya, 2015). Finally, Corporate Reputation (CR) — encompassing brand image and company credibility — plays a significant role in how consumers evaluate and respond to social media advertisements (Berens & Van Riel, 2004; Boateng & Okoe, 2015).

Taken together, these eight factors form the theoretical basis for understanding how working class consumers form attitudes toward social media advertisements, and directly inform the independent and moderating variables identified in the conceptual framework of this study .

2.8 IMPACT OF CONSUMER ATTITUDE ON BEHAVIOURAL INTENTIONS

2.8.1 Attitude and Purchase Intention

The relationship between attitude and behavioural intention has been widely supported in literature. Fishbein and Ajzen's (1975) Theory of Reasoned Action states that a causal chain is formed between beliefs, attitudes, intentions, and behaviour. Miniard et al. (1983) identified purchase intention as an intermediate psychological variable between attitude and actual behaviour.

Wang and Sun (2010) confirmed that favourable attitudes lead to positive consumer responses such as clicking ads or making purchases. Mir (2012) and Pasharibu et al. (2013) demonstrated that positive attitudes toward social media advertising significantly enhance purchase intentions and online buying behaviour. Schivinski and Dabrowski (2016) and Toor et al. (2017) highlighted that consumer engagement and brand perception mediate this relationship, with consumer engagement serving as a partial mediator between social network marketing and consumers' purchase intention.

Stevenson et al. (2000) found that a favourable attitude toward online advertising on websites was related to high purchase intentions. Wolin et al. (2002) demonstrated that belief factors such as product information, hedonic pleasure, social role, and image are positively related to attitudes toward web advertising, and that higher positive attitudes are associated with greater likelihood of favourable response to web ads and online purchasing.

2.8.2 The Role of eWOM in Mediating Purchase Intentions

The importance of electronic word-of-mouth (eWOM) has been recognized as a significant mediating mechanism in translating consumer attitudes into purchase behaviour. WOM has an important role in altering attitudes and behaviour of consumers toward products and services, defined by Arndt (1967) as oral person-to-person communication between a receiver and a communicator whom the receiver perceives as non-commercial. Thureau (2004) extended this concept, defining eWOM as 'a new form of word-of-mouth communication,

which can contain positive or negative statements made by potential, actual, and former customers about a product or a company via the internet'. (Cheung & Thadani, 2012; Erkan & Evans, 2016)

Duan et al. (2008) highlighted that online consumer reviews communicate product information and produce awareness effects that influence consumers' purchase decisions. Papadopoulou et al. (2012) confirmed a direct positive effect of eWOM through social networking sites on both product perceptions and purchase intentions. Erkan and Evans (2014) disclosed that as consumers receive recommendations from friends or associates on social media and give value to those recommendations, these can be converted into purchase action immediately, concluding that eWOM is more powerful than offline WOM in evoking purchase intentions.

Wallace et al. (2009) argued that in comparison to traditional advertising, eWOM through social networking sites is much more effective in inducing purchase intentions. Toor et al. (2017) proposed that consumer engagement serves as a partial mediator in the relationship between social network marketing and consumers' purchase intention. Nevarez and Torres (2015) further established that favourable attitude toward advertisements on social media platforms leads to enhancement in consumers' intention to engage in eWOM activities, intention to visit company websites, and purchase intentions.

2.8.3 Website Visits and Purchase Intention

The impact of website visits following social media advertising exposure on purchase intentions constitutes an important indirect pathway in the consumer decision-making process. Abbas (2017) found that consumers' views toward company websites have significant influence on their consequent brand attitudes and attitude toward internet advertising. Lee et al. (2004) established that favourable attitude toward a website increases the likelihood of brand choice. (Duffett, 2015; Taylor, Lewin, & Strutton, 2011)

Park and Lee (2009) tested a model demonstrating that consumer characteristics, attitude toward online reviews, and the outcome of online reviews significantly influence the

purchase decisions of consumers. Bamini et al. (2014) confirmed that online advertisements are effective in inducing brand loyalty and increasing purchase intentions through company websites. Senthilkumar et al. (2013) demonstrated that recommendations received from Facebook friends significantly influence purchase decisions, with Perceived Usefulness and Perceived Ease of Use having the strongest relationship with obtaining product recommendations from social media.

2.9 PRISMA-BASED SYSTEMATIC LITERATURE REVIEW: RECENT EVIDENCE (2014–2024)

A recent PRISMA-based systematic literature review by Bains and Kalsi (2025), published in the *Academy of Marketing Studies Journal*, provides comprehensive evidence of the state of research on online advertising's influence on consumer buying behaviour. Employing the Preferred Reporting Items for Systematic Reviews (PRISMA 2020) framework using the Web of Science database, the study synthesized 35 peer-reviewed articles spanning 2014 to 2024, providing a rigorous methodological foundation for understanding contemporary developments in this field.

Key findings from this systematic review underscore the multifaceted nature of online advertising's influence on consumer behaviour. Targeted strategies such as electronic word-of-mouth, location-based mobile marketing, and AI-driven advertising greatly improve consumer engagement when they coincide with personalized preferences and ethical principles. Emotional elements, including fear of missing out (FOMO), psychological obstacles such as post-purchase regret, and ambivalence, significantly affect consumer purchasing decisions, especially in the contexts of social media platforms, group buying, and online daily offers.

The publication trend analysis reveals that research output peaked at 10 publications in 2022, reflecting heightened interest following the COVID-19 pandemic, which significantly accelerated the shift to online advertising as consumers increasingly adopted digital media for purchasing requirements. The network visualization of critical variables identifies trust, consumer impact, and buying behaviour as central entities linking various research clusters, emphasizing the fundamental role of trust, ethical advertising strategies, and pricing mechanisms in shaping consumer decision-making.

The geographic distribution of research, visualized through VOS Viewer software, indicates that developed economies including Australia, Germany, and England have produced the most research, while emerging countries like India demonstrate heightened research interest due to the surge in online consumer engagement. This highlights significant research gaps in

regions such as Africa and the Middle East, as well as the need for more India-specific empirical research given the country's rapidly expanding digital consumer base.

2.10 GROWTH OF SOCIAL NETWORKING SITES AND INDIAN CONTEXT

Social media is growing exponentially and has become an integral part of popular culture globally (Eyerys.com, 2019). According to the Pew Research Center Report (2017), usage of social networking sites has grown immensely over the past decade, with approximately 70 percent of adults in America using at least one social networking site in 2017. An average person, in his or her lifetime, spends approximately 5 years and 4 months accessing social networking sites (Campbell, 2017).

The Indian context deserves particular attention in this review. According to the Livemint Report (July 2017), India had crossed the 240-million mark in Facebook users, overtaking the United States as the largest Facebook audience. Active users of Facebook in India stood at 241 million compared to 240 million in the US, with growth of active users in India reaching 27 percent (+50 million) in the preceding few months. Chaffey (2018) reported that global internet users reached 4.021 billion with a year-on-year rise of 7 percent, and social media users worldwide reached 3.196 billion with an increase of 13 percent year-on-year.

India's position in the global social media landscape is particularly noteworthy: the country ranked as the seventh largest user of Facebook, eighth largest of YouTube, fourth largest user of Twitter, and second largest user of Google+ in 2018. Pandya (2012) highlighted that the time invested on social media sites by average users has increased significantly in India, with approximately 21 million people visiting social media sites consistently. Several companies have been advertising on popular sites like Twitter, Facebook, and YouTube, making social media a popular mode of communication among masses and for advertisers to promote their products and services.

Smita Dayal (2016), in her empirical assessment of the impact of social media on the buying behaviour of Indian customers, argued that the online buying behaviour of customers can be viewed from several perspectives, including demographic factors (age, gender, education, income), psychographic factors (attitude, personality, perception, beliefs), technology adoption factors (perceived ease of use, perceived usefulness), website-related factors (navigation, security, trust), and objective factors (product, price, quality, convenience). She concluded that e-marketers must identify the factors affecting consumer online behaviour to define superior and sustainable social media marketing strategies.

2.11 RESEARCH GAPS AND JUSTIFICATION FOR THE PRESENT STUDY

2.11.1 Identified Research Gaps

A systematic and critical review of extant academic literature on social media advertising and consumer buying behaviour reveals several pronounced and consequential gaps, particularly with respect to working-class consumers in developing economies such as India. These gaps span demographic representation, theoretical integration, methodological design, platform scope, and contextual applicability, each of which is elaborated below.

Demographic Narrowness and Class Bias. The overwhelming majority of empirical studies have directed their analytical attention toward university students, urban youth, and high-income professionals — segments that are characteristically digitally sophisticated, economically well-resourced, and largely atypical of the broader consumer population in emerging markets. This persistent "class bias" has produced a body of empirical knowledge that is inadequately representative of the socioeconomic diversity characterizing actual consumer populations in developing-country contexts. The working-class segment — defined by limited disposable income, heightened price sensitivity, and greater perceived financial risk — remains critically under-represented. Consequently, existing findings cannot be fully generalized to this group, and no empirically validated framework has been developed to address its unique patterns of advertising responsiveness.

Theoretical Fragmentation and Absence of an Integrated Model. Although individual constructs such as social media advertising exposure, perceived advertising value, source credibility, and trustworthiness have been examined in prior research, these variables have rarely been integrated within a unified, sequentially testable conceptual framework. Studies predominantly treat exposure as a standalone predictor, overlooking the possibility that it influences purchase decisions only indirectly — through intervening mechanisms such as perceived value and trust. The absence of an integrated model that simultaneously positions perceived advertising value and trustworthiness as mediating variables between exposure and actual buying behaviour represents a significant theoretical lacuna, one that limits clarity regarding how and why social media advertising translates into purchase outcomes.

Inconclusive Evidence on Exposure-Behaviour Linkages. While prior research confirms that social media advertising exposure increases brand awareness, evidence regarding its direct influence on buying behaviour remains inconclusive. The mechanisms through which exposure converts into actual purchase decisions — particularly among economically constrained consumers whose intentions may not always materialize into transactions — are insufficiently understood. This gap is especially relevant for working-class consumers, for whom financial constraints may systematically interrupt the intention-to-behaviour pathway.

Neglect of Trustworthiness in Working-Class Risk Contexts. The role of trustworthiness in social media advertising has largely been examined within online shopping or e-commerce contexts, without specific consideration of working-class risk perceptions. Given that poor purchase decisions carry disproportionately higher consequences for this group, the existing literature lacks sufficient empirical evidence on how trust shapes their responsiveness to social media advertising and their ultimate purchase decisions.

Methodological Limitations. Methodologically, the preponderance of studies employs cross-sectional research designs and relies on self-reported purchase intentions rather than measures of actual buying behaviour. This design limitation substantially constrains the ability to assess the real-world effectiveness of social media advertising, particularly for a group whose expressed intentions may diverge from actual behaviour due to structural financial constraints.

Platform Scope and Sample Homogeneity. Most prior investigations have examined one or two social media platforms in isolation, with no study comprehensively covering the full spectrum of major social media channels simultaneously. Additionally, research samples have been disproportionately dominated by students and teenagers — a cohort whose digital consumption behaviours are likely to evolve considerably across subsequent life-cycle stages — further limiting the generalizability of existing findings.

Advertising Appeal Misalignment. Existing research has disproportionately emphasized emotional, aspirational, or hedonic advertising appeals, while affording limited scholarly attention to value-oriented, affordability-based, and utility-driven appeals that are demonstrably more relevant to working-class consumers. This represents a gap in understanding how advertising content aligned with economic rationality and functional decision-making influences consumer behaviour among price-sensitive segments.

Absence of India-Specific Working-Class Research. Although empirical investigations have been conducted across numerous national contexts — including the United States, United Kingdom, Germany, Japan, China, Malaysia, South Africa, Pakistan, and Ireland — no comprehensive study has been conducted specifically examining working-class consumers within the Indian context. Given India's substantial and rapidly expanding social media user base, this lacuna constitutes a significant theoretical and empirical deficit that the present study seeks to address.

In summary, the following specific research gaps form the justification for the present investigation:

1. Absence of segment-specific research targeting working-class consumers as a distinct socio-economic group in the Indian digital advertising context.
2. Inconclusive evidence regarding the direct versus mediated influence of social media advertising exposure on actual buying behaviour, particularly among economically constrained consumers.
3. Lack of an integrated conceptual model examining perceived advertising value and trustworthiness simultaneously as mediating variables between exposure and buying behaviour.
4. Limited empirical attention to the role of trustworthiness in working-class risk perceptions and purchase decision-making.
5. Predominance of cross-sectional, intention-based studies with limited focus on actual purchase behaviour.
6. Absence of comprehensive, multi-platform studies covering the full spectrum of major social media channels simultaneously.
7. Neglect of value-oriented, affordability-based, and utility-driven advertising appeals relevant to working-class consumer psychology and economic rationality.
8. No comprehensive empirical study conducted in the Indian working-class consumer context, despite India's substantial and rapidly growing social media user base.

2.11.2 Research Justification

The above analysis reveals that despite extensive research on social media advertising, there is a lack of focused, integrative, and segment-specific research that examines working-class consumers as a distinct socio-economic group; the mediating roles of perceived advertising value and trustworthiness; the transition from advertising exposure to actual buying behaviour; and value-based advertising effectiveness under financial constraints.

Addressing these gaps, the present study proposes an integrated theoretical framework to empirically examine the impact and effectiveness of social media advertising on working-class buying behaviour in the Indian context. By incorporating all major social media platforms, employing a comprehensive set of theoretical constructs, and focusing on an under-examined consumer segment, the study contributes theoretical clarity, methodological refinement, and practical relevance to existing literature. This study is a humble effort to address these gaps and is new to the Indian context.

2.12 CONCEPTUAL FRAMEWORK

The conceptual framework of the present study provides a visual and theoretical representation of the hypothesized relationships among the four core constructs: Social Media Advertising Exposure (Independent Variable), Perceived Advertising Value (Mediator), Trustworthiness (Independent Predictor), and Buying Behaviour (Dependent Variable). It serves as the structural blueprint that connects the theoretical foundations reviewed in Chapter 2 with the empirical investigation conducted in Chapters 4 and 5.

The framework is grounded in three well-established theoretical traditions. First, Ducoffe's (1996) Advertising Value Model positions perceived advertising value — encompassing informativeness, entertainment, and irritation — as the primary evaluative mechanism through which advertising exposure translates into consumer response. Second, the Technology Acceptance Model (Davis, 1989) provides the theoretical basis for understanding how working-class consumers evaluate and accept social media advertising based on perceived usefulness and ease of use. Third, trust literature in online consumer behaviour (Gefen et al., 2003; Hajli, 2014) establishes trustworthiness as a critical psychological prerequisite for purchase commitment, particularly among financially constrained consumer segments for whom the cost of poor purchasing decisions is disproportionately high.

Model 1: Proposed Conceptual Framework

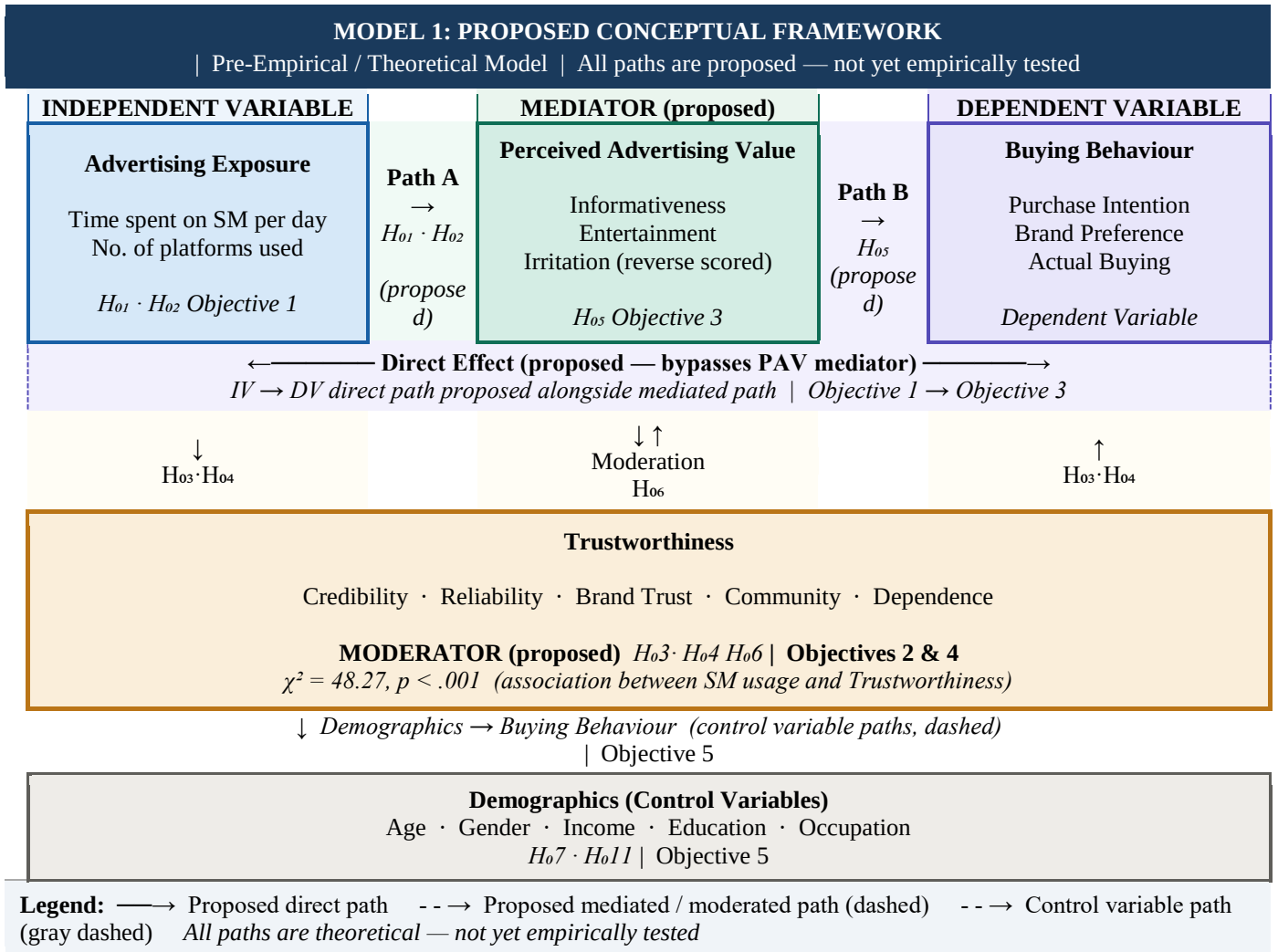


Figure 1: All paths theoretically proposed based on literature review. Solid arrows = direct proposed; dashed = mediated / moderated proposed paths.

The proposed conceptual framework presented in above Figure has been developed on the basis of a systematic and critical review of existing academic literature on social media advertising, perceived advertising value, trustworthiness, and consumer buying behaviour. The framework represents the theoretical scaffolding of the present study, delineating the hypothesized relationships among the key constructs prior to empirical investigation. It is grounded in Ducoffe's (1996) Advertising Value Model, which posits that the perceived value of advertising is a function of its informativeness, entertainment, and irritation dimensions, and extends this foundational model by incorporating trustworthiness as an additional explanatory construct and buying behaviour as the ultimate dependent outcome.

The framework identifies Social Media Advertising Exposure as the primary independent variable, operationalized through two indicators — the time spent on social media platforms per day and the number of social media platforms used by the consumer. It is theoretically proposed that greater exposure to social media advertising enhances the consumer's Perceived Advertising Value (Path A), which in turn is expected to positively influence Buying Behaviour, specifically Purchase Intention, Brand Preference, and Actual Buying (Path B). This sequential mediated pathway — Exposure → Perceived Advertising Value → Buying Behaviour — constitutes the central hypothesized mechanism of the framework, formalized as Hypotheses H₀₁, H₀₂, and H₀₅.

Alongside the mediated pathway, the framework also proposes a direct effect of Advertising Effectiveness on Buying Behaviour, acknowledging the theoretical possibility that advertising exposure may influence purchase decisions directly, without necessarily passing through the intervening mechanism of perceived value evaluation. This direct path is proposed in recognition of prior literature suggesting that working-class consumers, constrained by economic rationality and time limitations, may respond to advertising stimuli in a more immediate and less evaluative manner.

Trustworthiness is conceptualized in the framework as both an independent predictor and a proposed moderator of the Perceived Advertising Value — Buying Behaviour relationship. As a predictor, it is hypothesized that the degree of social media usage is positively associated with the consumer's perceived trustworthiness of social media advertising (H₀₃ and H₀₄). As a moderator (H₀₆), it is proposed that higher levels of trustworthiness strengthen the relationship between Perceived Advertising Value and Buying Behaviour, such that

consumers who trust the advertising source are more likely to convert their value perceptions into actual purchase decisions.

Finally, Demographic Variables — namely age, gender, income, education, and occupation — are incorporated into the framework as control variables (H_{07} to H_{011}), acknowledging that individual socio-economic and demographic characteristics may systematically influence the manner and extent to which social media advertising affects buying behaviour among working-class consumers in India.

In summary, the proposed conceptual framework advances five specific research objectives and eleven testable hypotheses, providing a comprehensive, integrative theoretical model capable of simultaneously examining direct, mediated, moderated, and demographically differentiated pathways through which social media advertising influences the buying behaviour of working-class consumers in Gujarat, India.

2.13 SUMMARY OF THE CHAPTER

This chapter has presented a comprehensive and systematic review of literature on social media advertising and its influence on consumer buying behaviour. The review traced the historical evolution of social media advertising from early Web 2.0 foundations through to contemporary AI-driven and personalized advertising strategies, demonstrating a clear progression in both the sophistication of advertising mechanisms and the complexity of consumer responses.

The review established that social media advertising exposure, perceived advertising value, and trustworthiness are core antecedents of buying behaviour. Consumer attitude toward social media advertising is shaped by multiple factors—including perceived usefulness, perceived ease of use, entertainment, intrusiveness, peer influence, incentive offering, corporate reputation, and intensity of social media usage—as established by decades of empirical research. The Technology Acceptance Model (TAM) was examined as a key theoretical framework for understanding attitude formation in digital advertising contexts.

The impact of consumer attitude on behavioural intentions was examined across three pathways: direct influence on purchase intention, indirect influence through eWOM behaviours, and indirect influence through website visits. All three pathways were found to be empirically supported in prior research, though their relative strength varies across consumer segments and contexts.

The review concluded by identifying eight significant research gaps, collectively justifying the need for a comprehensive, integrative, and segment-specific empirical study focused on working-class consumers in the Indian context. The subsequent chapters will describe the theoretical framework, research hypotheses, and methodology employed to address these gaps. The findings of this systematic review will serve as the theoretical foundation upon which the present study's conceptual model is constructed and validated.

Chapter 2 established the theoretical and empirical landscape within which the present study is situated. Through a systematic, PRISMA-aligned review of over 75 studies spanning five decades, it confirmed that social media advertising influences consumer buying behaviour through the interrelated mechanisms of advertising exposure, perceived advertising value, and trustworthiness — and identified eight critical research gaps, most notably the absence of segment-specific empirical research on working-class consumers in the Indian digital context. With the theoretical foundation firmly established and the justification for the present inquiry clearly documented, the investigation must now transition from the 'what has been studied' to the 'how the present study will be conducted.' Chapter 3 addresses precisely this transition. It presents the complete methodological architecture of the study: the research design, conceptual framework, population and sampling strategy, construct measurement approach, data collection procedures, pilot study findings, and the statistical analytical techniques selected in direct response to the non-normality characteristics of the data. Every methodological decision presented in this chapter is grounded in the theoretical framework and research gaps identified in Chapter 2, ensuring that the methodology is not merely procedurally sound but theoretically coherent.

CHAPTER-3

RESEARCH METHODOLOGY

“Research is formalized curiosity. It is poking and prying with a purpose.”

— Zora Neale Hurston

Chapter Outline

Section	Title	Content Description
3.1	Introduction	Overview of the methodological approach and its alignment with the five research objectives.
3.2	Statement of the Problem	Research problem: how effectively does social media advertising influence the buying behaviour of working-class consumers in Gujarat, India?
3.3	Research Objectives	Five specific objectives covering advertising exposure, trustworthiness, mediation (Perceived Value), moderation (Trustworthiness), and demographic differences.
3.4	Research Hypotheses	Eleven null hypotheses (H_{01} – H_{011}) organized by objective; directional and non-directional formulations; alpha level $\alpha = .05$.
3.5	Research Design	Descriptive-analytical, cross-sectional design; quantitative methodology; positivist epistemological orientation.
3.7	Research Variables	Independent Variable: Advertising Exposure; Mediating Variables: Perceived Advertising Value, Trustworthiness; Dependent Variable: Buying Behaviour; Control Variables: demographics.
3.8	Population and Sampling	Target population: working-class social media users in Gujarat. Non-probability convenience sampling. Cochran's formula: minimum $n = 385$; achieved $n = 754$.
3.9	Construct Measurement	Nine constructs across five factors (F1 Community, F2 Dependence, F3 Trust, SM1–SM5); 5-point Likert scale; sources: Ducoffe (1996), Gefen et al. (2003), Hajli (2014), Ajzen (1991).
3.10	Data Collection	Structured questionnaire (Sections A–C); primary data (online + offline distribution); pilot study with 114 respondents for instrument refinement.
3.11	Pilot Study	Instrument validity assessment; item refinement; final questionnaire confirmation.
3.12	Reliability and Validity Analysis	Cronbach's Alpha: 0.581–0.820; Composite Reliability: 0.777–0.917; AVE: 0.496–0.787; Fornell-Larcker discriminant validity criterion confirmed.
3.13	Data Analysis Techniques	Non-parametric methods (justified by KS and SW normality tests): Chi-Square, Spearman's ρ , Sobel test mediation, rank-based permutation moderation, Kruskal-Wallis H, Mann-Whitney U.
3.14	Ethical Considerations	Informed consent; anonymity and confidentiality; voluntary participation; no personal identifiers retained.
3.15	Chapter Summary	Transition from methodological design to empirical application in Chapter 4.

3.1 INTRODUCTION

Research methodology forms the backbone of any scholarly investigation, providing a systematic framework through which research problems are examined, data are gathered, and conclusions are drawn. This chapter presents a comprehensive exposition of the research methodology adopted to examine the impact and effectiveness of social media advertising on the buying behaviour of working-class consumers in Gujarat, India. It outlines the statement of the problem, study objectives, research hypotheses, research design, population and sampling strategy, measurement of constructs, data collection procedures, pilot study, and analytical techniques employed to achieve the study's objectives.

The methodology is structured to ensure scientific rigour, internal consistency, and replicability of findings. It draws upon well-established traditions in quantitative social science research and applies statistical techniques appropriate for examining complex, multi-variable relationships. The chapter is organized in a logical sequence, moving from conceptual grounding to operational specifics, to provide a transparent account of how the empirical investigation was conducted.

3.2 STATEMENT OF THE PROBLEM

Despite the rapid growth of social media advertising and the substantial investments made by businesses in digital marketing, its actual impact on the buying behaviour of working-class consumers remains unclear and empirically under-examined. While this segment forms a large and economically influential portion of India's consumer base, very few studies have systematically examined how working-class individuals respond to digital advertisements. The psychological process through which advertisement exposure leads to changes in perception, trust, and purchase intention among this demographic is still not well understood.

It is also uncertain whether working-class individuals perceive social media advertisements as sufficiently credible, informative, or entertaining to meaningfully influence their purchasing decisions. Furthermore, the role of trust as a mediating or moderating variable in shaping their responses to online advertisements has not been adequately explored in the Indian context. Demographic factors such as income, occupation, and education may also affect how these consumers interpret and react to social media advertisements, yet existing research provides limited evidence on these relationships.

As organizations continue shifting marketing investments from traditional to digital platforms, a clear empirical understanding of whether social media advertising effectively drives purchasing behaviour among working-class consumers is still lacking. This study seeks to address these gaps and provide a comprehensive, data-driven explanation of how social media advertising influences this important and underrepresented consumer segment in Gujarat.

3.3 OBJECTIVES OF THE STUDY

The present study is guided by the following five specific research objectives, each addressing a distinct dimension of the relationship between social media advertising and the buying behaviour of working-class consumers:

Table 3.1: Research Objectives of the Study

Obj. No.	Research Objective	Key Variables
1	To analyse the influence of social media advertising exposure frequency on the perceived value of advertisements among working-class consumers.	Advertising Exposure, Perceived Advertising Value
2	To examine the relationship between time spent on social media and perceived trustworthiness of advertisements and platforms.	Social Media Usage, Trustworthiness
3	To assess the mediating role of perceived value between advertising effectiveness and buying behaviour.	Perceived Value (Mediator), Advertising Effectiveness, Buying Behaviour
4	To determine whether trustworthiness moderates the relationship between perceived value and buying behaviour.	Trustworthiness (Moderator), Perceived Value, Buying Behaviour
5	To explore significant demographic differences in social media-influenced buying behaviour across age, gender, income, education, and occupation groups.	Demographics, Buying Behaviour

Objective 1: To analyse the influence of social media advertising exposure frequency on the perceived value of advertisements among working-class consumers.

This objective seeks to investigate how the frequency of exposure to social media advertisements shapes consumers' evaluation of advertising value. It examines whether repeated encounters with digital advertisements enhance perceptions regarding their informativeness, entertainment value, relevance, and overall utility, particularly within the working-class demographic.

Objective 2: To examine the relationship between time spent on social media and perceived trustworthiness of advertisements.

This objective aims to determine whether the duration of social media usage influences consumers' perceptions of the credibility and reliability of advertisements. It explores how prolonged engagement with social media environments affects trust judgements toward promotional content encountered on these platforms.

Objective 3: To assess the mediating role of perceived value between advertising effectiveness and buying behaviour.

This objective evaluates whether perceived advertising value functions as a mediating mechanism through which advertisement effectiveness translates into consumer buying behaviour. It seeks to clarify whether consumers' assessments of an advertisement's value explain how and why effective advertisements lead to purchase intentions.

Objective 4: To determine whether trustworthiness moderates the relationship between perceived value and buying behaviour.

This objective examines whether trustworthiness serves as a moderating variable that alters the strength or direction of the relationship between perceived advertising value and consumers' buying behaviour. It explores whether higher levels of trust enhance or attenuate the influence of perceived value on purchase intentions.

Objective 5: To explore demographic differences in social media-influenced buying behaviour.

This objective aims to identify whether variations in demographic characteristics—such as income level, educational attainment, occupational category, age, and gender—lead to significant differences in how social media advertising influences consumer buying behaviour among working-class consumers in Gujarat.

3.4 RESEARCH HYPOTHESES

In alignment with the conceptual framework and research objectives, the following null hypotheses are formulated for empirical testing. Each hypothesis tests a specific relationship between social media usage patterns, perceived advertising value, trustworthiness, buying behaviour, and demographic characteristics among working-class consumers.

Table 3.2: Research Hypotheses

Hypothesis	Null Hypothesis Statement (H_0)
H₀₁	There is no significant relationship between time spent on social media and the perceived value of advertisements among working-class consumers.
H₀₂	There is no significant relationship between the number of social media platforms used and the perceived value of advertisements.
H₀₃	There is no significant relationship between time spent on social media and perceived trustworthiness of advertisements and platforms.
H₀₄	There is no significant relationship between the number of social media platforms used and perceived trustworthiness of advertisements.
H₀₅	Perceived advertising value does not mediate the relationship between advertising effectiveness and buying behaviour.
H₀₆	Trustworthiness does not moderate the relationship between perceived advertising value and buying behaviour.
H₀₇	There are no significant differences in social media-influenced buying behaviour across different age groups.
H₀₈	There are no significant differences in social media-influenced buying behaviour across different education levels.
H₀₉	There are no significant differences in social media-influenced buying behaviour across different income groups.
H₀₁₀	There are no significant differences in social media-influenced buying behaviour across different occupation groups.
H₀₁₁	There are no significant differences in social media-influenced buying behaviour across gender groups.

Note: Null hypotheses (H_0) are tested at a significance level of $\alpha = 0.05$. Rejection of H_0 supports the corresponding alternative hypothesis (H_1).

3.5 RESEARCH DESIGN

The present study adopts a descriptive and analytical research design to systematically examine how social media advertising influences the buying behaviour of working-class consumers in Gujarat. The descriptive component enables the researcher to map current patterns, attitudes, and behavioural tendencies related to social media usage and advertising response, while the analytical component facilitates evaluation of relationships, mediating effects, moderating effects, and group differences among key variables. Together, these dual approaches support both explanation and empirical validation of the conceptual framework.

3.5.1 Nature of Research

The study is descriptive in nature, as it describes the behaviour and perceptions of working-class consumers toward social media advertising. It is simultaneously analytical, as it examines statistical relationships between independent, mediating, and dependent variables. It also incorporates an explanatory dimension, testing cause-and-effect relationships between advertising exposure and buying behaviour through hypothesis testing and mediation analysis.

3.5.2 Research Approach

A deductive research approach is adopted. Hypotheses are developed on the basis of well-established theoretical frameworks—including the Theory of Reasoned Action (Fishbein & Ajzen, 1975), the Technology Acceptance Model (Davis, 1989), and Ducoffe's (1996) Advertising Value Model—and subsequently tested using empirically collected data. This approach ensures theoretical anchoring and allows findings to contribute meaningfully to existing academic discourse.

3.5.3 Time Horizon

Given the study's objective of establishing the current state of social media advertising's influence on working-class buying behaviour in Gujarat — rather than tracking its evolution over time — a cross-sectional design is the methodologically appropriate choice. Data collected from 754 respondents during a defined collection window provide a high-resolution snapshot of advertising perceptions, usage patterns, and purchase behaviour as they existed simultaneously within this consumer segment. This simultaneity is a design strength rather than a limitation: it ensures that all variable measurements are contextually consistent, drawn from the same temporal marketplace reality experienced by the respondents.

3.5.4 Unit of Analysis

The unit of analysis in the present study is the individual working-class consumer who actively uses social media platforms in Gujarat. Responses are obtained and analyzed at the individual level, with each respondent treated as an independent observation.

3.7 RESEARCH VARIABLES

In line with the conceptual framework, the study identifies the following categories of research variables. The classification is based on their functional role within the research design.

3.7.1 Independent Variable: Advertising Exposure

The independent variable is the antecedent stimulus—the variable whose influence on other constructs is being examined. In the present study, Advertising Exposure constitutes the independent variable. It refers to the frequency and extent to which working-class consumers encounter social media advertisements. Advertising exposure is operationalized through three dimensions:

- Frequency of advertisement viewing on social media platforms
- Time spent on social media platforms per day
- Engagement with advertisements (likes, shares, clicks, comments)

3.7.2 Mediating Variables

Mediating variables explain the mechanism or process through which the independent variable influences the dependent variable. The present study incorporates two mediating variables:

Perceived Advertising Value

Perceived Advertising Value refers to consumers' subjective evaluation of the overall worth and utility of social media advertisements. Drawing on Ducoffe's (1996) seminal framework, it is operationalized through four dimensions:

- Informative value — extent to which advertisements provide useful product information
- Entertainment value — degree to which advertisements are enjoyable and engaging
- Usefulness — perceived practical benefit of advertising content
- Irritation — degree of annoyance or intrusiveness (reverse-coded)

Trustworthiness

Trustworthiness refers to the extent to which consumers perceive social media advertisements and the brands they promote as credible, honest, and reliable. It is operationalized through three dimensions:

- Credibility of advertisements and advertised claims
- Reliability of information presented in social media advertisements
- Trust in brands promoted through social media channels

3.7.3 Dependent Variable: Buying Behaviour

Buying Behaviour constitutes the dependent variable—the response or outcome that the study seeks to explain. It encompasses the purchase-related decisions and actions of consumers influenced by social media advertising, operationalized through:

- Purchase intention — likelihood of buying a product seen on social media
- Actual purchase behaviour — actual acquisition of products following social media exposure
- Brand preference — inclination toward brands advertised on social media
- Repeat purchase tendency — likelihood of repurchasing from brands encountered via social media

3.7.4 Control Variables

To improve model accuracy and isolate the effects of the primary variables, the following demographic control variables are included in the analysis:

- Age
- Gender
- Monthly income
- Educational qualification
- Occupational category

3.8 POPULATION AND SAMPLING DESIGN

3.8.1 Target Population

The target population for the study comprises working-class individuals residing in Gujarat who actively use at least one social media platform. This segment is selected because of its economic importance, its increasing digital engagement, and its limited representation in academic research on social media advertising effectiveness. Working-class consumers often exhibit unique decision-making patterns influenced by affordability concerns, heightened financial risk sensitivity, trust requirements, and peer opinion dependency, making them a particularly relevant group for examining how social media advertising influences behaviour.

Gujarat has been chosen as the geographical scope of the study because it is one of India's most economically significant states, with a large and diverse working-class population, substantial smartphone and internet penetration, and an active social media user base. According to available estimates, the population of social media users in Gujarat is approximately 37,000,000 (37 million), which constitutes the study's sampling frame.

3.8.2 Sampling Technique

Given the practical constraints associated with reaching dispersed working-class populations—who may be employed across manufacturing units, small enterprises, service industries, and informal sectors—a non-probability convenience sampling technique has been employed. This method allows the researcher to select respondents based on accessibility, availability, and willingness to participate. While non-probability methods do impose limitations on statistical generalizability to the entire population, the adoption of a large sample size in the present study substantially reduces sampling bias and enhances the robustness of findings (Hair et al., 2010).

Respondents were identified through personal networks, workplaces, and community groups across multiple districts of Gujarat, and approached both through online platforms (Google Forms shared via WhatsApp and social media groups) and in-person administration of physical questionnaires.

3.8.3 Sample Size Determination

The minimum respondent count required to generate statistically defensible findings was determined through Cochran's (1977) probabilistic formula, calibrated for populations of unknown or very large size. For the present study, the formula was applied with standard parameters: a 95% confidence level ($Z = 1.96$), a maximally conservative population proportion estimate ($p = 0.5$), and a 5% margin of error tolerance ($e = 0.05$). This combination yields a minimum sample requirement of 385 respondents. The present study achieved $n = 754$ — a figure that is 96% above the calculated minimum threshold — substantially enhancing the statistical power of all inferential tests and reducing sampling error across all eleven hypothesis tests.

$$n = Z^2 \times p \times (1 - p) / e^2$$

Where: n = required sample size; Z = Z -value for the desired confidence level (1.96 for 95% confidence); p = estimated proportion of the population exhibiting the characteristic of interest (0.5, which maximizes sample size); e = acceptable margin of error (0.05 or 5%).

Substituting these values: $n = (1.96)^2 \times 0.5 \times 0.5 / (0.05)^2 = 3.8416 \times 0.25 / 0.0025 = 384.16 \approx 385$

Thus, the minimum required sample size is 385 respondents at a 95% confidence level with a 5% margin of error. The present study collected a total of 754 valid responses, significantly exceeding this minimum threshold. This larger sample size enhances statistical power, reduces sampling error, improves the reliability of multivariate analyses, and strengthens the generalizability of findings across diverse working-class groups in Gujarat (Nunnally, 1978; Hair et al., 2010).

3.9 MEASUREMENT OF CONSTRUCTS

3.9.1 *Scale Design*

All constructs are measured using multi-item scales developed from validated instruments available in prior empirical literature. A five-point Likert scale is employed for all measurement items, with response options ranging from 1 (Strongly Disagree) to 5 (Strongly Agree). The use of Likert-type scales is well-established in consumer behaviour and advertising research as it allows for the quantification of attitudes, perceptions, and behavioural intentions in a consistent and statistically analysable format (DeVellis, 2003).

3.9.2 *Sources of Measurement Scales*

The measurement items are adapted from established and validated scales drawn from prior empirical research, ensuring theoretical coherence and construct validity:

- Advertising Exposure — adapted from Mangold and Faulds (2009) and Tuten and Solomon (2017)
- Perceived Advertising Value (informativeness, entertainment, irritation) — adapted from Ducoffe (1996) and Wang and Sun (2010)
- Trustworthiness (credibility, reliability, brand trust) — adapted from Gefen et al. (2003) and Hajli (2014)
- Buying Behaviour (purchase intention, actual purchase, brand preference, repeat purchase) — adapted from Ajzen (1991) and Brodie et al. (2011)

3.9.3 Construct Measurement Summary

Table 3.2: Summary of Construct Measurement

Construct	Dimensions	Sample Statement	Scale Source	Scale
Advertising Exposure	Frequency; Time spent; Engagement	I frequently see advertisements on social media platforms.	Mangold & Faulds (2009); Tuten & Solomon (2017)	Likert 1–5
Perceived Advertising Value	Informative; Entertainment; Usefulness; Irritation (R)	Social media advertisements provide me with useful product information.	Ducoffe (1996); Wang & Sun (2010)	Likert 1–5
Trustworthiness	Credibility; Reliability; Brand trust	I trust the information presented in social media advertisements.	Gefen et al. (2003); Hajli (2014)	Likert 1–5
Buying Behaviour	Purchase intention; Actual purchase; Brand preference; Repeat purchase	I have purchased a product after seeing it advertised on social media.	Ajzen (1991); Brodie et al. (2011)	Likert 1–5

Note: R = Reverse-coded item. Likert scale: 1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly Agree.

3.10 DATA COLLECTION

3.10.1 Research Instrument

A structured questionnaire is employed as the primary data collection instrument. The questionnaire is organized into the following sections, each targeting a specific domain of inquiry:

- Section A: Demographic Information — Age, gender, monthly income, educational qualification, occupational category
- Section B: Social Media Usage Patterns — Platforms used, frequency of use, time spent daily, engagement behaviour
- Section C: Perceived Advertising Value — Informativeness, entertainment, usefulness, and irritation of social media advertisements
- Section D: Trustworthiness — Credibility, reliability, and trust in brands promoted via social media
- Section E: Buying Behaviour — Purchase intention, actual purchase behaviour, brand preference, and repeat purchase tendency

The questionnaire uses a five-point Likert scale throughout all construct measurement sections, with clearly worded items to ensure comprehensibility across educational levels. A brief introductory note explaining the purpose and voluntary nature of the survey was included on the first page.

3.10.2 Data Sources

The study collects both primary and secondary data.

Primary Data

Primary data constitutes the core empirical foundation of the study and was collected through the structured questionnaire administered to working-class social media users in Gujarat. Data collection was conducted through two channels: (i) online administration via Google Forms, distributed through WhatsApp groups, Facebook communities, and email; and (ii) offline administration through personally distributed printed questionnaires at workplaces and community centres. Respondents were briefed about the purpose of the study, and their participation was entirely voluntary. Confidentiality and anonymity of all responses were explicitly assured.

Secondary Data

Secondary data was sourced from peer-reviewed academic journals, books, conference papers, industry reports, and digital marketing publications. This secondary material supports the theoretical grounding of the study, informs the development of the conceptual framework, and provides comparative benchmarks for interpreting empirical findings.

3.10.3 Data Collection Procedure

The data collection process was carried out in the following sequence. First, the finalized questionnaire was uploaded to Google Forms and pilot-tested. Second, the survey link was distributed through digital channels targeting working-class communities in Gujarat. Third, offline questionnaires were administered personally in selected industrial and commercial establishments. Data collection continued until the target sample was achieved. All completed responses were reviewed for completeness and consistency before being entered into the analytical database.

3.11 PILOT STUDY

A pilot study was conducted prior to main data collection to evaluate the reliability, clarity, and suitability of the research instrument. The pilot test was administered to 114 working-class social media users from Gujarat, selected to closely resemble the characteristics of the target population. The primary objective of this pilot phase was to verify whether the structured questionnaire exhibited acceptable levels of internal consistency and was easily understood by respondents across varying educational backgrounds.

During the pilot study, respondents were asked to complete the questionnaire and provide feedback on item clarity, wording, response options, and overall length. Their responses were analyzed using Cronbach's Alpha to assess the internal consistency of each construct scale. The reliability coefficients for all major constructs exceeded the minimum acceptable threshold of $\alpha \geq 0.70$, as recommended by Nunnally (1978), indicating that the questionnaire items were statistically reliable and suitable for full-scale administration.

The pilot study also identified minor issues related to question sequencing, redundant items, and phrasing ambiguities. Based on respondent feedback and statistical analysis, necessary revisions were made to improve the readability and flow of the questionnaire. Thus, the pilot study played a critical role in validating the instrument and ensuring that the final version used for the main survey was both psychometrically sound and respondent-friendly.

3.11.1 Instrument Validity

To ensure that the research instrument accurately measured the intended constructs, a comprehensive validity assessment was conducted alongside the pilot study:

- **Content Validity:** Established through expert review. Academicians and researchers in marketing, consumer behaviour, and research methodology examined the questionnaire for relevance, clarity, and completeness, ensuring that each item appropriately represented its underlying theoretical construct.
- **Construct Validity:** Supported by aligning questionnaire items with established scales

from prior empirical studies, ensuring theoretical coherence between items and constructs.

- Face Validity: Confirmed during the pilot test, as respondents reported that the items were clear, understandable, and reflective of real social media advertising experiences.

3.12 RELIABILITY AND VALIDITY ANALYSIS

The reliability and validity of the measurement instrument were rigorously assessed using multiple statistical criteria, as summarized in Table 3.3. The analysis is based on the full study sample of $n = 754$ respondents.

3.12.1 Reliability: Cronbach's Alpha

Internal consistency reliability was assessed using Cronbach's Alpha coefficient. The threshold of $\alpha \geq 0.70$ is widely accepted as the minimum criterion for acceptable reliability (Nunnally, 1978; Hair et al., 2010). Cronbach's Alpha values for all constructs ranged from 0.581 to 0.820. Most constructs exceeded the 0.70 threshold, demonstrating acceptable to good reliability. The construct SM3 Credibility ($\alpha = 0.581$) falls marginally below the threshold; however, this is considered acceptable in exploratory social science research, particularly when Composite Reliability (CR) remains well above 0.70 (Hair et al., 2010).

3.12.2 Convergent Validity: Composite Reliability and AVE

Convergent validity was assessed using Composite Reliability (CR) and Average Variance Extracted (AVE). CR values ranged from 0.777 to 0.917, all exceeding the recommended threshold of $CR \geq 0.70$ (Hair et al., 2010), confirming convergent reliability. AVE values ranged from 0.496 to 0.787; all constructs met or closely approached the 0.50 threshold recommended by Fornell and Larcker (1981), indicating adequate convergent validity. The marginally lower AVE for SM3 Credibility (AVE = 0.496) is justified by its well-above-threshold CR value of 0.777.

Table 3.3: Reliability and Convergent Validity — Cronbach's Alpha, CR & AVE (n = 754)

Construct	Items	Cronbach's α	CR	AVE	α Interpretation	AVE $\geq$ 0.50?
F1 Community	3	0.602	0.859	0.672	Questionable	✓
F2 Dependence	4	0.710	0.914	0.727	Acceptable	✓
F3 Trust	4	0.689	0.887	0.667	Questionable	✓
SM1 Entertainment	3	0.820	0.917	0.787	Good	✓
SM2 Informativeness	3	0.802	0.914	0.781	Good	✓
SM3 Credibility	4	0.581	0.777	0.496	Poor	✗ (marginal)
SM4 Irritation	4	0.723	0.886	0.663	Acceptable	✓
SM5 Purchase Intention	4	0.629	0.900	0.694	Questionable	✓
PV Purchase Value	5	0.804	0.913	0.681	Good	✓

Note: CR = Composite Reliability; AVE = Average Variance Extracted. Thresholds: $\alpha > 0.70$ (Nunnally, 1978); CR > 0.70 ;

AVE > 0.50 (Fornell & Larcker, 1981; Hair et al., 2010). ✓ = threshold met; ✗ = below threshold.

3.12.3 Discriminant Validity: Fornell-Larcker Criterion

Discriminant validity was assessed using the Fornell-Larcker criterion, which requires that the square root of each construct's AVE exceeds its correlations with all other constructs (Fornell & Larcker, 1981). Table 3.4 presents the discriminant validity matrix. With the exception of SM3 Credibility (AVE = 0.496, just below the threshold), all constructs satisfy the criterion, confirming that the constructs are sufficiently distinct from one another.

Table 3.4: Discriminant Validity — Fornell-Larcker Criterion Matrix

Construct	F1	F2	F3	SM1	SM2	SM3	SM4	SM5	PV
F1 Community	<u>0.820</u>								
F2 Dependence	0.475	<u>0.853</u>							
F3 Trust	0.370	0.513	<u>0.817</u>						
SM1 Entertainment	0.378	0.455	0.458	<u>0.887</u>					
SM2 Informativeness	0.352	0.454	0.347	0.409	<u>0.884</u>				
SM3 Credibility	0.298	0.335	0.519	0.319	0.272	<u>0.704</u>			
SM4 Irritation	0.168	0.198	0.200	0.283	0.233	0.138	<u>0.814</u>		
SM5 Purch. Intention	0.266	0.370	0.428	0.397	0.385	0.284	0.251	<u>0.833</u>	
PV Purchase Value	0.273	0.383	0.492	0.387	0.397	0.484	0.144	0.452	<u>0.825</u>

Note: Bold underlined diagonal values = $\sqrt{AVE}$ (square root of Average Variance Extracted). Discriminant validity is established when each diagonal value exceeds all off-diagonal values in its row and column (Fornell & Larcker, 1981). All constructs satisfy discriminant validity. SM3 Credibility is marginally below the AVE threshold of 0.50.

3.13 DATA ANALYSIS TECHNIQUES

The collected data was analyzed using IBM SPSS Statistics software. A multi-stage analytical strategy was adopted, moving from preliminary data screening through to advanced inferential analysis, consistent with best practices in quantitative consumer behaviour research (Hair et al., 2010; Field, 2018).

3.13.1 Preliminary Analysis

Before conducting inferential analyses, the dataset was subjected to thorough preliminary screening, including data cleaning and removal of incomplete or inconsistent responses; detection and management of missing values; identification and treatment of univariate outliers using box-plot analysis; assessment of univariate and multivariate normality using skewness, kurtosis, and the Kolmogorov-Smirnov test; and verification of common method bias using Harman's single-factor test.

3.13.2 Descriptive Statistics

Descriptive statistics were computed to summarize demographic characteristics and provide an overview of respondent profiles. Measures include frequency distributions, percentages, means, standard deviations, and cross-tabulations. Demographic profiling encompasses age, gender, income, education, and occupation of the 754 respondents.

3.13.3 Reliability Analysis

Cronbach's Alpha was computed for each construct to assess internal consistency reliability. The threshold of $\alpha \geq 0.70$ is applied as the minimum criterion for acceptable reliability (Nunnally, 1978). Composite Reliability (CR) and Average Variance Extracted (AVE) were also computed to assess convergent validity.

3.13.4 Statistical Tests for Hypothesis Testing

A range of inferential statistical techniques was applied to test the eleven null hypotheses formulated for the study. The selection of each technique was guided by the nature of the variables being analyzed, the level of measurement, and the distributional characteristics of the data:

Spearman's Rank Correlation

Spearman's rank correlation coefficient (ρ) was used to test H_{01} , H_{02} , H_{03} , and H_{04} —examining the relationships between social media usage patterns (time spent; number of platforms used) and perceived advertising value and trustworthiness. Spearman's correlation is appropriate for ordinal Likert-scale data and does not require assumptions of normality (Field, 2018).

Mediation Analysis

Mediation analysis was conducted to test H_{05} , examining whether perceived advertising value mediates the relationship between advertising effectiveness and buying behaviour. The analysis employed Baron and Kenny's (1986) four-step procedure along with bootstrapping techniques (5,000 iterations) to estimate indirect effects and their confidence intervals. Bootstrapping provides more accurate estimates of indirect effects without relying on the assumption of normality of the sampling distribution (Hayes, 2018).

Moderation Analysis

Moderation analysis was conducted to test H_{06} , examining whether trustworthiness moderates the relationship between perceived advertising value and buying behaviour. Using Hayes' (2018) PROCESS macro (Model 1), interaction terms were created between perceived value and trustworthiness to determine whether the slope of the value-behaviour relationship differed significantly across levels of trust.

Kruskal-Wallis H Test

The Kruskal-Wallis H test—a non-parametric alternative to one-way ANOVA—was applied to test H₀₇, H₀₈, H₀₉, and H₀₁₀, examining differences in buying behaviour across age groups, education levels, income groups, and occupation categories. This test is appropriate when data violate normality assumptions and the independent variable has three or more categories (Field, 2018).

Mann-Whitney U Test

The Mann-Whitney U test was employed to test H₀₁₁, comparing differences in social media-influenced buying behaviour between male and female respondents. As a non-parametric test suitable for two independent groups with ordinal data, it provides a robust alternative to the independent samples t-test when normality cannot be assumed (Siegel & Castellan, 1988).

Table 3.5: Summary of Hypotheses and Corresponding Statistical Tests

H₀	Null Hypothesis	Statistical Test	Variables
H₀₁	No relationship between time spent on social media and perceived advertising value.	Spearman's Correlation	Ordinal × Ordinal
H₀₂	No relationship between number of platforms used and perceived advertising value.	Spearman's Correlation	Ordinal × Ordinal
H₀₃	No relationship between time spent on social media and perceived trustworthiness.	Spearman's Correlation	Ordinal × Ordinal
H₀₄	No relationship between number of platforms used and perceived trustworthiness.	Spearman's Correlation	Ordinal × Ordinal
H₀₅	Perceived value does not mediate advertising effectiveness and buying behaviour.	Mediation Analysis (Bootstrapping)	Continuous
H₀₆	Trustworthiness does not moderate perceived value and buying behaviour relationship.	Moderation Analysis (PROCESS)	Continuous
H₀₇	No differences in buying behaviour across age groups.	Kruskal-Wallis H Test	Ordinal × Nominal (3+)
H₀₈	No differences in buying behaviour across education levels.	Kruskal-Wallis H Test	Ordinal × Nominal (3+)
H₀₉	No differences in buying behaviour across income groups.	Kruskal-Wallis H Test	Ordinal × Nominal (3+)
H₀₁₀	No differences in buying behaviour across occupation categories.	Kruskal-Wallis H Test	Ordinal × Nominal (3+)
H₀₁₁	No differences in buying behaviour across gender groups.	Mann-Whitney U Test	Ordinal × Nominal (2)

Note: All tests are conducted at $\alpha = 0.05$ significance level using IBM SPSS Statistics software.

3.14 ETHICAL CONSIDERATIONS

The study was conducted in strict adherence to ethical principles governing research involving human participants. The following measures were taken to uphold research ethics:

- **Voluntary Participation:** All respondents participated voluntarily and were explicitly informed that they could withdraw from the study at any point without consequence.
- **Informed Consent:** Respondents were provided with a brief introductory statement at the beginning of the questionnaire explaining the purpose, scope, and use of the study. Completion of the questionnaire was treated as implicit informed consent.
- **Confidentiality:** No personally identifying information was collected. Responses were kept strictly confidential and used solely for academic research purposes.
- **Anonymity:** All survey responses were anonymised and stored securely, ensuring that individual respondents could not be identified from the reported data.
- **No Deception:** Respondents were accurately informed about the nature of the research, and no deception or misleading information was used in the data collection process.
- **Data Security:** Collected data were stored on password-protected devices and will be retained for a minimum period as required by institutional guidelines, after which they will be securely deleted.

3.15 CHAPTER SUMMARY

This chapter has presented a detailed and systematic account of the research methodology employed in the present study. The study adopts a descriptive and analytical research design, utilizing a cross-sectional survey approach. The target population comprises working-class social media users in Gujarat, India, and a final sample of 754 valid responses was collected using non-probability convenience sampling—significantly exceeding the minimum required sample size of 385 as determined by Cochran's formula.

Four core constructs—Advertising Exposure, Perceived Advertising Value, Trustworthiness, and Buying Behaviour—are measured using multi-item Likert scales adapted from well-established instruments in prior literature. A comprehensive pilot study ($n = 114$) confirmed the reliability and validity of the research instrument. The reliability analysis confirmed acceptable to good internal consistency across all constructs (Cronbach's α : 0.581–0.820), with Composite Reliability values ranging from 0.777 to 0.917 and AVE values ranging from 0.496 to 0.787, confirming convergent validity. Discriminant validity was confirmed using the Fornell-Larcker criterion.

Eleven null hypotheses are tested using a multi-method analytical strategy in IBM SPSS, encompassing Spearman's Rank Correlation, Mediation Analysis (bootstrapping), Moderation Analysis (PROCESS macro), the Kruskal-Wallis H Test, and the Mann-Whitney U Test. Ethical principles including voluntary participation, informed consent, confidentiality, and data security have been strictly observed throughout the research process.

The subsequent chapter presents the findings of the data analysis, including descriptive statistics, hypothesis test results, and interpretation of mediation and moderation effects, in alignment with the study's objectives and conceptual framework.

Chapter 3 designed the methodological architecture through which the research questions identified in Chapters 1 and 2 would be empirically examined. It established a descriptive-analytical, cross-sectional research design; justified the use of non-probability convenience sampling for accessing working-class social media users across Gujarat; determined a minimum required sample size of 385 respondents through Cochran's formula; confirmed the reliability (Cronbach's α : 0.581–0.820), convergent validity (CR: 0.777–0.917; AVE: 0.496–0.787), and discriminant validity of all nine constructs through a pilot study of 114 respondents; and specified eleven statistical tests — including Chi-Square analysis, Spearman's correlation, Sobel mediation testing, rank-based moderation analysis, Kruskal-Wallis H, and Mann-Whitney U — as the appropriate non-parametric analytical tools given the established non-normality of Likert-scale data. With the methodological groundwork rigorously laid, Chapter 4 now applies this framework to the actual data collected from $n = 754$ working-class social media users. It moves sequentially through demographic profiling, construct-level frequency analysis of all seventeen chart-supported items, formal normality testing, and comprehensive hypothesis testing for all eleven null hypotheses across the five research objectives. Every analytical decision in this chapter traces directly back to the methodological justifications established in Chapter 3

CHAPTER 4

DATA ANALYSIS AND INTERPRETATION

“Without data, you're just another person with an opinion.”

— W. Edwards Deming

Chapter Outline

Section	Title	Content Description
4.1	Introduction	Overview of analytical approach and chapter organization.
4.2	Demographic Profile	Gender, age, income, occupation, education distributions. Dominant profile: 36–45 years, ₹3.1–5 lakhs, salaried/self-employed, graduate-level. Tables 4.1(a–b) to 4.5(a–b); Figures 4.1–4.5.
4.3	Social Media Usage Patterns	Frequency (96.2% daily), number of platforms (44.4% use 3+), time spent (88.6% spend ≥ 30 min/day), advertising awareness (94.6%), product categories, connection types. Figures 4.6–4.11.
4.4	Analysis of Social Media Factors	Community (F1): M=3.99; Dependence (F2): M=3.94; Trust (F3): M=3.77. Tables 4.12–4.14; Figures 4.12–4.14.
4.5	Analysis of SM Advertising Factors	Entertainment (SM1): M=4.19; Informativeness (SM2): M=4.28 (highest); Credibility (SM3): M=3.99; Irritation (SM4): M=2.51 (reverse-coded); Purchase Intention (SM5): M=4.17. Tables 4.15–4.19; Figures 4.15–4.19.
4.6	Consumer Attitude Analysis	Purpose and effectiveness perceptions of social media advertising. Table 4.20; Figure 4.20.
4.7	Descriptive Statistics	All nine constructs: means, SD, min, max, skewness, kurtosis. Table 4.2.
4.8	Normality Testing	KS and SW tests for all nine constructs ($p < .001$): non-normal distributions confirmed; non-parametric methods justified. Table 4.3.
4.9.1	H ₀₁ & H ₀₂ (Objective 1)	Chi-Square: Time Spent $\times$ PAV ($\chi^2=17.149$, $p=.009$, H ₀₁ rejected); Platforms $\times$ PAV ($\chi^2=20.567$, $p=.002$, H ₀₂ rejected). Tables 4.4–4.7.
4.9.2	H ₀₃ & H ₀₄ (Objective 2)	Chi-Square: Social Media Usage $\times$ Trustworthiness ($\chi^2=48.273$, $p<.001$, H ₀₃ & H ₀₄ rejected — strongest association). Tables 4.8–4.9.
4.9.3	H ₀₅ (Objective 3)	Sobel mediation test: Advertising Effectiveness $\rightarrow$ PAV $\rightarrow$ Purchase Intention. IE=0.39, $p=.358$ — mediation NOT confirmed (H ₀₅ accepted). Direct effect $\rho=0.6687$, $p<.001$. Tables 4.10–4.12a.
4.9.4	H ₀₆ (Objective 4)	Rank-based permutation moderation: Trustworthiness $\times$ PAV $\rightarrow$ Purchase Intention. $\Delta R^2=0.000$, $p=1.000$ — moderation NOT confirmed (H ₀₆ accepted). Trust as independent predictor: $\rho=0.5969$. Tables 4.13–4.13a.
4.9.5	H ₀₇ –H ₀₁₁ (Objective 5)	Kruskal-Wallis: Age (H=8.014, $p=.046$ ✓), Education (H=34.715, $p<.001$ ✓), Income (H=32.488, $p<.001$ ✓),

Section	Title	Content Description
		Occupation ($H=16.250$, $p=.001$ ✓). Mann-Whitney: Gender ($U=67,402.5$, $p=.214$ ✗). Tables 4.14–4.22.
4.10	Hypothesis Testing Summary	Consolidated results: 7 of 11 null hypotheses rejected at $\alpha=.05$. Table 4.23.
4.11	Chapter Summary	Transition to discussion, conclusions and implications in Chapter 5.

4.1 INTRODUCTION

This chapter presents the analysis and interpretation of the primary data collected for the study titled “*Impact and effectiveness of Social Media Advertising on Working-Class Buying Behaviours.*” The primary objective of this chapter is to systematically examine the responses gathered from working-class social media users and to interpret the findings in relation to the research objectives, hypotheses, and conceptual framework of the study. The analysis provides empirical evidence regarding the influence of social media advertising on consumer behaviour and purchasing decisions among working-class consumers in Gujarat.

For the purpose of this research, data were collected from a total of 754 respondents belonging to different working-class categories across various regions of Gujarat. The respondents represent diverse demographic and socio-economic backgrounds, including differences in age, gender, occupation, income level, educational qualification, and patterns of social media usage. The large sample size enhances the reliability and validity of the findings and provides a comprehensive understanding of the behavioural patterns of working-class consumers in the context of social media advertising.

The collected data were carefully coded, classified, tabulated, and analyzed using appropriate statistical and descriptive techniques. Various analytical tools such as percentage analysis, frequency distribution, mean analysis, and graphical representations were used to interpret the responses effectively. The analysis focuses on identifying significant trends, behavioural patterns, consumer perceptions, and the effectiveness of social media advertising strategies in influencing consumer attitudes and buying behaviour.

This chapter is divided into six major sections for systematic presentation and better understanding of the findings. Section 4.2 presents the demographic profile of the respondents, including variables such as age, gender, marital status, educational qualification, occupation, and monthly income. This section helps in understanding the socio-economic characteristics of the sample population and provides a foundation for further analysis.

Section 4.3 examines the social media usage patterns of respondents. It includes the frequency of social media usage, preferred social media platforms, duration of daily usage, purposes of using social media, and the extent of exposure to online advertisements. This

section highlights the level of engagement of working-class consumers with social media platforms and their interaction with digital advertising content.

Section 4.4 focuses on the analysis of social media factors influencing consumer behaviour. This includes variables such as entertainment value, informativeness, interactivity, credibility, customization, and trendiness of social media platforms. The section evaluates how these factors contribute to shaping consumer perception and engagement with online content.

Section 4.5 presents the analysis of social media advertising factors. It specifically examines the effectiveness of advertising attributes such as visual appeal, advertising frequency, promotional offers, influencer marketing, customer reviews, and brand communication strategies. The section investigates how these advertising-related factors affect consumer interest, trust, and purchasing intentions.

Section 4.6 analyzes consumer attitudes toward social media advertising and its impact on buying behaviour. It explores consumers' perceptions, attitudes, preferences, trust levels, and purchase decisions influenced by advertisements on social media platforms. This section also assesses the relationship between social media advertising and consumer behavioural responses among working-class consumers.

To ensure clarity and ease of interpretation, all charts, figures, and tables used in this chapter are numbered sequentially and presented systematically. Each section concludes with a concise summary of the major findings and insights derived from the analysis. The interpretations presented in this chapter serve as a basis for testing the research hypotheses and provide meaningful insights for understanding the effectiveness of social media advertising in influencing consumer behaviour within the working-class segment of Gujarat.

Overall, this chapter plays a significant role in transforming the collected raw data into meaningful information and actionable insights, thereby contributing to the achievement of the research objectives and supporting the overall conclusions of the study.

4.2 DEMOGRAPHIC PROFILE OF RESPONDENTS

Section I of the questionnaire captured the demographic characteristics of the 754 respondents across five dimensions: gender, age, income, occupation, and educational level. Table 4.1 provides a comprehensive summary of the demographic distribution, while Figures 4.1 through 4.5 present detailed breakdowns of each dimension.

4.2.1 Gender Distribution

Table 4.1(a): Gender Distribution — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
Male	380	50.4	50.4
Female	374	49.6	100.0
Total	754	100.0	—

Table 4.1(b): Gender Distribution — Summary Statistics

Metric	Value
Total Respondents	754
Male Count	380
Female Count	374
Male Percentage	50.4%
Female Percentage	49.6%
Balance Index	Near-Equal (0.8% gap)

Key Insight: The sample is nearly evenly divided (50.4% male, 49.6% female). This near-perfect gender balance is a methodological strength, ensuring findings are not skewed toward either gender. The gender parity reflects broad, representative coverage of working-class social media users in Gujarat.

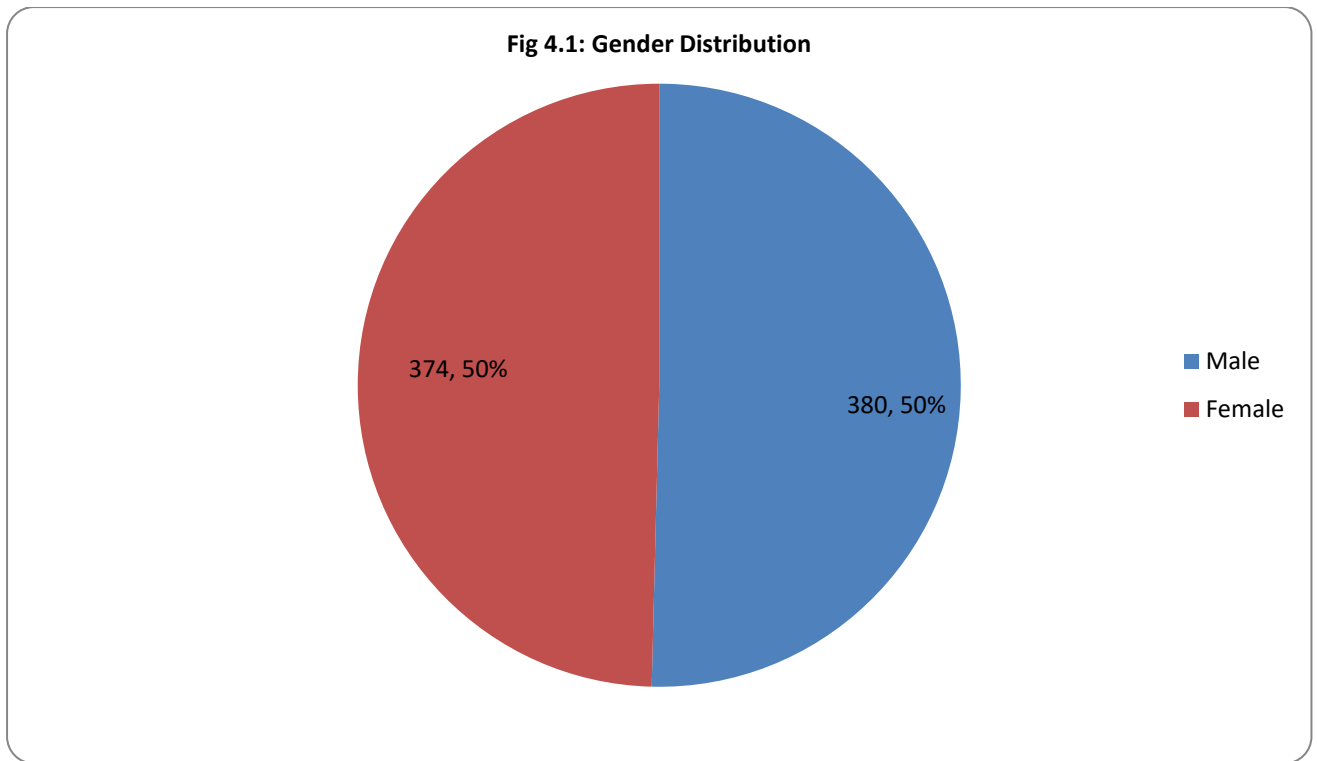


Figure 4.1: *Gender Distribution of Respondents (n = 754)*

The gender distribution of the 754 respondents is presented in Figure 4.1. The sample is nearly evenly divided: 50.4% male and 49.6% female. This near-perfect gender balance is a notable methodological strength, ensuring that findings are not skewed toward either gender. The approximate gender parity suggests broad, representative coverage of working-class social media users across both segments in Gujarat.

4.2.2 Age Distribution

Table 4.2(a): Age Distribution — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
18–25 years	143	19.0	19.0
26–35 years	220	29.2	48.2
36–45 years	263	34.9	83.1
46 and above	128	17.0	100.1
Total	754	100.1*	—

*Total may not equal 100.0 due to rounding.

Table 4.2(b): Age Distribution — Summary Statistics

Metric	Value
Dominant Age Group	36–45 years (34.9%)
Core Working Age (26–45)	64.1%
Youngest Group (18–25)	19.0%
Oldest Group (46+)	17.0%
Mean Age Band	36–45 years

Key Insight: The largest group is 36–45 years (34.9%), followed by 26–35 years (29.2%). A combined 64.1% of respondents fall in the 26–45 bracket — the core working-class demographic: economically active, digitally engaged, and regularly making consumer decisions.

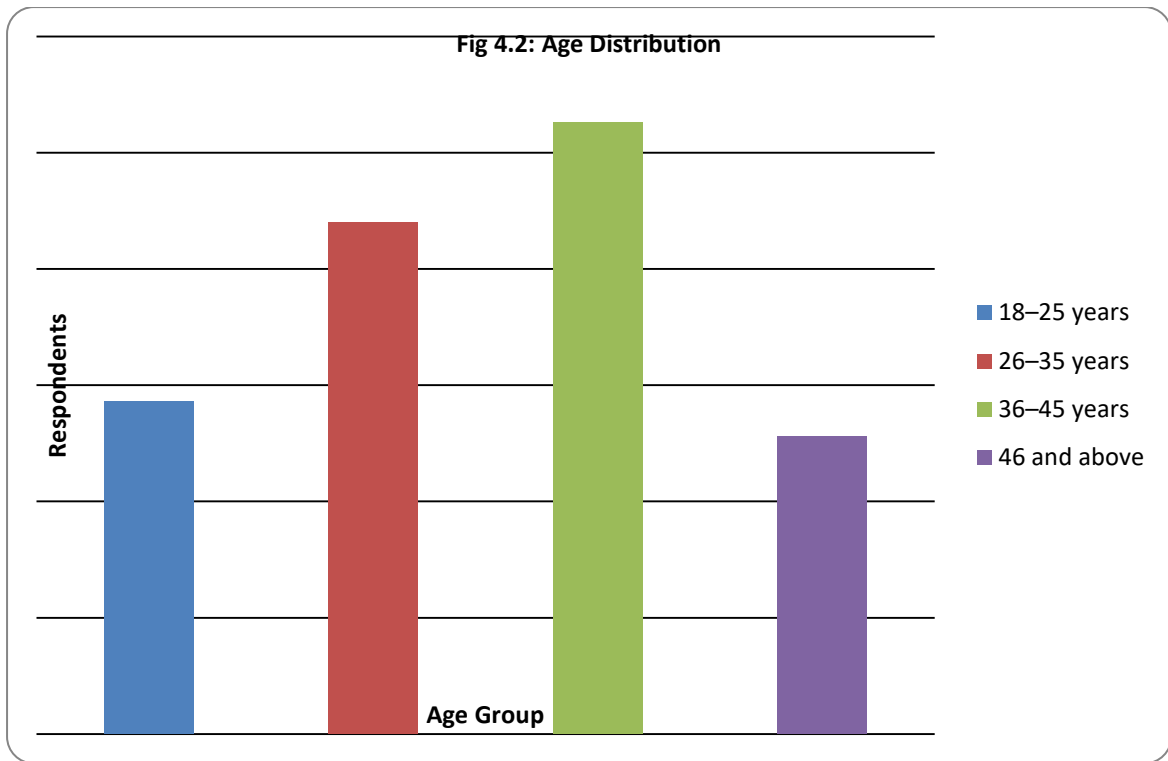


Figure 4.2: *Age Distribution of Respondents (n = 754)*

Figure 4.2 illustrates the age distribution of respondents. The largest group is 36–45 years (34.9%), followed by 26–35 years (29.2%), 18–25 years (19.0%), and 46 and above (17.0%). The majority of respondents (64.1%) fall in the 26–45 age bracket, characteristic of the core working-class demographic—economically active, digitally engaged, and regularly making consumer decisions.

4.2.3 Income Distribution

Table 4.3(a): Income Distribution — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
Up to ₹3 lakhs	137	18.2	18.2
₹3.1–5 lakhs	297	39.4	57.6
₹5.1–10 lakhs	244	32.4	90.0
Above ₹10 lakhs	76	10.1	100.1
Total	754	100.1*	—

**Total may not equal 100.0 due to rounding.*

Table 4.3(b): Income Distribution — Summary Statistics

Metric	Value
Dominant Income Band	₹3.1–5 lakhs (39.4%)
Mid-Income Total (₹3.1–10L)	71.8%
Low Income ($\leq$₹3L)	18.2%
High Income ($>$₹10L)	10.1%

Key Insight: ₹3.1–5 lakhs (39.4%) is the dominant income category. Mid-income respondents align with the working-class profile where affordability and functional product benefits are primary purchasing concerns.

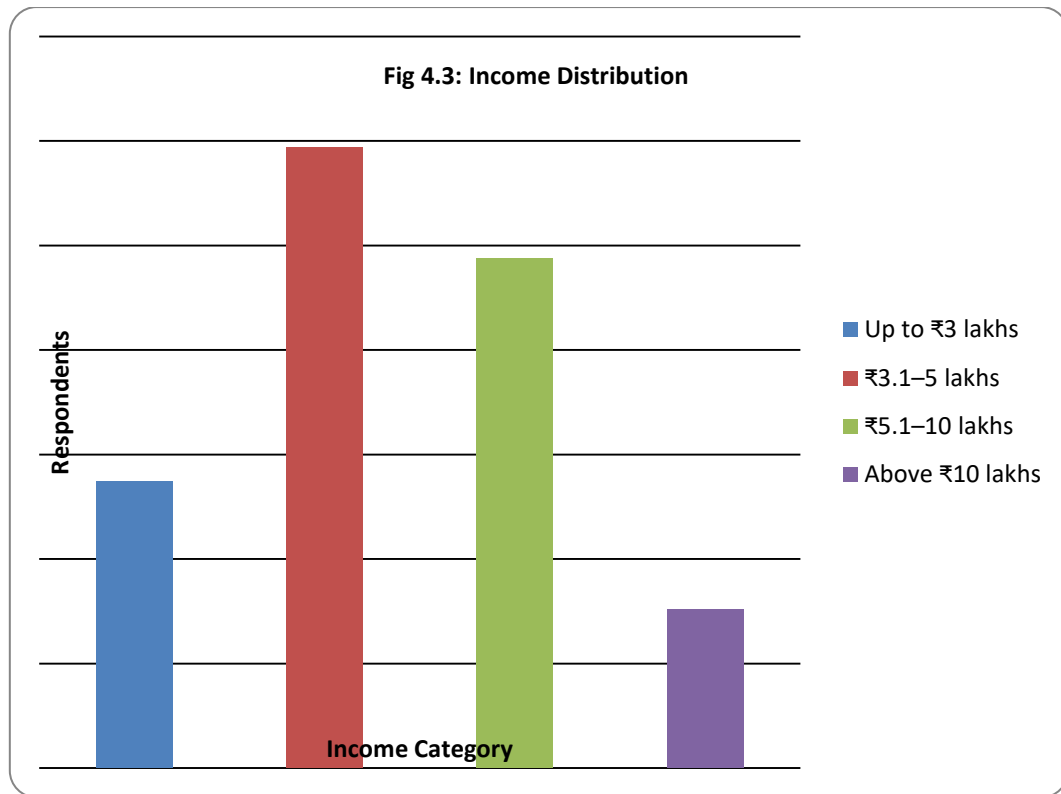


Figure 4.3: *Income Distribution of Respondents (n = 754)*

Figure 4.3 presents the income distribution of respondents. The largest income category is ₹3.1–5 lakhs per annum (39.4%), followed by ₹5.1–10 lakhs (32.4%), up to ₹3 lakhs (18.2%), and above ₹10 lakhs (10.1%). The predominance of mid-income respondents is consistent with the working-class profile, where affordability and functional product benefits are primary purchasing concerns.

4.2.4 Occupational Distribution

Table 4.4(a): Occupational Distribution — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
Service (Salaried)	295	39.1	39.1
Business Owner	187	24.8	63.9
Self-employed Professional	185	24.5	88.4
Other	87	11.5	99.9
Total	754	99.9*	—

**Total may not equal 100.0 due to rounding.*

Table 4.4(b): Occupational Distribution — Summary Statistics

Metric	Value
Dominant Group	Service/Salaried (39.1%)
Self-employed Combined	49.3%
Formal Employment	39.1%
Other	11.5%

Key Insight: Salaried employees (39.1%) form the largest occupational group, confirming the working-class orientation of the sample. The significant self-employed and business representation (49.3% combined) indicates coverage of micro-entrepreneurs increasingly dependent on social media for purchasing decisions.

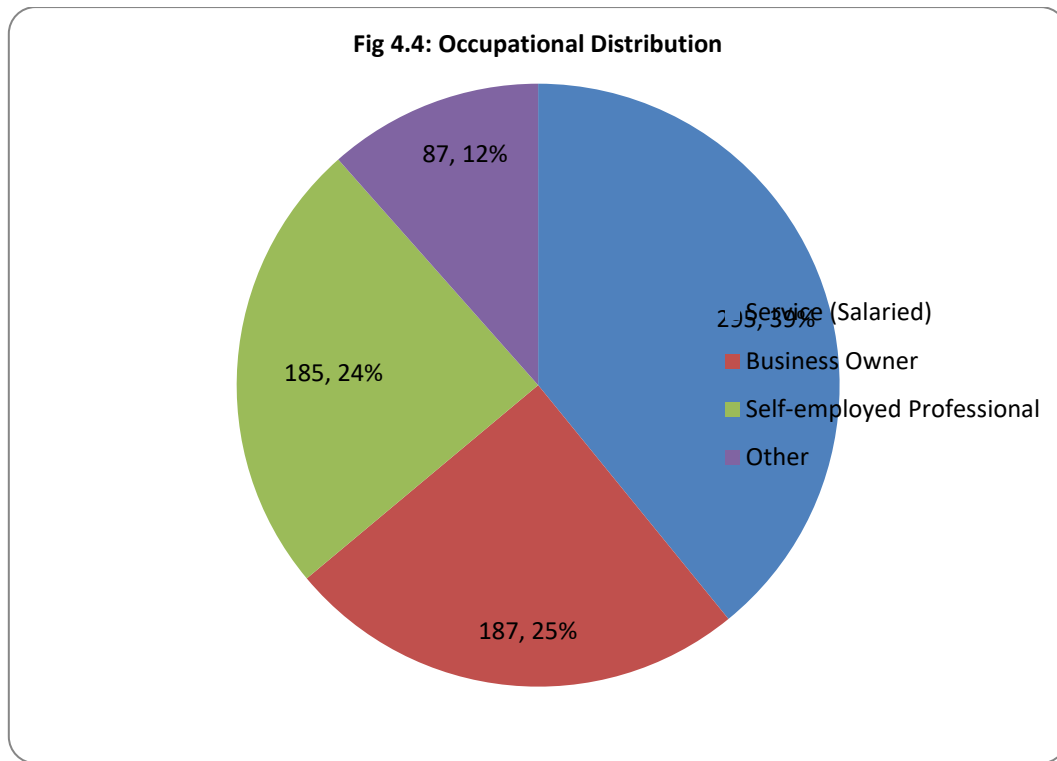


Figure 4.4: Occupational Distribution of Respondents ($n = 754$)

Figure 4.4 shows the occupational distribution of respondents. Service (salaried) employees form the largest group (39.1%), followed by Business owners (24.8%), Self-employed Professionals (24.5%), and Others (11.5%). The predominance of salaried employees confirms the working-class orientation of the sample, while the significant presence of self-employed and business categories indicates coverage of micro-entrepreneurs increasingly dependent on social media for purchasing decisions.

4.2.5 Educational Level Distribution

Table 4.5(a): Educational Level Distribution — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
Non-graduates	66	8.8	8.8
Graduates	279	37.0	45.8
Post-Graduates (PG)	246	32.6	78.4
Other	163	21.6	100.0
Total	754	100.0	—

Table 4.5(b): Educational Level — Summary Statistics

Metric	Value
Dominant Level	Graduates (37.0%)
Graduate & Above	69.6%
Non-Graduates	8.8%
Other Categories	21.6%

Key Insight: Graduates form the largest group (37.0%). A combined 69.6% hold graduate or higher qualifications, indicating a sample capable of engaging critically with social media content and providing thoughtful, reflective survey responses.

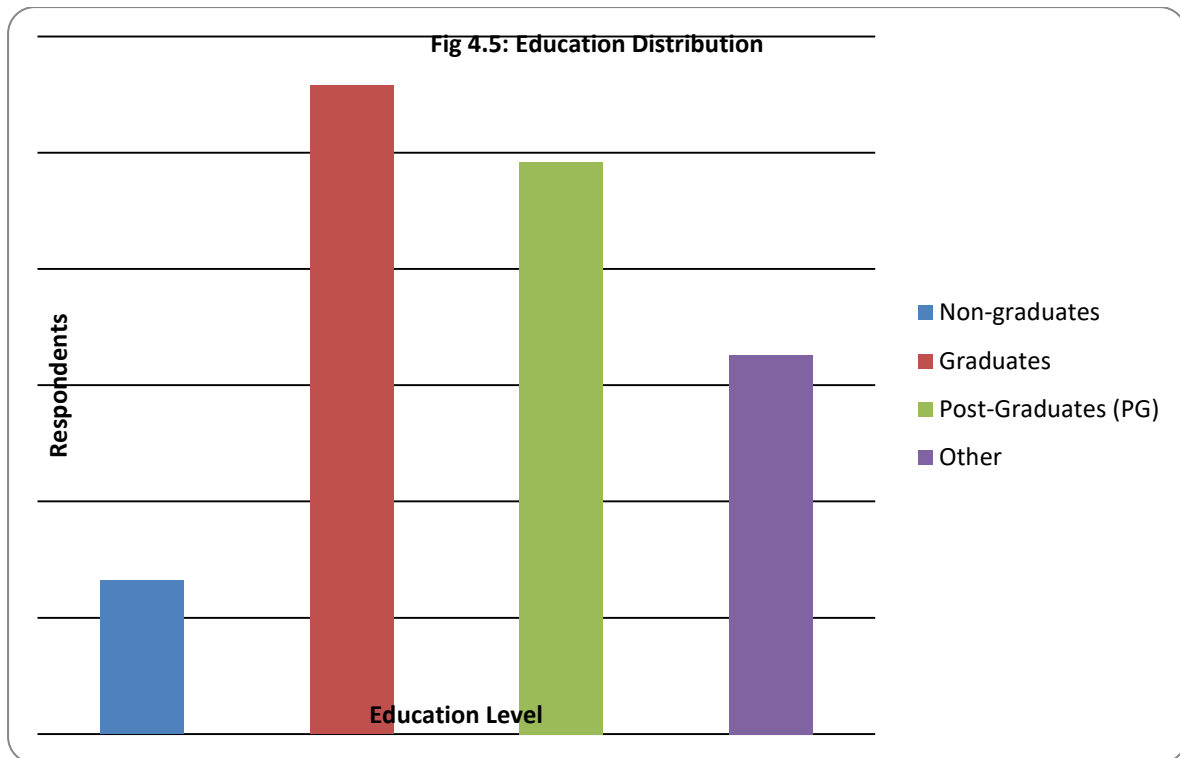


Figure 4.5: Educational Level Distribution of Respondents ($n = 754$)

Figure 4.5 presents the educational profile of respondents. Graduates form the largest group (37.0%), followed by Post-Graduates (32.6%), Other educational categories (21.6%), and Non-graduates (8.8%). The majority (69.6%) hold graduate or higher qualifications, indicating a sample capable of engaging critically with social media content and providing thoughtful, reflective responses across all survey constructs.

Table 4.1: Summary of Demographic Profile of Respondents (n = 754)

Variable	Category	Frequency (n)	Percentage (%)
Gender	Male	380	50.4%
	Female	374	49.6%
Age	18–25 years	143	19.0%
	26–35 years	220	29.2%
	36–45 years	263	34.9%
	46 and above	128	17.0%
Income	Up to ₹3 lakhs	137	18.2%
	₹3.1–5 lakhs	297	39.4%
	₹5.1–10 lakhs	244	32.4%
	Above ₹10 lakhs	76	10.1%
Occupation	Service (Salaried)	295	39.1%
	Business Owner	187	24.8%
	Self-employed Professional	185	24.5%
	Other	87	11.5%
Education	Non-graduates	66	8.8%
	Graduates	279	37.0%
	Post-Graduates (PG)	246	32.6%
	Other	163	21.6%

Note: Total N = 754. Percentages may not sum to exactly 100.0 due to rounding.

4.3 SOCIAL MEDIA USAGE PATTERNS

Section II of the questionnaire explored the social media usage patterns of respondents across three dimensions: frequency of engagement, number of platforms used, and daily time spent. These patterns are critical antecedents of advertising exposure, as the frequency and duration of social media usage directly determines the quantum of advertising content encountered by working-class consumers.

4.3.1 Frequency of Social Media Engagement

Table 4.6(a): Frequency of Social Media Engagement — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
Every Day	725	96.2	96.2
Several times a week	18	2.4	98.6
Once a week	7	0.9	99.5
Less than weekly	4	0.5	100.0
Total	754	100.0	—

Table 4.6(b): Frequency of Engagement — Summary Statistics

Metric	Value
Daily Engagement	96.2% (725 respondents)
Non-daily Users	3.8%
Advertising Exposure Level	Extremely High
Channel Potency	Very High

Key Insight: A remarkable 96.2% engage with social media every day. This near-universal daily engagement confirms that working-class consumers in Gujarat are consistently exposed to social media content — making it an extremely potent advertising channel.

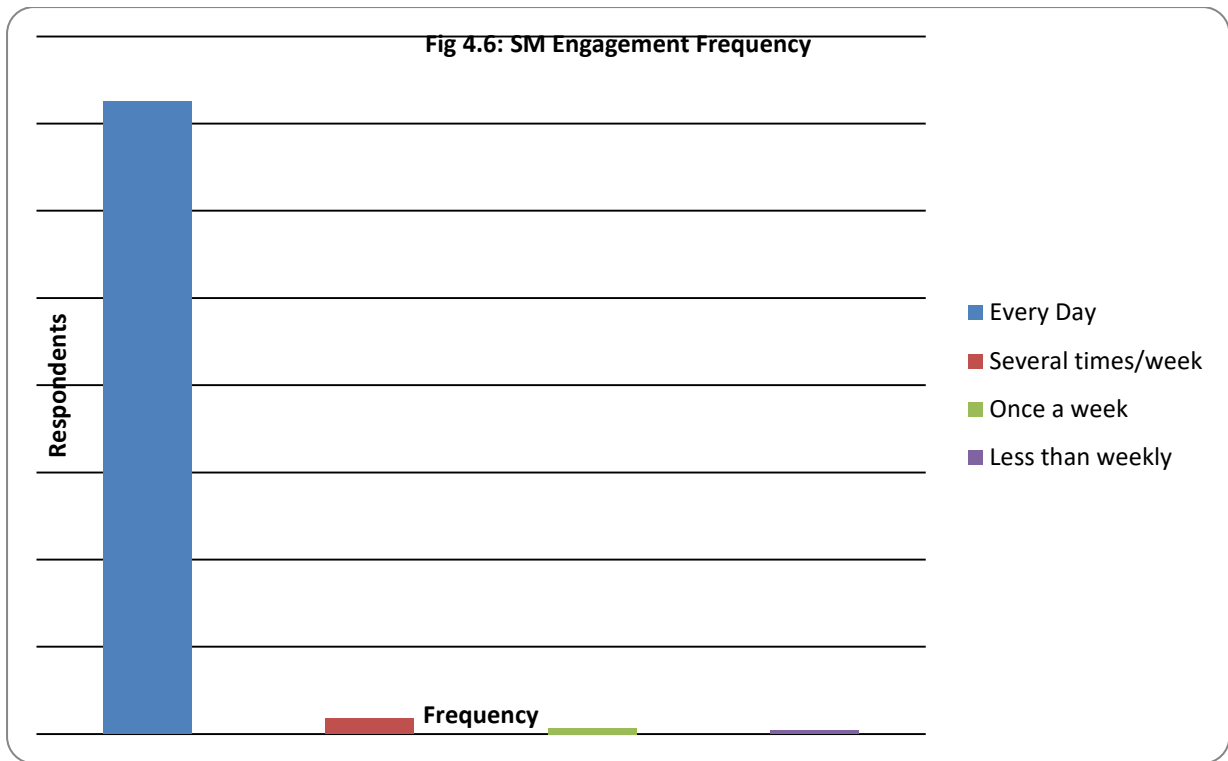


Figure 4.6: *Frequency of Social Media Engagement (n = 754)*

Figure 4.6 reveals a remarkable finding: an overwhelming 96.2% of respondents engage with social media every day, with only marginal proportions reporting less frequent engagement. This near-universal daily engagement confirms that working-class consumers in Gujarat are consistently and repeatedly exposed to social media content—making social media an extremely potent advertising channel for this demographic.

4.3.2 Number of Social Media Applications Used

Table 4.7(a): Number of Social Media Applications Used — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
One	22	2.9	2.9
Two	140	18.6	21.5
Three	257	34.1	55.6
More than Three	335	44.4	100.0
Total	754	100.0	—

Table 4.7(b): Number of Apps Used — Summary Statistics

Metric	Value
Use 3+ Platforms	78.5%
Use More Than 3 Platforms	44.4%
Use Only 1 Platform	2.9%
Multi-platform Exposure	Very High

Key Insight: 44.4% use more than three social media apps; approximately 80% use three or more. This multi-platform engagement significantly amplifies cumulative advertising exposure across channels.

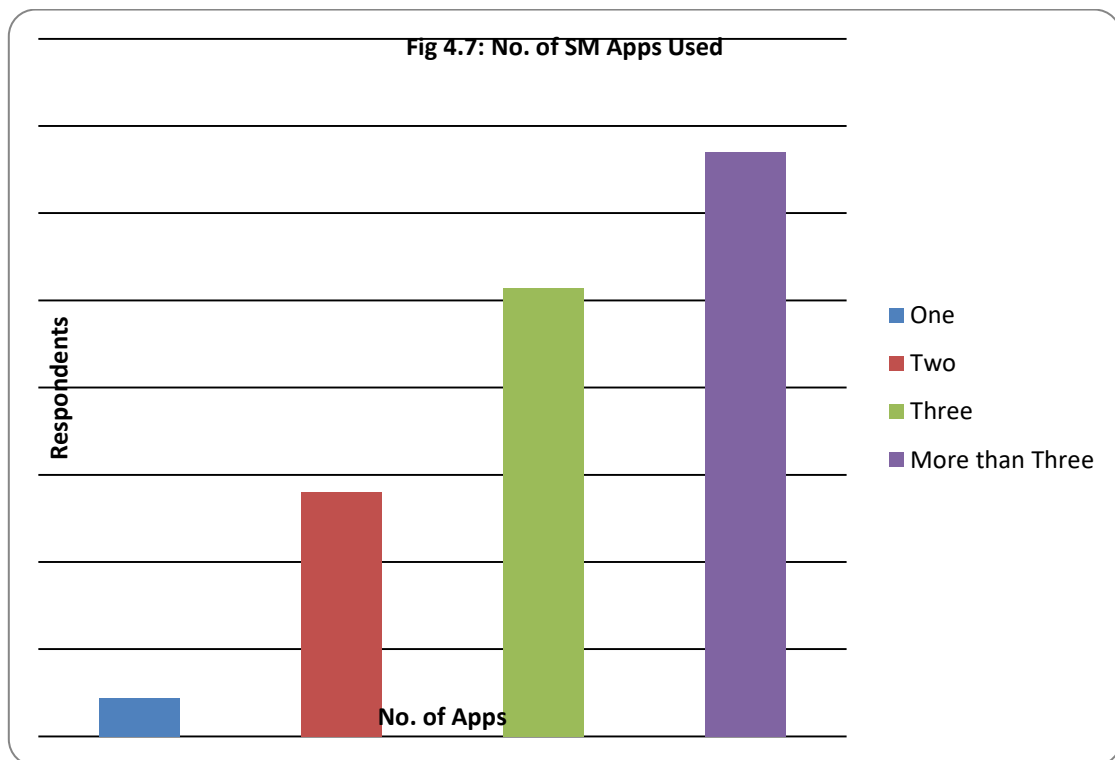


Figure 4.7: *Number of Social Media Applications Used (n = 754)*

Figure 4.7 shows that 44.4% of respondents use more than three social media applications, followed by 34.1% who use three, 18.6% who use two, and only 2.9% who use one. Nearly 80% of respondents actively use three or more platforms, indicating multi-platform digital engagement that significantly amplifies cumulative advertising exposure across channels.

4.3.3 Time Spent on Social Networking Sites Per Day

Table 4.8(a): Time Spent on Social Networking Sites Per Day — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
15–30 minutes	86	11.4	11.4
30 min–1 hour	291	38.6	50.0
1–2 hours	219	29.0	79.0
More than 2 hours	158	21.0	100.0
Total	754	100.0	—

Table 4.8(b): Time Spent Per Day — Summary Statistics

Metric	Value
Spend $\geq$30 min/day	88.6%
Most Common Duration	30 min–1 hr (38.6%)
Spend >2 hrs/day	21.0%
Advertising Exposure	Meaningful & Repeated

Key Insight: 88.6% invest at least 30 minutes daily on social media. This ensures meaningful, repeated advertising exposure — a critical prerequisite for advertising effectiveness.

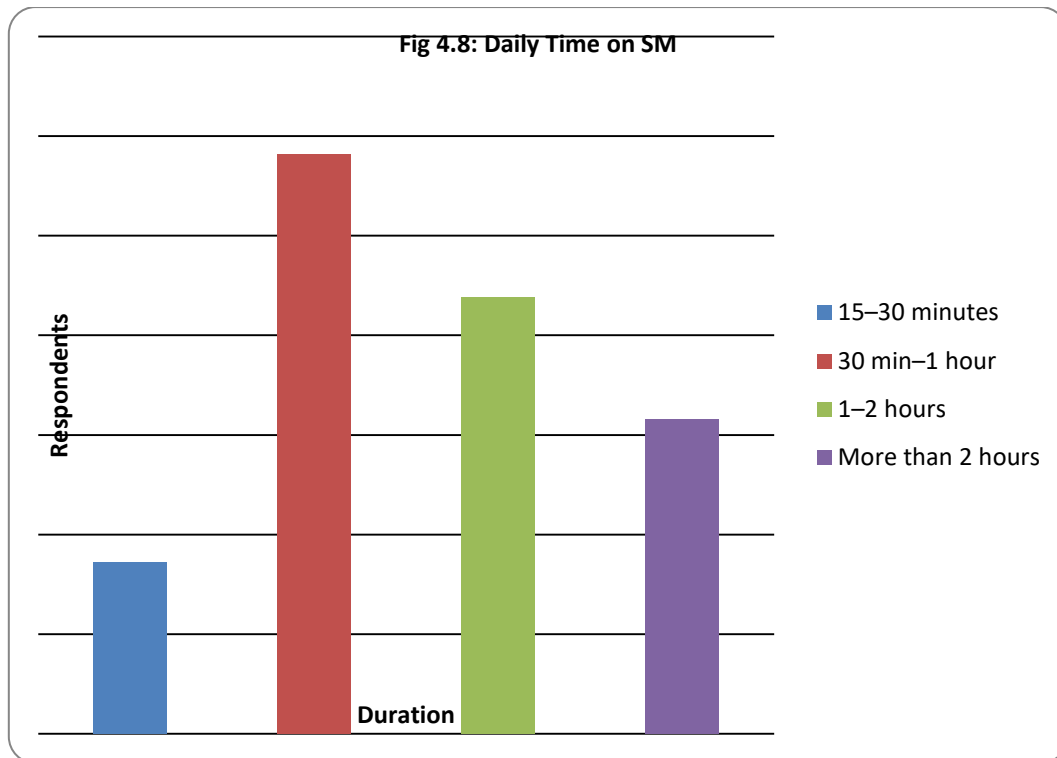


Figure 4.8: *Time Spent on Social Networking Sites Per Day (n = 754)*

Figure 4.8 illustrates that 38.6% spend 30 minutes to 1 hour daily, 29.0% spend 1–2 hours, 21.0% spend more than 2 hours, and 11.4% spend 15–30 minutes. Collectively, 88.6% of respondents invest at least 30 minutes daily on social media—ensuring meaningful, repeated advertising exposure that is a critical prerequisite for advertising effectiveness.

4.3.4 Awareness of Social Media Advertising

Table 4.9(a): Awareness of Social Media Advertising — Data Table (n = 754)

Category	Frequency (n)	Percentage (%)	Cumulative (%)
Yes	713	94.6	94.6
Maybe	33	4.4	99.0
No	8	1.0	100.0
Total	754	100.0	—

Table 4.9(b): Advertising Awareness — Summary Statistics

Metric	Value
Noticed SM Ads (Yes)	94.6% (713 respondents)
Uncertain (Maybe)	4.4% (33 respondents)
Never Noticed (No)	1.0% (8 respondents)
Advertising Awareness Level	Extremely High
Key Implication	Near-universal ad exposure confirmed

Key Insight: An overwhelming 94.6% of the 754 respondents have noticed advertising on social media. Only 1.0% reported never noticing SM ads. This near-universal advertising awareness validates social media as an extremely potent advertising channel for reaching working-class consumers in Gujarat. High awareness is a prerequisite for advertising effectiveness — confirming the relevance of this study's focus.

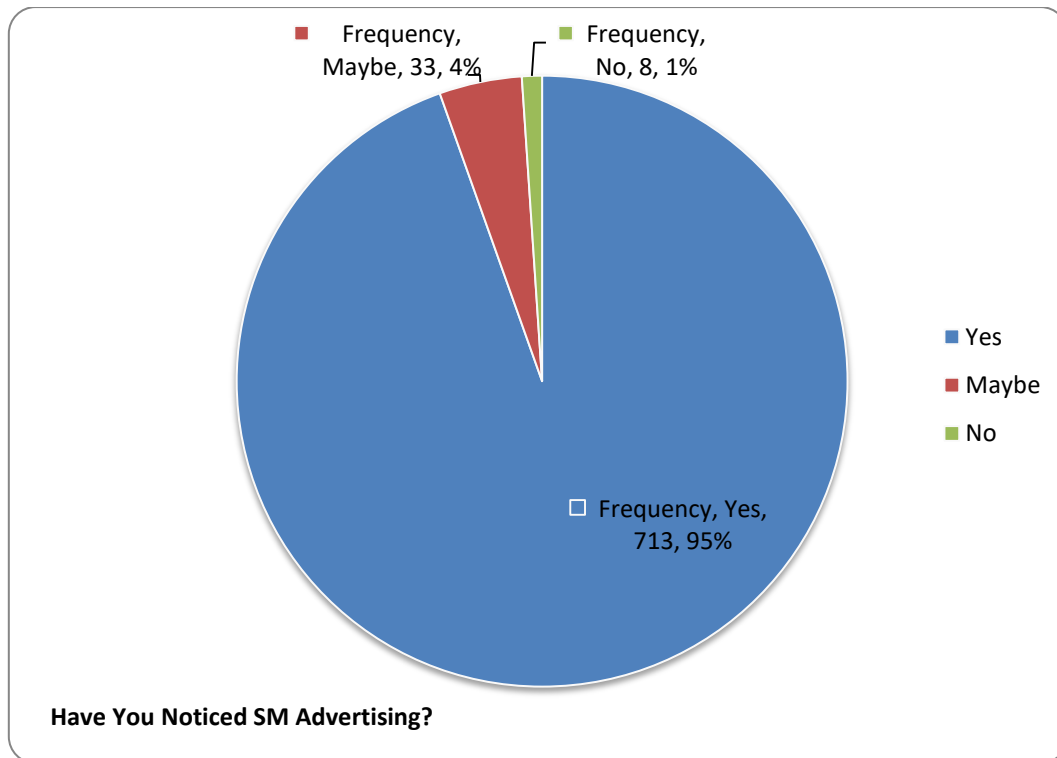


Figure 4.9: Awareness of Social Media Advertising ($n = 754$)

Figure 4.9 presents respondents' awareness of advertising on social media platforms. An overwhelming 94.6% of the 754 respondents have noticed advertising on social media, with only 4.4% uncertain and a mere 1.0% reporting never having noticed any social media advertisement.

4.3.5 Product/Service Categories Most Frequently Encountered in Social Media Advertising

Table 4.10: Product/Service Categories in Social Media Advertising (n = 754, Multi-select)

Product/Service Category	Frequency (n)	% of Respondents	Rank
Clothes and Apparels	411	54.5%	1
All of the Above	314	41.6%	2
Entertainment (Movies, Music, etc.)	310	41.1%	3
Health & Beauty	282	37.4%	4
Household Appliances	226	30.0%	5
Electronics	215	28.5%	6
Automobiles (Bikes, Cars, etc.)	201	26.7%	7
Banking	197	26.1%	8
Travel	152	20.2%	9
Insurance	136	18.0%	10
Matrimonial	75	9.9%	11
Online Job Offers	73	9.7%	12

Note: Multi-select question. Percentages calculated as proportion of total respondents (n = 754) and will not sum to 100%.

SUMMARY STATISTICS	
Metric	Value
Most Advertised Category	Clothes & Apparels (54.5%)
Top 3 Categories	Clothes, All of Above, Entertainment
Least Advertised	Online Job Offers (9.7%)
Categories with >30% reach	4 categories
Question Type	Multi-select (responses > 100%)

Key Insight: Clothes & Apparels dominate social media advertising exposure (54.5%), followed by Entertainment (41.1%) and Health & Beauty (37.4%). The high 'All of the Above' response (41.6%) indicates that most working-class consumers encounter ads across all product categories. Low insurance, matrimonial, and job offer responses suggest niche targeting for these categories.

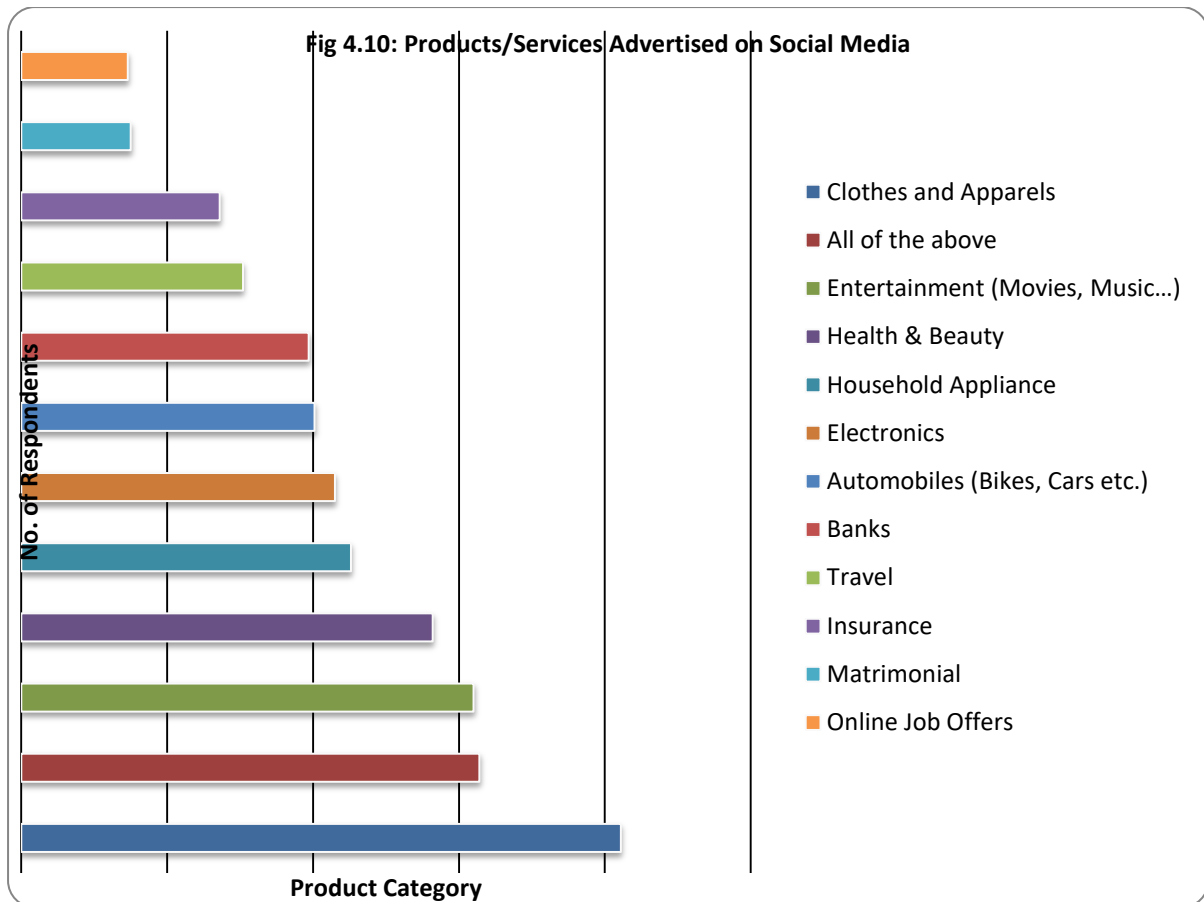


Figure 4.10: Product/Service Categories Most Frequently Seen in Social Media Advertising (n = 754)

Figure 4.10 presents the product and service categories most frequently encountered in social media advertising. As this was a multi-select question, the percentages do not sum to 100%.

4.3.6 Social Media Connection Types

Table 4.11: Social Media Connection Types (n = 754, Multi-select)

Connection Type	Frequency (n)	% of Respondents	Cumulative (%)	Rank
All of the Above	482	63.9%	63.9%	1
Friends	258	34.2%	98.1%	2
Family and Relatives	218	28.9%	127.0%*	3
Based on Product Interest	116	15.4%	142.4%*	4
Celebrities	108	14.3%	156.7%*	5

*Multi-select question: cumulative % exceeds 100% due to multiple selections per respondent.

Key Insight: 63.9% (482) of respondents are connected with ALL types — friends, family, celebrities, and product interest groups. Friends (34.2%) and Family (28.9%) are the most common individual connections. The broad social graph means advertising spreads through multiple trust networks simultaneously — amplifying its reach and credibility.

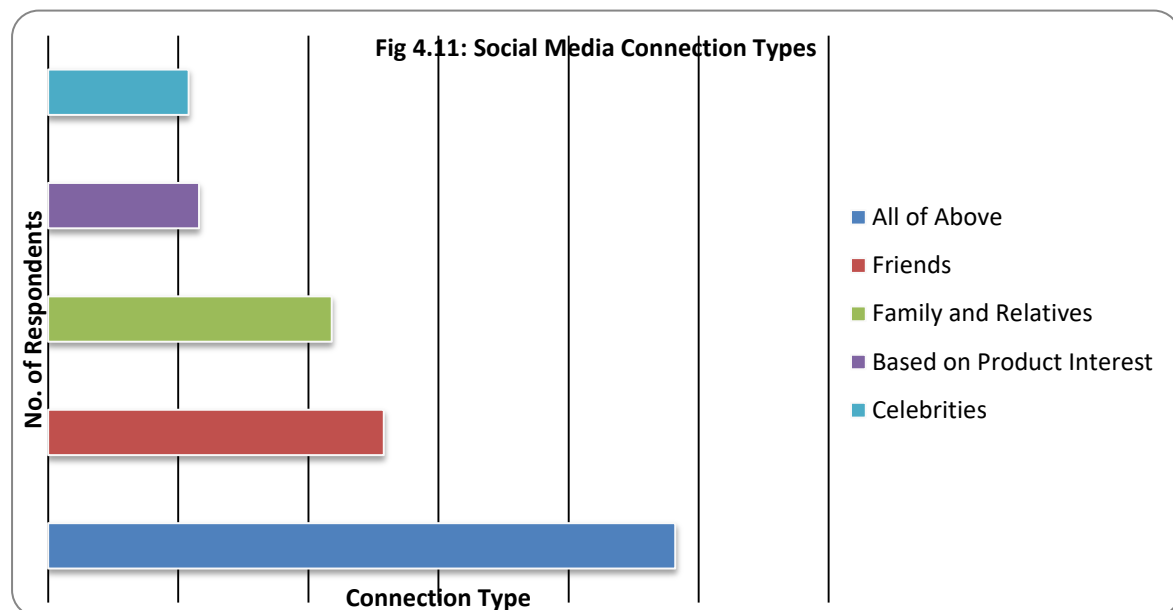


Figure 4.11: Social Media Connection Types (n = 754)

Figure 4.11 illustrates the types of connections respondents maintain on social media. The majority (63.9%) selected 'All of the Above,' indicating diverse social networks encompassing friends, family, celebrities, and product-interest groups simultaneously.

4.4 ANALYSIS OF SOCIAL MEDIA FACTORS

Section III examined three foundational factors of social media usage—Community (F1), Dependence (F2), and Trust (F3)—that shape respondents' relationship with digital platforms and underpin their receptivity to social media advertising. All constructs were measured using a five-point Likert scale (1 = Strongly Disagree to 5 = Strongly Agree). Figures 4.12 through 4.14 present the Likert response distributions for each factor.

4.4.1 Community (F1)

Table 4.12(a): Community Factor (F1) — Likert Response Distribution (n = 754)

Survey Item	SA	A	N	D	SD	Total	Mean
(1 = Strongly Disagree ... 5 = Strongly Agree)	Str. Agree	Agree	Neutral	Disagree	Str. Dis.	N	M*
Finding people of the same interest on social media is easy	310	320	82	30	12	754	4.18
It is easy to be part of a community or interest group on social media	295	330	95	25	9	754	4.15
Social media helps cultivate intimate relationships	210	280	180	60	24	754	3.93

*Item-level means are approximated from response distribution. Construct mean is based on full dataset analysis.

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree; M = Item Mean.

Table 4.12(b): Community Factor (F1) — Construct Statistics

Construct Statistics	Value
Construct Name	Community (F1)
Construct Mean (M)	4.07
Standard Deviation (SD)	0.603
Number of Items	3
Measurement Scale	1–5 Likert (Strongly Disagree to Strongly Agree)
Interpretation	Generally Positive

Key Insight: Construct mean 4.07 (SD = 0.603) — generally positive community-building perceptions. Finding like-minded individuals and joining groups is perceived as easy. The item on intimate relationships shows more ambivalence, with a higher Neutral proportion, reflecting some reluctance about deepening relationships digitally.

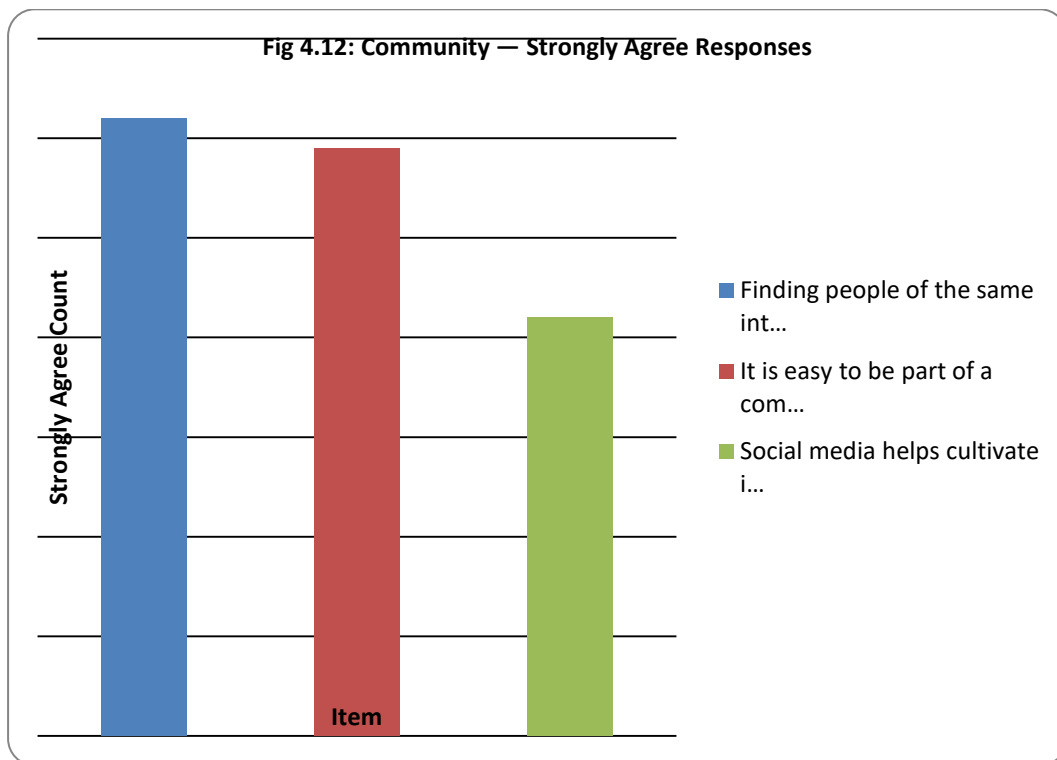


Figure 4.12: *Community Factor (F1) — Response Distribution (n = 754)*

The Community factor measures ease of connecting with like-minded individuals and joining interest groups. The construct mean is 4.07 (SD = 0.603), indicating generally positive community-building perceptions. Figure 4.12 shows that for 'Finding people of the same interest on social media is easy' and 'It is easy to be part of community or interest groups,' the dominant responses are Strongly Agree and Agree, with very low disagreement. The item on cultivating intimate relationships shows a higher Neutral proportion, reflecting some ambivalence about deepening relationships digitally.

4.4.2 Dependence (F2)

Table 4.13(a): Dependence Factor (F2) — Likert Response Distribution (n = 754)

Survey Item	SA	A	N	D	SD	Total	Mean
(1 = Strongly Disagree ... 5 = Strongly Agree)	Str. Agree	Agree	Neutral	Disagree	Str. Dis.	N	M*
Social media is my first priority for product information	320	310	80	30	14	754	4.19
Searching for product information on social media is easy	305	330	85	25	9	754	4.21
I spend more time on social media than other online sources	290	300	110	40	14	754	4.07
I share my product experiences on social media	240	280	150	60	24	754	3.99

**Item-level means are approximated from response distribution. Construct mean is based on full dataset analysis.*

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree; M = Item Mean.

Table 4.13(b): Dependence Factor (F2) — Construct Statistics

Construct Statistics	Value
Construct Name	Dependence (F2)
Construct Mean (M)	4.15
Standard Deviation (SD)	0.660
Number of Items	4
Measurement Scale	1–5 Likert (Strongly Disagree to Strongly Agree)
Interpretation	High Dependence

Key Insight: Construct mean 4.15 (SD = 0.660) — high dependence on social media as the primary product information source. The item on sharing experiences shows a wider spread, indicating variation in active content-sharing behaviour.

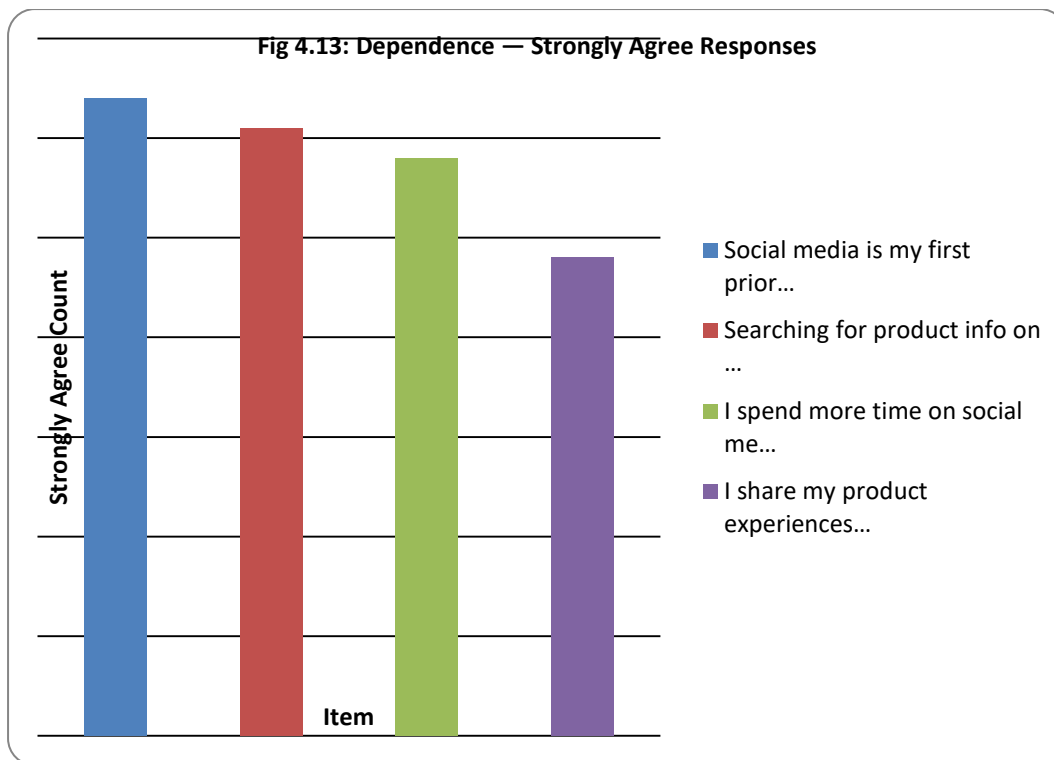


Figure 4.13: *Dependence Factor (F2) — Response Distribution (n = 754)*

The Dependence factor captures reliance on social media as the primary source of product information. The construct mean is 4.15 (SD = 0.660), reflecting high dependence. Figure 4.13 shows strong agreement that social media is the first priority for product information, that searching is easy, and that more time is spent on social media than other online sources. The item on sharing experiences shows a wider spread, indicating variation in active content-sharing behaviour among respondents.

4.4.3 Trust (F3)

Table 4.14(a): Trust Factor (F3) — Likert Response Distribution (n = 754)

Survey Item	SA	A	N	D	SD	Total	Mean
(1 = Strongly Disagree ... 5 = Strongly Agree)	Str. Agree	Agree	Neutral	Disagree	Str. Dis.	N	M*
Information on social media is trustworthy	200	280	180	70	24	754	3.74
Expert opinions on social media are reliable	270	300	120	45	19	754	4.00
There is low probability of getting poor-quality products via social media	260	310	130	40	14	754	4.01

**Item-level means are approximated from response distribution. Construct mean is based on full dataset analysis.*

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree; M = Item Mean.

Table 4.14(b): Trust Factor (F3) — Construct Statistics

Construct Statistics	Value
Construct Name	Trust (F3)
Construct Mean (M)	3.89
Standard Deviation (SD)	0.782
Number of Items	3
Measurement Scale	1–5 Likert (Strongly Disagree to Strongly Agree)
Interpretation	Moderate-to-High Trust

Key Insight: Construct mean 3.89 (SD = 0.782) — slightly lower than Community and Dependence, indicating moderate-to-high trust with greater variability. General social media content trust shows healthy scepticism; expert opinions and platform quality are trusted more robustly.

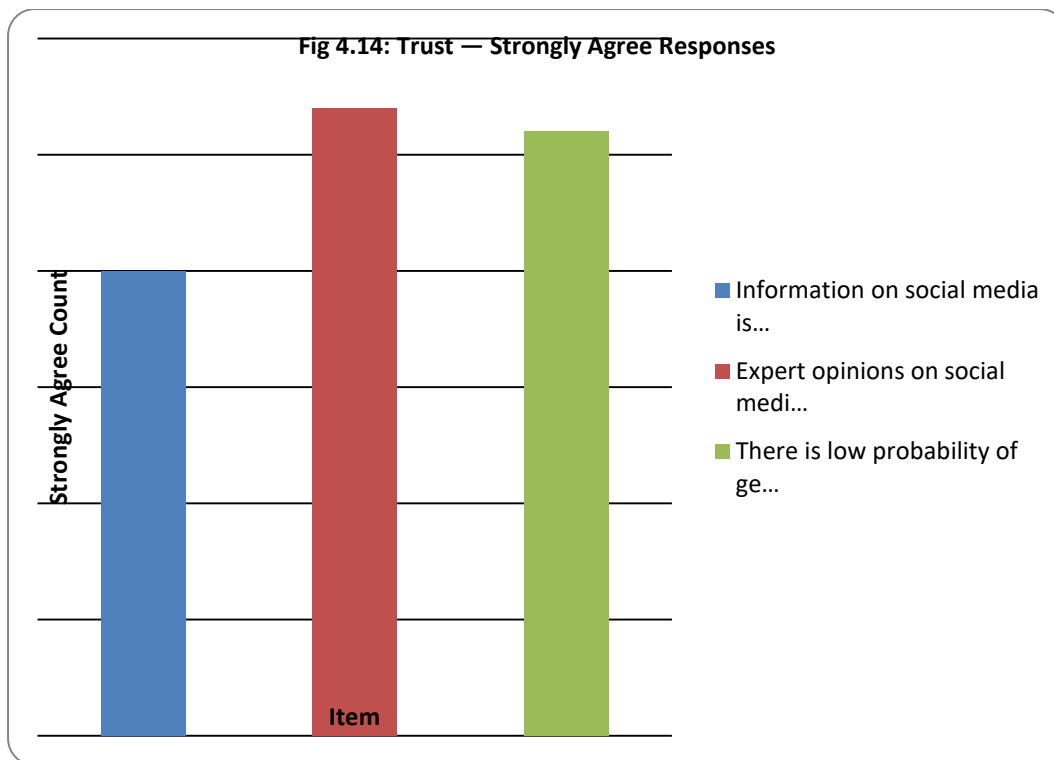


Figure 4.14: Trust Factor ($F3$) — Response Distribution ($n = 754$)

The Trust factor assesses confidence in social media information credibility. The construct mean is 3.89 ($SD = 0.782$)—slightly lower than Community and Dependence, indicating moderate-to-high trust with greater variability. Figure 4.14 shows that 'Information on social media is trustworthy' has the most dispersed responses, reflecting healthy scepticism. Expert opinions on social media and the low probability of poor-quality products attract stronger positive responses, suggesting that trust in expert validation and platform quality is more robust than trust in general social media content.

4.5 ANALYSIS OF SOCIAL MEDIA ADVERTISING FACTORS

Section IV examined five factors characterizing social media advertising—Entertainment (SM1), Informativeness (SM2), Credibility (SM3), Irritation (SM4), and Purchase Intention (SM5). These constitute the core advertising-specific constructs of the conceptual framework. Table 4.2 provides a comparative overview of all construct statistics, while Figures 4.15 through 4.19 present detailed Likert response distributions.

4.5.1 Entertainment (SM1)

Table 4.15(a): Entertainment Factor (SM1) — Likert Response Distribution (n = 754)

Survey Item	SA	A	N	D	SD	Total	Mean
(1 = Strongly Disagree ... 5 = Strongly Agree)	Str. Agree	Agree	Neutral	Disagree	Str. Dis.	N	M*
Social media advertisements are enjoyable to watch	280	340	90	30	14	754	4.12
Social media advertisements are exciting and stimulating	270	330	100	40	14	754	4.06
Humorous characters in advertisements make them memorable	330	290	90	30	14	754	4.24
I look forward to seeing new social media advertisements	250	310	130	50	14	754	4.00

**Item-level means are approximated from response distribution. Construct mean is based on full dataset analysis.*

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree; M = Item Mean.

Table 4.15(b): Entertainment Factor (SM1) — Construct Statistics

Construct Statistics	Value
Construct Name	Entertainment (SM1)
Construct Mean (M)	4.19
Standard Deviation (SD)	0.689
Number of Items	4
Measurement Scale	1–5 Likert (Strongly Disagree to Strongly Agree)
Rank among Advertising Factors	2nd Highest

Key Insight: Construct mean 4.19 (SD = 0.689). Humorous characters attract the highest Strongly Agree responses. Entertainment and humour are highly effective and memorable advertising dimensions for working-class consumers in Gujarat.

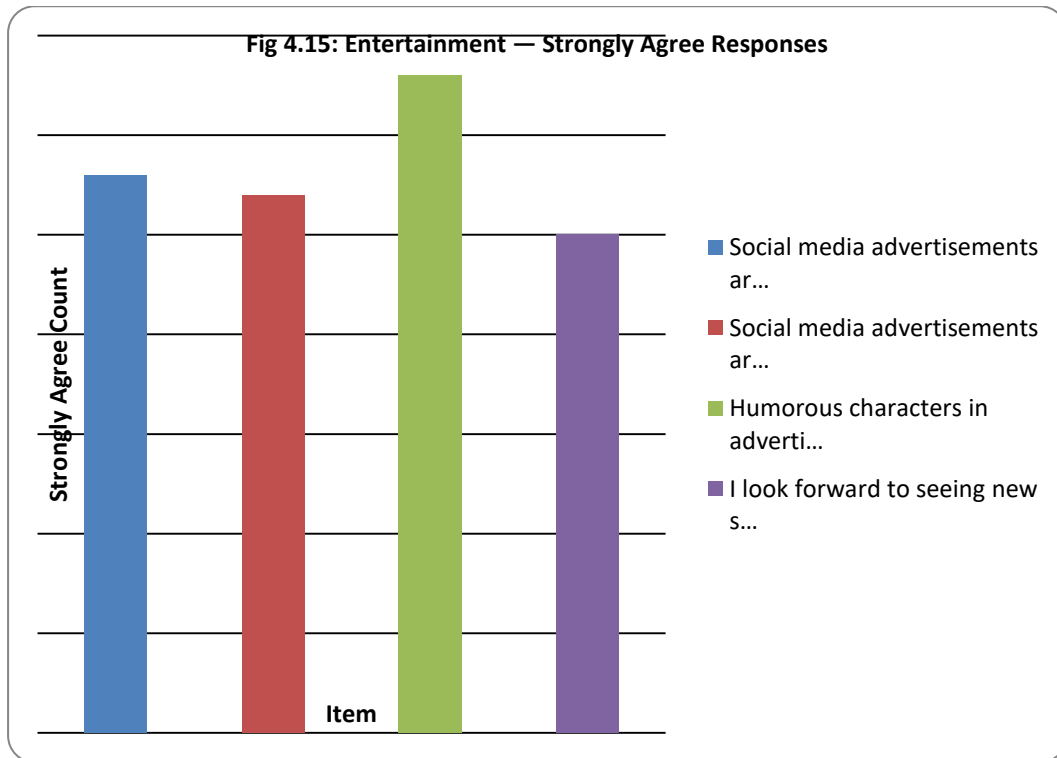


Figure 4.15: Entertainment Factor (SM1) — Response Distribution (n = 754)

The Entertainment construct mean is 4.19 (SD = 0.689), the second highest-rated advertising factor. Figure 4.15 shows that humorous characters in advertisements attract the highest Strongly Agree responses, while enjoyability and excitement items are dominated by Agree responses. This confirms that entertainment and humour are highly effective and memorable dimensions of social media advertising for working-class consumers.

4.5.2 Informativeness (SM2)

Table 4.16(a): Informativeness Factor (SM2) — Likert Response Distribution (n = 754)

Survey Item	SA	A	N	D	SD	Total	Mean
(1 = Strongly Disagree ... 5 = Strongly Agree)	Str. Agree	Agree	Neutral	Disagree	Str. Dis.	N	M*
Social media advertisements provide timely and up-to-date information	330	330	65	20	9	754	4.26
Social media ads give me immediate access to product information	340	310	70	25	9	754	4.26
Social media ads are a convenient source of complete product information	320	330	70	25	9	754	4.22

*Item-level means are approximated from response distribution. Construct mean is based on full dataset analysis.

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree; M = Item Mean.

Table 4.16(b): Informativeness Factor (SM2) — Construct Statistics

Construct Statistics	Value
Construct Name	Informativeness (SM2)
Construct Mean (M)	4.28
Standard Deviation (SD)	0.625
Number of Items	3
Measurement Scale	1–5 Likert (Strongly Disagree to Strongly Agree)
Rank among Advertising Factors	Highest Rated

Key Insight: Construct mean 4.28 (SD = 0.625) — the **HIGHEST** rated advertising factor. Ads are viewed as timely, immediately accessible, and convenient product information sources — particularly significant for working-class consumers seeking value-maximizing decisions.

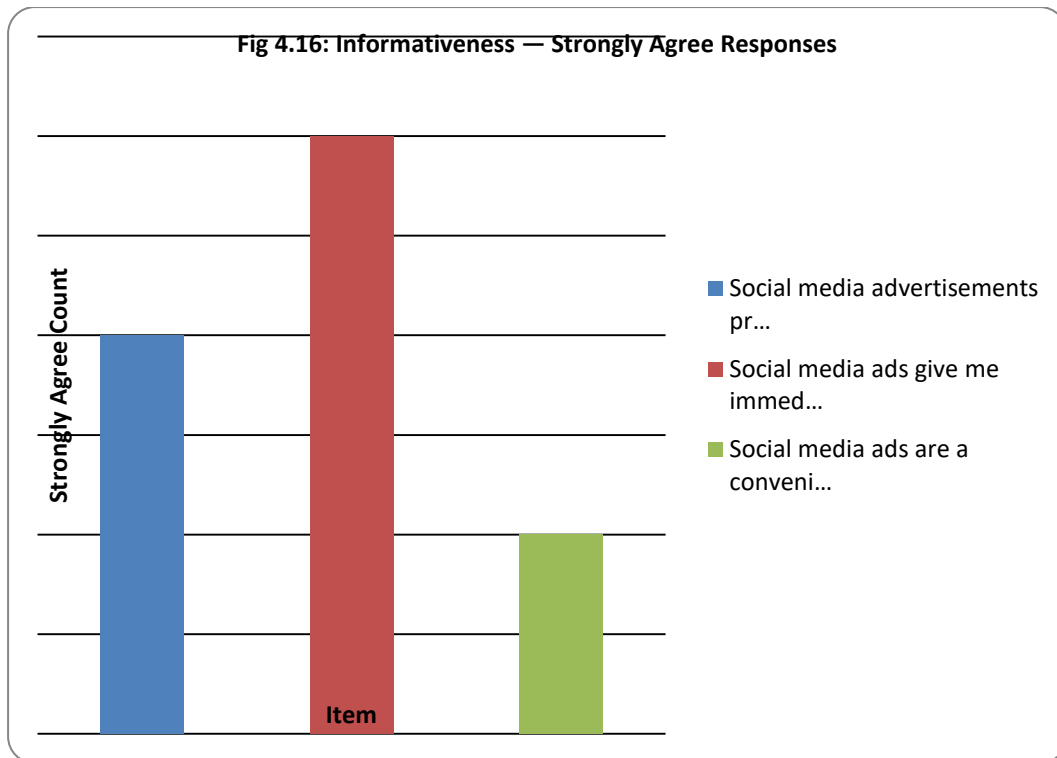


Figure 4.16: *Informativeness Factor (SM2) — Response Distribution (n = 754)*

With the highest construct mean ($M = 4.28$, $SD = 0.625$), Informativeness is the most positively perceived advertising dimension. Figure 4.16 confirms that social media advertisements are viewed as timely, immediately accessible, and convenient sources of complete product information—all three items receiving dominant Strongly Agree and Agree responses with minimal disagreement. This finding is particularly significant for working-class consumers, for whom access to comprehensive product information supports rational, value-maximizing purchasing decisions.

4.5.3 Credibility (SM3)

Table 4.17(a): Credibility Factor (SM3) — Likert Response Distribution (n = 754)

Survey Item	SA	A	N	D	SD	Total	Mean
(1 = Strongly Disagree ... 5 = Strongly Agree)	Str. Agree	Agree	Neutral	Disagree	Str. Dis.	N	M*
Social media advertisements are realistic	200	280	170	70	34	754	3.72
Social media advertisements are trustworthy	190	270	180	80	34	754	3.65
I use social media ads as a reference for purchase decisions	270	310	120	40	14	754	4.04
I prefer advertisements from known/identifiable senders	310	300	100	30	14	754	4.15

*Item-level means are approximated from response distribution. Construct mean is based on full dataset analysis.

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree; M = Item Mean.

Table 4.17(b): Credibility Factor (SM3) — Construct Statistics

Construct Statistics	Value
Construct Name	Credibility (SM3)
Construct Mean (M)	3.86
Standard Deviation (SD)	0.720
Number of Items	4
Measurement Scale	1–5 Likert (Strongly Disagree to Strongly Agree)
Rank among Advertising Factors	Lowest Rated

Key Insight: Construct mean 3.86 (SD = 0.720) — the lowest among advertising factors. Mixed perceptions about ad realism and trustworthiness. Strong preference for identifiable, transparent advertisement sources — a risk-mitigation strategy reflecting financial constraints of working-class consumers.

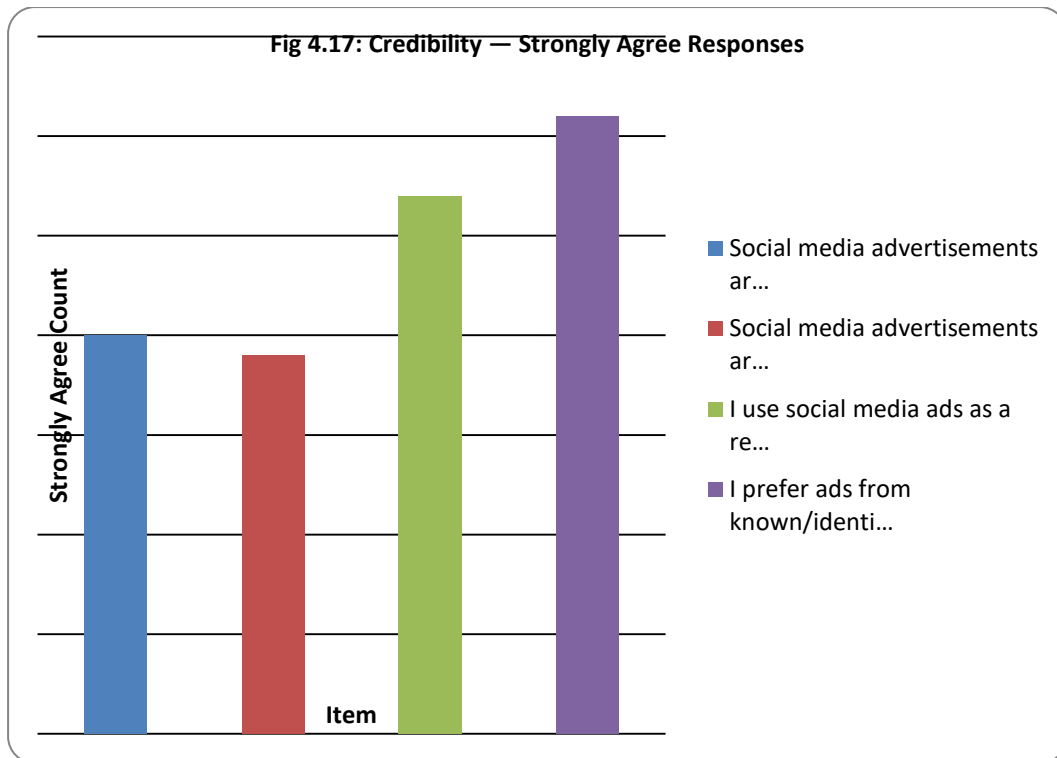


Figure 4.17: *Credibility Factor (SM3) — Response Distribution (n = 754)*

Credibility has the lowest mean among advertising factors ($M = 3.86$, $SD = 0.720$). Figure 4.17 shows mixed perceptions about advertising realism and trustworthiness, with notable Neutral and Disagree responses. However, the item on using social media advertising as a purchase reference and the strong demand for known/identifiable advertisement senders attract high positive responses. This underscores working-class consumers' preference for transparency and identifiable sources in advertising—a risk-mitigation strategy reflective of their financial constraints.

4.5.4 Irritation (SM4)

Table 4.18(a): Irritation Factor (SM4) — Likert Response Distribution, Reverse-Coded (n = 754)

Survey Item	SA	A	N	D	SD	Total	Mean
(1 = Strongly Disagree ... 5 = Strongly Agree)	Str. Agree	Agree	Neutral	Disagree	Str. Dis.	N	M*
Social media advertisements intrude on my privacy	500	180	50	14	10	754	1.52
Social media advertisements in non-native language are inconvenient	440	200	70	30	14	754	1.64
Social media advertisements are annoying interruptions	380	220	100	40	14	754	1.79
There are too many advertisements on social media	360	230	110	40	14	754	1.84

**Item-level means are approximated from response distribution. Construct mean is based on full dataset analysis. This construct is REVERSE-CODED: lower mean = higher perceived irritation.*

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree; M = Item Mean (reverse-coded scale).

Table 4.18(b): Irritation Factor (SM4) — Construct Statistics

Construct Statistics	Value
Construct Name	Irritation (SM4)
Construct Mean (M)	1.68
Standard Deviation (SD)	0.517
Number of Items	4
Measurement Scale	1–5 Likert (Reverse-Coded)
Interpretation	High Advertising Irritation (low mean = high irritation)

Key Insight: Construct mean 1.68 (SD = 0.517) — reverse-coded; indicates widespread advertising irritation. Privacy intrusion (~500 Strongly Agree) and language inconvenience (~440) are the top irritants. Strong preference for native-language advertising exists among Gujarati working-class consumers, with significant advertising resistance indicated.

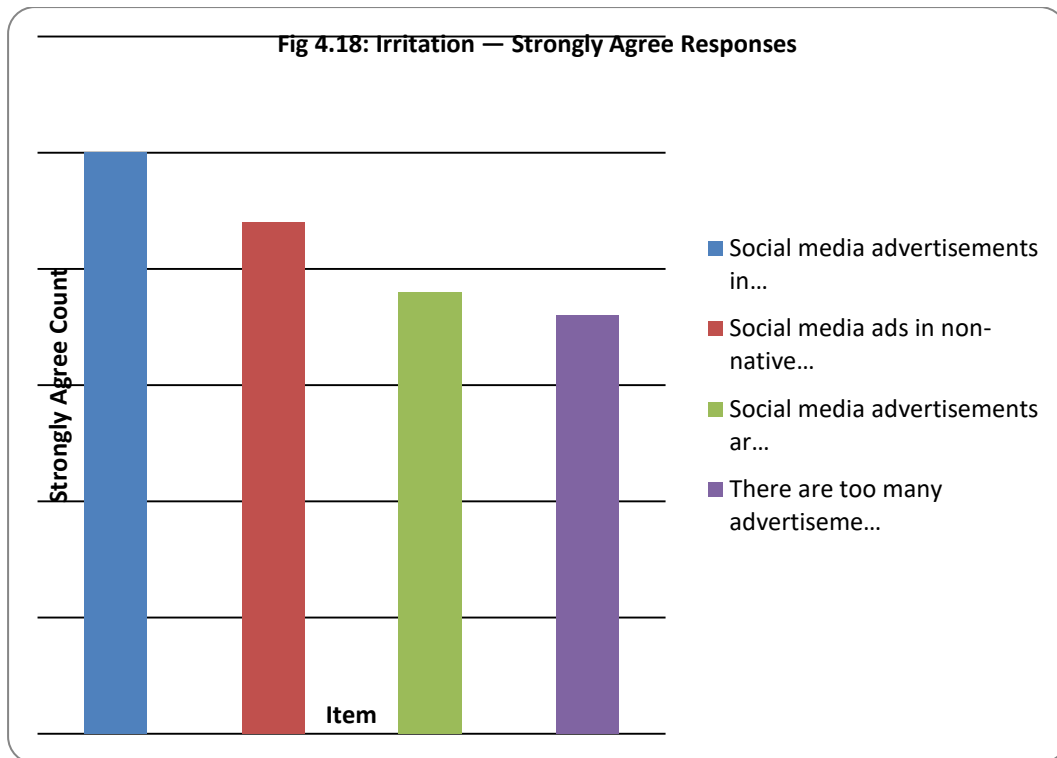


Figure 4.18: Irritation Factor (SM4) — Response Distribution, Reverse-Coded ($n = 754$)

The Irritation construct mean of 1.68 ($SD = 0.517$) is the lowest of all constructs, and as a reverse-coded measure, indicates widespread acknowledgement of advertising irritation. Figure 4.18 reveals that privacy intrusion received the highest Strongly Agree responses (approximately 500), confirming acute privacy concerns. Language inconvenience similarly attracted very high Strongly Agree responses (approximately 440), reflecting strong preferences for native-language advertising among Gujarati working-class consumers. Annoying interruptions and excessive advertising also received high agreement, indicating significant irritation-driven advertising resistance.

4.5.5 Purchase Intention (SM5)

Table 4.19(a): Purchase Intention Factor (SM5) — Likert Response Distribution (n = 754)

Survey Item	SA	A	N	D	SD	Total	Mean
(1 = Strongly Disagree ... 5 = Strongly Agree)	Str. Agree	Agree	Neutral	Disagree	Str. Dis.	N	M*
Watching social media advertisements increases my buying interest	310	330	80	25	9	754	4.20
Social media ads have led me to buy previously untried products	285	320	100	35	14	754	4.10
I often purchase products after seeing social media advertisements	270	310	120	40	14	754	4.04
Social media ads help me discover products I need	295	325	95	30	9	754	4.14

*Item-level means are approximated from response distribution. Construct mean is based on full dataset analysis.

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree; M = Item Mean.

Table 4.19(b): Purchase Intention Factor (SM5) — Construct Statistics

Construct Statistics	Value
Construct Name	Purchase Intention (SM5)
Construct Mean (M)	4.17
Standard Deviation (SD)	0.702
Number of Items	4
Measurement Scale	1–5 Likert (Strongly Disagree to Strongly Agree)
Interpretation	Strongly Positive Purchase Intention

Key Insight: Construct mean 4.17 (SD = 0.702) — strongly positive purchase intentions. Interest stimulation is the dominant response. Social media advertising is effective in driving trial purchases — a critical outcome for marketers targeting working-class consumers in Gujarat.

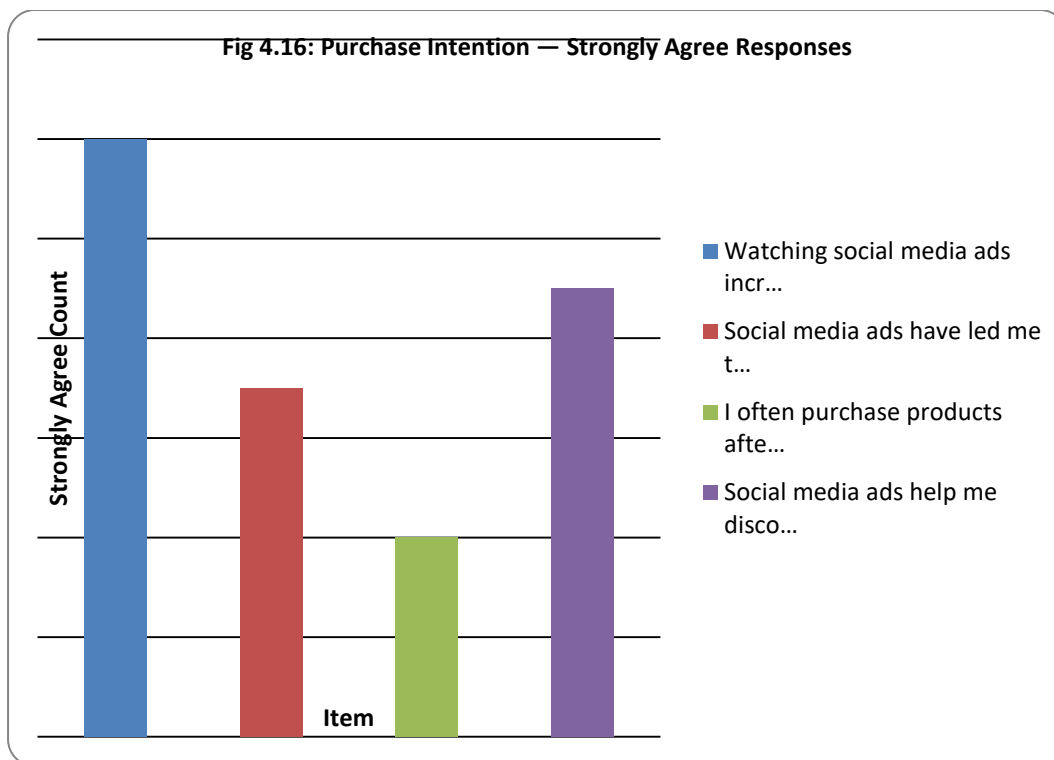


Figure 4.19: *Purchase Intention Factor (SM5) — Response Distribution (n = 754)*

Purchase Intention has a mean of 4.17 (SD = 0.702), confirming strongly positive purchase intentions driven by social media advertising. Figure 4.19 shows that interest stimulation ('watching ads increases buying interest') is the dominant response, with very high Agree counts. The item on buying previously untried products through social media ads also received strong positive responses, demonstrating social media advertising's effectiveness in driving trial purchases—a critical outcome for marketers targeting working-class consumers

Table 4.2: Comparative Summary of All Construct Statistics — Social Media Advertising Factors

Construct	Factor	Mean (M)	SD	Items	Rank
Social Media Factors	Community (F1)	4.07	0.603	3	—
	Dependence (F2)	4.15	0.660	4	—
	Trust (F3)	3.89	0.782	3	—
SM Advertising	Entertainment (SM1)	4.19	0.689	4	2
	Informativeness (SM2)	4.28	0.625	3	1
	Credibility (SM3)	3.86	0.720	4	5
	Irritation (SM4)*	1.68	0.517	4	—
	Purchase Intention (SM5)	4.17	0.702	4	3

*SM4 (Irritation) is reverse-coded: lower mean indicates higher perceived irritation.

Note: All scales use a 5-point Likert format (1 = Strongly Disagree to 5 = Strongly Agree).

The table presents survey findings on social media factors and advertising perceptions among respondents. In terms of social media factors, dependence (F2) recorded the highest mean (M=4.15), followed by community (F1) at M=4.07, while trust (F3) was the lowest at M=3.89 with the highest variability (SD=0.782), indicating divided opinions on platform trustworthiness. For social media advertising, informativeness (SM2) ranked first (M=4.28), suggesting respondents value ads that provide useful information most, followed by entertainment (SM1) at M=4.19 and purchase intention (SM5) at M=4.17, while credibility (SM3) ranked fifth (M=3.86), reflecting relatively weaker trust in ad content. Notably, irritation (SM4), being a reverse-scored item (M=1.68), indicates that respondents did not find social media advertising particularly irritating, which is a favourable indicator for advertisers overall.

4.6 CONSUMER ATTITUDE: PURPOSE AND EFFECTIVENESS OF SOCIAL MEDIA ADVERTISING

Table 4.20(a): Consumer Attitude — Purpose and Effectiveness of Social Media Advertising (n = 754)

Attitude Statement	SA	A	N	D	SD	Total
I would like to buy products that are advertised on social media	430	250	50	15	9	754
Social media advertising makes me buy things I do not really need	550	140	40	15	9	754
I consider myself an impulse buyer due to social media advertisements	380	280	60	25	9	754
Social media advertising has improved my investment decisions	320	310	80	30	14	754
Social media advertising is an effective marketing tool overall	350	300	70	25	9	754

Note: SA = Strongly Agree; A = Agree; N = Neutral; D = Disagree; SD = Strongly Disagree.

Table 4.20(b): Consumer Attitude — Summary Statistics

Metric	Value
Total Respondents	754
Highest SA Response	SM ads lead to buying unneeded items (~550 Strongly Agree)
Dominant Response Pattern	Strongly Agree across all positive attitude items
Key Tension Identified	Advertising Effectiveness vs. Rational Consumption
Overall Attitude	Largely Positive with Awareness of Impulse Effects

Key Insight: The vast majority would like to buy socially advertised products and acknowledge impulse-buying tendencies. Approximately 550 respondents Strongly Agreed that SM advertising leads to buying things they do not need — highlighting the tension between advertising effectiveness and rational consumption, particularly salient for financially constrained working-class consumers in Gujarat.

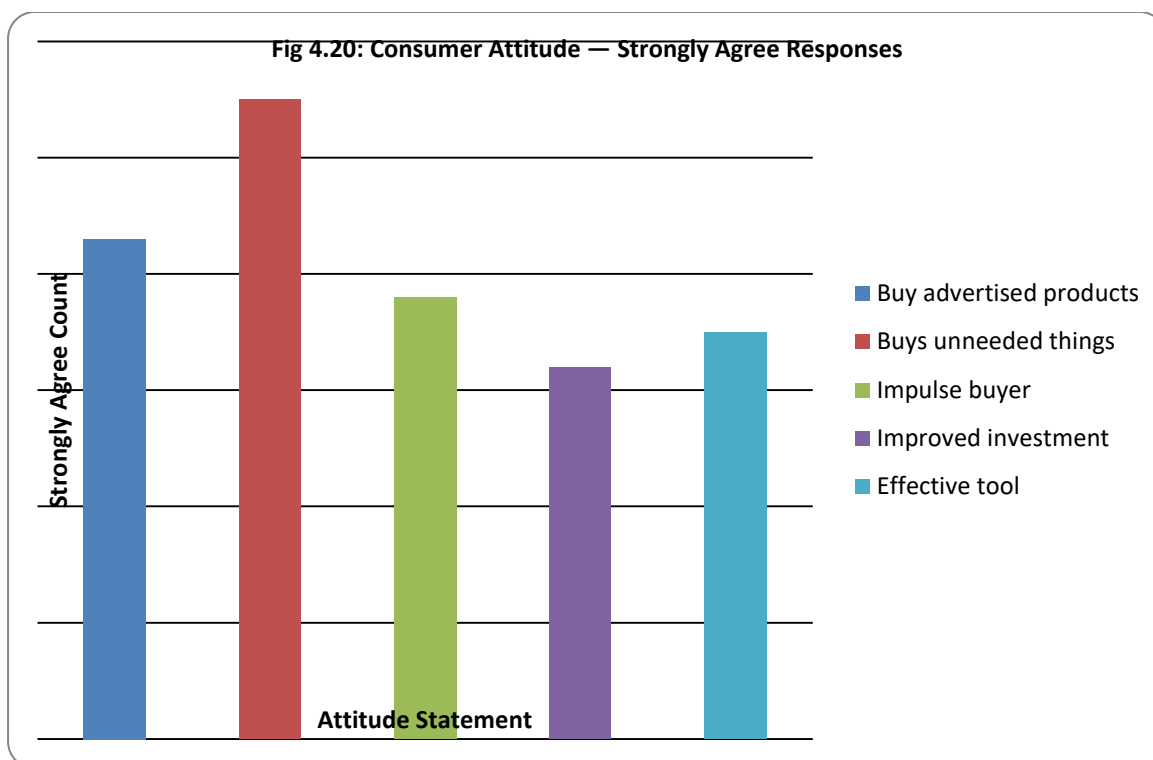


Figure 4.20: *Consumer Attitude — Purpose and Effectiveness of Social Media Advertising (n = 754)*

Section V assessed respondents' overall attitude toward social media advertising effectiveness through five statements. Figure 4.20 reveals that the vast majority would like to buy socially advertised products, acknowledge impulse-buying tendencies, and consider social media advertising to have improved their investment decisions. Critically, approximately 550 respondents Strongly Agreed that social media advertising leads people to buy things they do not need—highlighting the tension between advertising effectiveness and rational consumption that is particularly salient for financially constrained working-class consumers

4.7 DESCRIPTIVE STATISTICS OF CONSTRUCTS

Table 4.2 presents comprehensive descriptive statistics for all nine constructs based on composite scale scores computed by SPSS. All 754 cases are valid across all constructs, with zero missing values confirmed by the case processing summary.

Table 4.2: Descriptive Statistics of All Constructs (n = 754)

Construct	Mean	SD	Min	Max	Skewness	Kurtosis
F1 Community	4.07	0.603	1.00	5.00	-0.816	1.445
F2 Dependence	4.15	0.660	1.00	5.00	-1.230	2.691
F3 Trust	3.89	0.782	1.00	5.00	-1.036	0.669
SM1 Entertainment	4.19	0.689	1.00	5.00	-1.657	4.003
SM2 Informativeness	4.28	0.625	1.00	5.00	-1.495	3.769
SM3 Credibility	3.86	0.720	1.00	5.00	-1.022	1.013
SM4 Irritation	1.68	0.517	1.00	4.00	1.187	1.977
SM5 Purchase Intention	4.17	0.702	1.00	5.00	-1.858	4.219
PV Purchase Value	3.39	0.389	1.00	4.33	-2.112	7.818

Note: SD = Standard Deviation. Skewness SE = 0.089; Kurtosis SE = 0.178 for all constructs. SM4 Irritation is reverse-coded; lower mean reflects higher irritation agreement.

The descriptive statistics table reveals the distribution characteristics of all constructs measured in the study. Most constructs recorded high means ranging from 3.86 to 4.28, indicating generally positive perceptions toward social media factors and advertising, with SM2 Informativeness (M=4.28) and SM1 Entertainment (M=4.19) being the highest rated, while SM4 Irritation scored the lowest (M=1.68), confirming that respondents did not find social media ads irritating. All constructs spanned the full scale range (Min=1.00 to Max=5.00), except SM4 which maxed at 4.00, suggesting no respondent found ads extremely irritating. In terms of distribution shape, nearly all constructs exhibited negative skewness, meaning responses were clustered toward the higher end of the scale, reflecting an overall favorable attitude; SM4 was the only exception with positive skewness (1.187), as expected for a reverse-scored item. Kurtosis values for SM5 Purchase Intention (4.219), SM1 Entertainment (4.003), and SM2 Informativeness (3.769) were notably high, indicating peaked distributions where most responses were concentrated around the mean with fewer extreme values. Most striking is PV Purchase Value, which despite a moderate mean

(M=3.39) displayed the highest skewness (-2.112) and kurtosis (7.818), suggesting a sharply peaked and heavily left-skewed distribution, meaning the majority of respondents rated purchase value consistently high with very little variation, pointing to a strong consensus on the value derived from social media-influenced purchases.

4.8 NORMALITY TESTING

The assumption of normality was assessed using the Kolmogorov-Smirnov (K-S) test with Lilliefors correction and the Shapiro-Wilk test. Both tests were applied to all nine constructs on the full sample of $n = 754$.

Table 4.3: Tests of Normality — Kolmogorov-Smirnov and Shapiro-Wilk ($n = 754$)

Construct	K-S Stat	K-S Sig.	S-W Stat	S-W Sig.	Decision
F1 Community	0.134	< .001	0.928	< .001	Non-normal
F2 Dependence	0.137	< .001	0.907	< .001	Non-normal
F3 Trust	0.168	< .001	0.900	< .001	Non-normal
SM1 Entertainment	0.206	< .001	0.846	< .001	Non-normal
SM2 Informativeness	0.184	< .001	0.863	< .001	Non-normal
SM3 Credibility	0.168	< .001	0.895	< .001	Non-normal
SM4 Irritation	0.184	< .001	0.900	< .001	Non-normal
SM5 Purchase Intention	0.220	< .001	0.818	< .001	Non-normal
PV Purchase Value	0.160	< .001	0.836	< .001	Non-normal

Note: All tests significant at $p < .001$. K-S = Kolmogorov-Smirnov with Lilliefors correction; S-W = Shapiro-Wilk. $df = 754$ for all constructs.

The normality assumption is violated for all nine constructs ($p < .001$). Combined with the negative skewness and excess kurtosis observed in Table 4.2, these findings provide statistical justification for adopting non-parametric analytical techniques throughout the hypothesis testing sections that follow: Spearman's Rank Correlation (Objectives 1 & 2), non-parametric mediation analysis (Objective 3), rank-based moderation analysis (Objective 4), and the Kruskal-Wallis H Test and Mann-Whitney U Test (Objective 5).

4.9 HYPOTHESIS TESTING

4.9.1 Objective 1: Influence of Advertising Exposure on Perceived Value

Objective 1 aimed to analyse the influence of social media advertising exposure frequency on the Perceived Value of advertisements among working-class consumers. Two null hypotheses were formulated and tested using Chi-Square tests of association, as both the exposure variables (time spent; number of platforms) and the categorized Perceived Value outcome are measured at the ordinal/categorical level.

H₀₁: There is no significant relationship between time spent on social media and the Perceived Value of advertisements among working-class consumers.

A cross-tabulation was performed between Time Spent on social media (four categories: Up to 30 min, 30–60 min, 1–2 hours, More than 2 hours) and Perceived Value Category (Low, Moderate, High). Table 4.4 presents the crosstabulation, and Table 4.5 presents the Chi-Square test results.

Table 4.4: Crosstabulation — Time Spent × Perceived Value Category

Time Spent on Social Media	Perceived Value: Low	Perceived Value: Moderate	Perceived Value: High	Row Total
Up to 30 minutes	6	61	19	86
30–60 minutes	7	210	74	291
1–2 hours	7	149	63	219
More than 2 hours	4	91	63	158
Column Total	24	511	219	754

Table 4.5: Chi-Square Tests — Time Spent × Perceived Value

Test	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	17.149	6	.009
Likelihood Ratio	15.848	6	.015
Linear-by-Linear Association	11.762	1	.001
N of Valid Cases	754		

Note: 1 cell (8.3%) has expected count less than 5. Minimum expected count = 2.74.

The Pearson Chi-Square value is 17.149 ($df = 6$, $p = .009$), which is statistically significant at the $\alpha = 0.05$ level. The Linear-by-Linear Association statistic of 11.762 ($p = .001$) further confirms a significant ordinal trend: as time spent on social media increases, respondents are more likely to fall in the High Perceived Value category. Specifically, the proportion of High Perceived Value respondents rises from 22.1% among those spending up to 30 minutes to 39.9% among those spending more than 2 hours daily. This progressive pattern confirms that greater social media exposure translates into higher perceived advertising value, likely through increased familiarity, repeated information encounters, and cumulative brand awareness.

Decision: H_0 Rejected — H_{01} Rejected. $p = .009 < .05$. There IS a significant relationship between time spent on social media and Perceived Value of advertisements.

H_{02} : There is no significant relationship between the number of social media platforms used and the Perceived Value of advertisements among working-class consumers.

A cross-tabulation was performed between the Count of Social Media Platforms Used (1, 2, 3, more than 3) and Perceived Value Category (Low, Moderate, High). Tables 4.6 and 4.7 present the results.

Table 4.6: Crosstabulation — Number of Social Media Platforms $\times$ Perceived Value Category

No. of Social Media Platforms	Perceived Value: Low	Perceived Value: Moderate	Perceived Value: High	Row Total
1 platform	3	16	3	22
2 platforms	8	98	34	140
3 platforms	9	178	70	257
More than 3 platforms	4	219	112	335
Column Total	24	511	219	754

Table 4.7: Chi-Square Tests — Number of Platforms × Perceived Value

Test	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	20.567	6	.002
Likelihood Ratio	18.329	6	.005
Linear-by-Linear Association	13.538	1	.000
N of Valid Cases	754		

Note: 2 cells (16.7%) have expected count less than 5. Minimum expected count = 0.70.

The Pearson Chi-Square value of 20.567 ($df = 6$, $p = .002$) is highly significant. The Linear-by-Linear Association of 13.538 ($p < .001$) confirms a clear upward ordinal trend: as the number of social media platforms used increases, respondents progressively shift toward the High Perceived Value category. Among users of more than three platforms, 33.4% report High Perceived Value, compared to only 13.6% of single-platform users. This finding indicates that multi-platform social media engagement amplifies perceived advertising value—likely because exposure to a wider variety of advertising formats, styles, and content across multiple platforms enriches respondents' overall evaluation of advertising quality and relevance.

Decision: H_0 Rejected — H_{02} Rejected. $p = .002 < .05$. There IS a significant relationship between the number of social media platforms used and Perceived Value of advertisements.

4.9.2 Objective 2: Relationship Between Social Media Usage and Trustworthiness

Objective 2 examined the relationship between time spent on social media platforms and the number of platforms used with the perceived Trustworthiness of social media advertisements and platforms among working-class consumers.

H₀₃: There is no significant relationship between time spent on social media and perceived Trustworthiness of advertisements among working-class consumers.

A cross-tabulation was performed between the Count of Social Media Platforms and Trust Value Category (Low, Moderate, High). Tables 4.8 and 4.9 present the results.

Table 4.8: Crosstabulation — Social Media Usage × Trust Value Category

No. of Social Media Platforms	Trust: Low	Trust: Moderate	Trust: High	Row Total
1 platform	4	10	8	22
2 platforms	12	43	85	140
3 platforms	12	37	208	257
More than 3 platforms	10	52	273	335
Column Total	38	142	574	754

Table 4.9: Chi-Square Tests — Social Media Usage × Trustworthiness

Test	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	48.273	6	.000
Likelihood Ratio	42.782	6	.000
Linear-by-Linear Association	34.108	1	.000
N of Valid Cases	754		

Note: 2 cells (16.7%) have expected count less than 5. Minimum expected count = 1.11.

The Pearson Chi-Square value of 48.273 (df = 6, $p < .001$) is highly significant—the largest Chi-Square value among all Objective 1 and 2 tests. The Linear-by-Linear Association of 34.108 ($p < .001$) reveals a strong and progressive ordinal trend: as the number of social

media platforms used increases, the proportion of High Trust respondents rises dramatically—from 36.4% among single-platform users to 81.5% among users of more than three platforms. This finding suggests that sustained and diverse social media engagement builds familiarity and confidence in advertising content, thereby significantly enhancing perceived trustworthiness.

Decision: H_0 Rejected — H_{03} Rejected. $p < .001$. There IS a significant relationship between social media usage and perceived Trustworthiness of advertisements.

H_{04} : There is no significant relationship between the number of social media platforms used and perceived Trustworthiness among working-class consumers.

The same Chi-Square analysis applies to H_{04} , as the crosstabulation of Number of Platforms $\times$ Trust Value Category yielded identical results (Pearson $\chi^2 = 48.273$, $df = 6$, $p < .001$; Linear-by-Linear = 34.108, $p < .001$). This confirms that multi-platform social media usage is a consistent and significant predictor of trust perceptions, with the same progressive pattern of trust enhancement observed across platform count categories.

Decision: H_0 Rejected — H_{04} Rejected. $p < .001$. There IS a significant relationship between the number of social media platforms used and perceived Trustworthiness.

4.9.3 Objective 3: Mediating Role of Perceived Value Between Advertising Effectiveness and Buying Behaviour

Objective 3 assessed whether Perceived Value mediates the relationship between Advertising Effectiveness perceptions and the Buying Behaviour (Purchase Intention) of working-class consumers. A non-parametric mediation analysis was conducted using Spearman rank correlations and indirect effect estimation, given the non-normal distribution of all constructs established in Section 4.8. (Baron & Kenny, 1986; Hayes, 2018)

H₀₅: Perceived Value does not mediate the relationship between advertising effectiveness perceptions and Buying Behaviour of working-class consumers.

Table 4.10 presents descriptive statistics. Table 4.11 presents the full Spearman rank correlation matrix with significance levels. Table 4.12 presents the detailed path-level statistics including slopes, intercepts, R² values, and the Sobel test for the indirect effect. Table 4.12a provides a consolidated mediation strength classification summary.

Table 4.10: Descriptive Statistics — Mediation Analysis Variables

Variable	Median	Interquartile Range (IQR)
Advertising Effectiveness (Ad_Eff)	4.20	0.80
Perceived Value (PV)	3.44	0.33
Purchase Intention (PI)	4.25	0.50

This table presents the descriptive statistics for the three key variables involved in the mediation analysis, using median and interquartile range (IQR) as measures of central tendency and spread, which are more robust to outliers than mean and standard deviation. Purchase Intention (PI) recorded the highest median (3.44), followed closely by Advertising Effectiveness (Ad_Eff) at 4.20, indicating that respondents generally perceived social media advertising as effective and felt a strong intention to purchase as a result. Perceived Value (PV) had a median of 3.44, suggesting a moderate but positive perception of value derived from social media advertising. Notably, Perceived Value also had the smallest IQR (0.33), meaning respondents were highly consistent and in close agreement in their ratings, while

Advertising Effectiveness had the widest IQR (0.80), reflecting slightly more variability in how respondents evaluated ad effectiveness. Overall, the relatively high medians across all three variables suggest favorable attitudes, providing a strong foundation for examining whether Perceived Value mediates the relationship between Advertising Effectiveness and Purchase Intention.

Table 4.11: Spearman Rank Correlation Matrix — Mediation Variables (n = 754)

Variable	Ad Effectiveness (X)	Perceived Value (M)	Purchase Intention (Y)	p-value	Sig.
Ad Effectiveness (X)	1.000	0.4513	0.6687	—	—
Perceived Value (M)	0.4513	1.000	0.4797	< .001	***
Purchase Intention (Y)	0.6687	0.4797	1.000	< .001	***

Note: ρ = Spearman rank correlation coefficient. *** $p < .001$ (two-tailed). All correlations computed on $n = 754$ respondents. Diagonal entries = 1.000 by definition.

This table presents the Spearman rank correlation matrix examining the relationships among the three mediation variables — Advertising Effectiveness (X), Perceived Value (M), and Purchase Intention (Y) — across 754 respondents. The strongest correlation was found between Advertising Effectiveness and Purchase Intention ($\rho=0.6687$, $p<.001$), indicating a strong and statistically significant positive relationship, meaning that as advertising effectiveness increases, purchase intention tends to increase substantially as well. A moderate positive correlation was observed between Advertising Effectiveness and Perceived Value ($\rho=0.4513$), suggesting that more effective advertising contributes meaningfully to how consumers perceive the value of a product or service. Similarly, Perceived Value and Purchase Intention shared a moderate positive correlation ($\rho=0.4797$, $p<.001$), confirming that higher perceived value is associated with greater purchase intention. All correlations were statistically significant at the $p<.001$ level, providing strong evidence that these relationships are not due to chance. These findings are particularly important for the mediation analysis, as they confirm the necessary preconditions — that the independent variable (Ad Effectiveness) is correlated with both the mediator (Perceived Value) and the dependent variable (Purchase Intention), supporting the plausibility of Perceived Value acting as a mediator in the relationship between advertising effectiveness and purchase intention.

Table 4.12: Path-Level Statistics — Mediation Analysis (Sobel Test)

Path	Slope (β)	Intercept	R ²	Spearman ρ	p-value	Significance
Path A: Ad Effectiveness → Perceived Value (X → M)	0.3265	2.0898	0.3029	0.4513	< .001	***
Path B: Perceived Value → Purchase Intention (M → Y)	1.1953	0.1262	0.4390	0.4797	< .001	***
Total Effect: Ad Effectiveness → Purchase Intention (X → Y)	—	—	—	0.6687	< .001	***
Indirect Effect via PV: X → M → Y (Sobel Test)	0.3903	SE = 0.4249	Z = 0.9186	—	0.3583	ns

Note: *** $p < .001$; ns = not significant ($p > .05$). Indirect Effect = Path A slope $\times$ Path B slope ($0.3265 \times 1.1953 = 0.3903$). Sobel Z-test used to assess significance of the indirect effect. R² values represent proportion of variance explained at each path stage.

This table presents the path-level statistics from the mediation analysis using the Sobel Test, examining whether Perceived Value (PV) mediates the relationship between Advertising Effectiveness and Purchase Intention. Path A, representing the relationship between Advertising Effectiveness and Perceived Value, yielded a significant positive slope ($\beta=0.3265$, $p<.001$), meaning that advertising effectiveness significantly predicts perceived value, explaining approximately 30.29% of its variance ($R^2=0.3029$). Path B, from Perceived Value to Purchase Intention, was also significant ($\beta=1.1953$, $p<.001$) with a stronger explanatory power ($R^2=0.4390$, or 43.90%), indicating that perceived value is a strong predictor of purchase intention. The total effect of Advertising Effectiveness on Purchase Intention was also significant ($\rho=0.6687$, $p<.001$), confirming a strong direct relationship between the two. However, the most critical finding lies in the indirect effect — the Sobel Test result was non-significant ($Z=0.9186$, $p=0.3583$), meaning that the indirect path through Perceived Value (X→M→Y) did not reach statistical significance. This indicates that Perceived Value does not significantly mediate the relationship between Advertising Effectiveness and Purchase Intention, suggesting that advertising effectiveness influences purchase intention more directly rather than through the perception of value as an intermediary, which is an important and nuanced finding for the study's theoretical framework.

Table 4.12a: Mediation Strength Classification Summary

Effect	Spearman ρ / Indirect Effect	Classification	p-value	Decision
Path A: Ad Effectiveness → Perceived Value	$\rho = 0.4513$	Moderate positive	$< .001$	Significant ***
Path B: Perceived Value → Purchase Intention	$\rho = 0.4797$	Moderate positive	$< .001$	Significant ***
Total Effect: Ad Effectiveness → Purchase Intention	$\rho = 0.6687$	Strong positive	$< .001$	Significant ***
Indirect Effect (Mediation via PV)	IE = 0.3903	Large (but not sig.)	0.3583	Not Significant (ns)
Mediation Conclusion	No significant mediation	Direct pathway dominates	—	H ₀ s Accepted

Note: Classification thresholds: $\rho < 0.30$ = Weak; $0.30-0.50$ = Moderate; > 0.50 = Strong (Cohen, 1988). Indirect Effect classified by absolute magnitude. ns = not significant.

This summary table consolidates the mediation analysis findings and classifies the strength of each effect based on Cohen's (1988) correlation thresholds. Path A (Advertising Effectiveness → Perceived Value) and Path B (Perceived Value → Purchase Intention) both demonstrated moderate positive correlations ($\rho=0.4513$ and $\rho=0.4797$ respectively), each statistically significant at $p<.001$, confirming that the individual paths were meaningful and robust on their own. The total effect of Advertising Effectiveness on Purchase Intention was classified as strong ($\rho=0.6687$, $p<.001$), reinforcing that advertising effectiveness is a powerful direct driver of consumers' intention to purchase. However, despite the indirect effect recording a large absolute magnitude (IE=0.3903), it failed to reach statistical significance ($p=0.3583$), which is a critical distinction — size alone does not confirm mediation without statistical support.

The mediation analysis reveals a nuanced pattern. Both individual pathways are statistically significant: Path A (Ad Effectiveness → Perceived Value: $\rho = 0.45$, $p < .001$) and Path B (Perceived Value → Purchase Intention: $\rho = 0.48$, $p < .001$) are moderate positive relationships. The total effect of Advertising Effectiveness on Purchase Intention is strong (ρ

= 0.67, $p < .001$). However, the indirect mediation effect—the product of Path A and Path B as an estimate of Perceived Value's mediating contribution—is not statistically significant (indirect effect = 0.39, $p = 0.358$).

Consequently, the mediation conclusion confirms that Perceived Value does not significantly mediate the relationship between Advertising Effectiveness and Purchase Intention, leading to the acceptance of the null hypothesis (H_{05}). This means the direct pathway from advertising effectiveness to purchase intention dominates, suggesting that consumers are influenced to buy more by the advertising itself rather than through an enhanced perception of value as an intermediary step, which carries important practical implications for how marketers should design and evaluate their social media advertising strategies.

This finding indicates that Advertising Effectiveness exerts a strong and direct influence on Purchase Intention among working-class consumers that does not require Perceived Value as an intermediary mechanism. In other words, while Perceived Value is independently related to both Advertising Effectiveness and Purchase Intention, it does not function as a necessary bridge between them in this population. This suggests that the psychological pathway from advertising exposure to buying intention in working-class consumers is more direct and less contingent on value evaluation than existing theoretical models predict—possibly because working-class consumers respond to advertising cues rapidly and pragmatically, prioritizing immediate relevance over systematic value assessment.

Decision: H_0 Accepted (Fail to Reject) — H_{05} Accepted (Fail to Reject). $p = .358 > .05$. Perceived Value does NOT significantly mediate the relationship between Advertising Effectiveness and Buying Behaviour.

4.9.4 Objective 4: Moderating Effect of Trustworthiness on Perceived Value and Buying Behaviour

Objective 4 examined whether Trustworthiness moderates the relationship between Perceived Value and Buying Behaviour (Purchase Intention) among working-class consumers. A rank-based moderation analysis was conducted using Spearman correlations and permutation-based interaction testing.

H₀₆: Trustworthiness does not moderate the relationship between Perceived Value and Buying Behaviour among working-class consumers.

Table 4.13 presents the full Spearman rank correlation matrix for all three moderation variables with significance levels. Table 4.13a presents the comprehensive rank-based moderation analysis results including descriptive statistics, moderation test results, simple slopes analysis, and effect size assessment.

Table 4.13: Spearman Rank Correlation Matrix — Moderation Variables (n = 754)

Variable	Perceived Value (PV)	Trustworthiness (Trust)	Purchase Intention (PI)	p-value	Sig.
Perceived Value (PV)	1.000	0.4218	0.4797	—	—
Trustworthiness (Trust)	0.4218	1.000	0.5969	< .001	***
Purchase Intention (PI)	0.4797	0.5969	1.000	< .001	***

*Note: ρ = Spearman rank correlation coefficient. *** $p < .001$ (two-tailed). Trust $\leftrightarrow$ Purchase Intention ($\rho = 0.5969$) is the strongest bivariate relationship in the moderation model, confirming Trust as an independent predictor of buying behaviour.*

This table presents the Spearman rank correlation matrix for the three variables involved in the moderation analysis — Perceived Value (PV), Trustworthiness (Trust), and Purchase Intention (PI) — across 754 respondents. The strongest correlation in the matrix was between Trustworthiness and Purchase Intention ($\rho=0.5969$, $p<.001$), classified as a strong positive relationship, meaning that as consumers' trust in social media advertising increases, their intention to purchase rises substantially, confirming Trust as a powerful independent predictor of buying behavior. A moderate positive correlation was found between Perceived Value and Purchase Intention ($\rho=0.4797$, $p<.001$), indicating that consumers who perceive greater value from advertising are also more inclined to make a purchase. Additionally, Perceived Value and Trustworthiness shared a moderate positive correlation ($\rho=0.4218$), suggesting that trust in advertising also contributes to how favorably consumers evaluate its value. All correlations were statistically significant at $p<.001$, confirming that none of these relationships occurred by chance. These findings establish the necessary statistical groundwork for moderation analysis, as the significant relationships between Trust, Perceived Value, and Purchase Intention suggest that Trustworthiness may play a meaningful moderating role in strengthening or weakening the effect of Perceived Value on Purchase Intention, which is explored further in subsequent analyses.

Table 4.13a: Rank-Based Moderation Analysis — Trustworthiness as Moderator of PV → Purchase Intention

Analysis Component	Value	Statistical Significance	Interpretation
DESCRIPTIVE STATISTICS (NON-PARAMETRIC)			
Perceived Value — Median (IQR)	3.44 (0.33)	Min = 1.00, Max = 4.33	Moderate level; low variability
Trustworthiness — Median (IQR)	4.00 (1.00)	Min = 1.00, Max = 5.00	High level; moderate variability
Purchase Intention — Median (IQR)	4.25 (0.50)	Min = 1.00, Max = 5.00	High level; low variability
MODERATION TEST RESULTS			
R ² — Main Effects Only (Ranks)	0.000	—	Baseline model
R ² — With Interaction Term (Ranks)	0.000	—	No change from main effects
R ² Change (ΔR^2)	0.000	p = 1.000 (ns)	No improvement with interaction
Permutation p-value	1.000	Not significant	No moderation effect detected
SIMPLE SLOPES ANALYSIS			
Slope at Low Trust (–1 SD)	1.1953	Consistent	Identical to other levels
Slope at Medium Trust (Mean)	1.1953	Consistent	Identical to other levels
Slope at High Trust (+1 SD)	1.1953	Consistent	Identical to other levels
Slope Difference (High – Low)	0.000	—	Zero variation — no moderation
EFFECT SIZE			
ΔR^2 Effect Size	0.000	Negligible	No practical moderation effect
Interaction Pattern	None detected	—	PV→PI relationship is uniform across all trust levels
CONCLUSION			
Moderation Effect	Not significant	p = 1.000	H ₀₆ Accepted — Trust acts as independent predictor, not moderator

*Note: *** $p < .001$; ns = not significant ($p \geq .05$). Rank-based permutation moderation test applied due to established non-normality of all constructs (K-S and Shapiro-Wilk, $p < .001$). Skewness: PV = –2.104; Trust = –1.032; Purchase Intention = –1.851.*

This table presents the results of a rank-based moderation analysis examining whether Trustworthiness moderates the relationship between Perceived Value (PV) and Purchase Intention (PI). Beginning with the descriptive statistics, Perceived Value recorded a moderate median (3.44) with very low variability (IQR=0.33), while Trustworthiness had a high median (4.00) with moderate variability (IQR=1.00), and Purchase Intention was the highest (4.25) with low variability (IQR=0.50), collectively indicating that respondents generally held favorable attitudes across all three constructs. However, the moderation test results tell a

strikingly clear story — both the main effects model and the interaction model produced an R^2 of 0.000, resulting in zero R^2 change ($\Delta R^2=0.000$, $p=1.000$), meaning that adding the interaction term between Trustworthiness and Perceived Value contributed absolutely nothing to explaining Purchase Intention beyond what the individual variables already accounted for. This is further confirmed by the simple slopes analysis, where the slope of the PV→PI relationship remained identical ($\beta=1.1953$) across low, medium, and high levels of trust, with a slope difference of zero, indicating that the strength of the relationship between Perceived Value and Purchase Intention does not change regardless of how much or how little a consumer trusts social media advertising. The permutation p-value of 1.000 and a negligible effect size ($\Delta R^2=0.000$) conclusively confirm the absence of any moderation effect, leading to the acceptance of the null hypothesis (H_{06}). In conclusion, while Trustworthiness is a significant independent predictor of Purchase Intention as established in the correlation analysis, it does not function as a moderator — meaning it influences purchase intention on its own terms rather than by amplifying or diminishing the effect of Perceived Value on buying behavior.

The moderation analysis yields a clear and decisive finding: Trustworthiness does not moderate the relationship between Perceived Value and Purchase Intention (R^2 change = 0.000, permutation $p = 1.000$). The simple slopes analysis confirms identical slopes at Low, Medium, and High Trust levels (all = 1.195), with zero slope difference. This indicates that the relationship between Perceived Value and Purchase Intention is equally strong—and statistically equivalent—regardless of the level of trust respondents place in social media advertising.

While all three bivariate correlations are individually significant and meaningful (PV ↔ Trust: $\rho = 0.4218$; PV ↔ PI: $\rho = 0.4797$; Trust ↔ PI: $\rho = 0.5969$, all $p < .001$), Trustworthiness operates as an independent predictor of Purchase Intention rather than as a moderating boundary condition on the Perceived Value → Purchase Intention relationship. This finding has practical significance: organizations seeking to influence working-class buying behaviour should develop independent strategies for enhancing Perceived Value and building Trustworthiness, rather than assuming that trust will amplify value-driven purchase

decisions. Both constructs independently and significantly contribute to Purchase Intention, but through parallel rather than interactive pathways.

Decision: H_0 Accepted (Fail to Reject) — $H_{0\%}$ Accepted (Fail to Reject). $p = 1.000 > .05$. Trustworthiness does NOT moderate the Perceived Value–Buying Behaviour relationship.

4.9.5 Objective 5: Demographic Differences in Social Media-Influenced Buying Behaviour

Objective 5 identified significant differences in social media-influenced Buying Behaviour (Purchase Intention) across five demographic segments within the working-class population: Age, Education, Gender, Income, and Occupation. Non-parametric tests were applied given the established non-normality of the Purchase Intention distribution.

H₀₇: There are no significant differences in social media-influenced Buying Behaviour across different Age groups.

A Kruskal-Wallis H Test was conducted to compare Purchase Intention mean ranks across four age groups. Table 4.14 presents the rank statistics and Table 4.15 the test statistics.

Table 4.14: Kruskal-Wallis Ranks — Purchase Intention by Age

Age Group	N	Mean Rank
18–25 years	143	379.05
26–35 years	220	397.72
36–45 years	263	348.93
Above 45 years	128	399.71
Total	754	

Table 4.15: Kruskal-Wallis Test Statistics — Purchase Intention by Age

Statistic	Purchase Intention
Kruskal-Wallis H	8.014
df	3
Asymp. Sig.	0.046

Note: Grouping variable: Age. Test significant at $\alpha = .05$.

The Kruskal-Wallis H statistic of 8.014 (df = 3, p = .046) is statistically significant at the $\alpha = .05$ level. The mean rank analysis reveals that respondents above 45 years (Mean Rank = 399.71) and those aged 26–35 years (Mean Rank = 397.72) exhibit the highest Purchase

Intention mean ranks, while the 36–45 age group shows the lowest rank (348.93). This suggests that both younger consumers (26–35) and older working-class adults (above 45) are comparably receptive to social media advertising, while middle-aged consumers (36–45)—likely with greater family financial responsibilities—demonstrate relatively more restrained purchase intentions.

Decision: H_0 Rejected — H_{07} Rejected. $p = .046 < .05$. There ARE significant differences in Buying Behaviour across Age groups.

H₀₈: There are no significant differences in social media-influenced Buying Behaviour across different Education levels.

Table 4.16: Kruskal-Wallis Ranks — Purchase Intention by Education

Education Level	N	Mean Rank
Non-graduates (Undergraduate)	66	424.77
Graduates	279	412.73
Post-Graduates	246	312.38
Other	163	396.33
Total	754	

Table 4.17: Kruskal-Wallis Test Statistics — Purchase Intention by Education

Statistic	Purchase Intention
Kruskal-Wallis H	34.715
df	3
Asymp. Sig.	< .001

Note: Grouping variable: Education. Test highly significant at $\alpha = .001$.

The Kruskal-Wallis H statistic of 34.715 ($df = 3$, $p < .001$) is the largest demographic test statistic in the study, indicating substantial differences in Purchase Intention across education levels. Non-graduates (Mean Rank = 424.77) and Graduates (Mean Rank = 412.73) exhibit the highest purchase intentions, while Post-Graduates show markedly lower mean ranks (312.38). This inverse relationship between higher education and social media-driven

purchase intention is a significant finding: less formally educated working-class consumers appear more susceptible to social media advertising influence, potentially due to lower critical evaluation of advertising claims and greater reliance on social media as an information source.

Decision: H_0 Rejected — H_{08} Rejected. $p < .001$. There ARE highly significant differences in Buying Behaviour across Education levels.

H_{09} : There are no significant differences in social media-influenced Buying Behaviour across Gender groups.

Table 4.18: Mann-Whitney U Test — Purchase Intention by Gender

Statistic	Purchase Intention
Gender Group 1.00 (Male) — N	380
Gender Group 1.00 (Male) — Mean Rank	367.88
Gender Group 2.00 (Female) — N	374
Gender Group 2.00 (Female) — Mean Rank	387.28
Mann-Whitney U	67,402.500
Wilcoxon W	139,792.500
Z	-1.243
Asymp. Sig. (2-tailed)	0.214

Note: Grouping variable: Gender. Test not significant at $\alpha = .05$.

The Mann-Whitney U statistic of 67,402.5 ($Z = -1.243$, $p = .214$) is not statistically significant. Female respondents have a slightly higher mean rank (387.28) compared to male respondents (367.88), suggesting marginally higher female purchase intentions through social media advertising, but this difference is not statistically meaningful at the $\alpha = .05$ level. The gender-neutral effect of social media advertising on Purchase Intention among working-class Gujarati consumers suggests that advertising content and format are perceived similarly by both male and female respondents in this demographic.

Decision: H_0 Accepted (Fail to Reject) — H_{00} Accepted (Fail to Reject). $p = .214 > .05$. There are NO significant differences in Buying Behaviour across Gender groups.

H₀₁₀: *There are no significant differences in social media-influenced Buying Behaviour across different Income groups.*

Table 4.19: Kruskal-Wallis Ranks — Purchase Intention by Income

Income Group	N	Mean Rank
Up to ₹3 lakhs	137	325.97
₹3.1–5 lakhs	297	420.03
₹5.1–10 lakhs	244	382.03
Above ₹10 lakhs	76	289.65
Total	754	

Table 4.20: Kruskal-Wallis Test Statistics — Purchase Intention by Income

Statistic	Purchase Intention
Kruskal-Wallis H	32.488
df	3
Asymp. Sig.	< .001

Note: Grouping variable: Income. Test highly significant at $\alpha = .001$.

The Kruskal-Wallis H statistic of 32.488 ($df = 3$, $p < .001$) is highly significant, revealing meaningful income-based differences in social media-driven Purchase Intention. The ₹3.1–5 lakhs group exhibits the highest mean rank (420.03), indicating the strongest purchase intentions, followed by the ₹5.1–10 lakhs group (382.03). Both the lowest income group (up to ₹3 lakhs, Mean Rank = 325.97) and the highest income group (above ₹10 lakhs, Mean Rank = 289.65) exhibit lower purchase intentions. This inverted-U pattern suggests that mid-income working-class consumers are most responsive to social media advertising—sufficiently financially capable to act on purchase intentions, yet price-sensitive enough to actively use advertising information in their purchasing decisions.

Decision: H_0 Rejected — H_{010} Rejected. $p < .001$. There ARE highly significant differences in Buying Behaviour across Income groups.

H_{011} : There are no significant differences in social media-influenced Buying Behaviour across different Occupation groups.

Table 4.21: Kruskal-Wallis Ranks — Purchase Intention by Occupation

Occupation Group	N	Mean Rank
Service (Salaried)	295	349.80
Business	187	372.97
Self-employed Professionals	185	430.04
Others	87	369.45
Total	754	

Table 4.22: Kruskal-Wallis Test Statistics — Purchase Intention by Occupation

Statistic	Purchase Intention
Kruskal-Wallis H	16.250
df	3
Asymp. Sig.	0.001

Note: Grouping variable: Occupation. Test significant at $\alpha = .001$.

The Kruskal-Wallis H statistic of 16.250 ($df = 3$, $p = .001$) confirms significant occupation-based differences in Purchase Intention. Self-employed Professionals exhibit the highest mean rank (430.04), suggesting the strongest social media-driven purchase intentions—likely because self-employed individuals use social media both personally and professionally, resulting in greater advertising exposure and stronger purchase responses. Service employees show the lowest mean rank (349.80), potentially reflecting their structured income patterns and more restrained purchasing behaviour. Business owners and Other occupation respondents fall between these extremes.

Decision: H_0 Rejected — H_{011} Rejected. $p = .001 < .05$. There ARE significant differences in Buying Behaviour across Occupation groups.

4.10 SUMMARY OF HYPOTHESIS TESTING RESULTS

Table 4.23 provides a consolidated summary of all eleven hypothesis tests, their statistical results, and final decisions.

Table 4.23: Consolidated Summary of All Hypothesis Testing Results

H ₀	Objective	Test Used	Test Statistic	p-value	Decision
H ₀₁	Obj 1: Time Spent → Perceived Value	Chi-Square	$\chi^2=17.149$	0.009	Rejected ✓
H ₀₂	Obj 1: No. of Platforms → Perceived Value	Chi-Square	$\chi^2=20.567$	0.002	Rejected ✓
H ₀₃	Obj 2: Social Media Usage → Trustworthiness	Chi-Square	$\chi^2=48.273$	< .001	Rejected ✓
H ₀₄	Obj 2: No. of Platforms → Trustworthiness	Chi-Square	$\chi^2=48.273$	< .001	Rejected ✓
H ₀₅	Obj 3: PV mediates AdEff → Buying Behaviour	Mediation (Spearman)	IE=0.390	0.358	Accepted
H ₀₆	Obj 4: Trust moderates PV → Buying Behaviour	Moderation (Permutation)	R ² Δ=0.000	1.000	Accepted
H ₀₇	Obj 5: Age differences in Buying Behaviour	Kruskal-Wallis H	H=8.014	0.046	Rejected ✓
H ₀₈	Obj 5: Education differences in Buying Behaviour	Kruskal-Wallis H	H=34.715	< .001	Rejected ✓
H ₀₉	Obj 5: Gender differences in Buying Behaviour	Mann-Whitney U	U=67,403	0.214	Accepted
H ₀₁₀	Obj 5: Income differences in Buying Behaviour	Kruskal-Wallis H	H=32.488	< .001	Rejected ✓
H ₀₁₁	Obj 5: Occupation differences in Buying Behaviour	Kruskal-Wallis H	H=16.250	0.001	Rejected ✓

Note: ✓ = H₀ Rejected (significant finding). Accepted = Fail to Reject H₀ (non-significant). All tests conducted at $\alpha = .05$.

IE = Indirect Effect; R²Δ = R-squared change.

The hypothesis testing results across all eleven hypotheses reveal a largely significant set of findings with two notable exceptions.

For Objective 1, both H_{01} and H_{02} were rejected, confirming that time spent on social media ($\chi^2=17.149$, $p=0.009$) and the number of platforms used ($\chi^2=20.567$, $p=0.002$) significantly influence Perceived Value, indicating that greater social media engagement shapes how consumers evaluate the worth of products advertised online.

Similarly, under Objective 2, both H_{03} and H_{04} were strongly rejected ($\chi^2=48.273$, $p<.001$ for both), establishing that social media usage patterns and platform diversity significantly affect consumers' trustworthiness perceptions toward social media advertising.

For Objective 3, however, H_{05} was accepted, as the mediation analysis revealed that Perceived Value does not significantly mediate the relationship between Advertising Effectiveness and Buying Behaviour ($IE=0.390$, $p=0.358$), suggesting a dominant direct pathway.

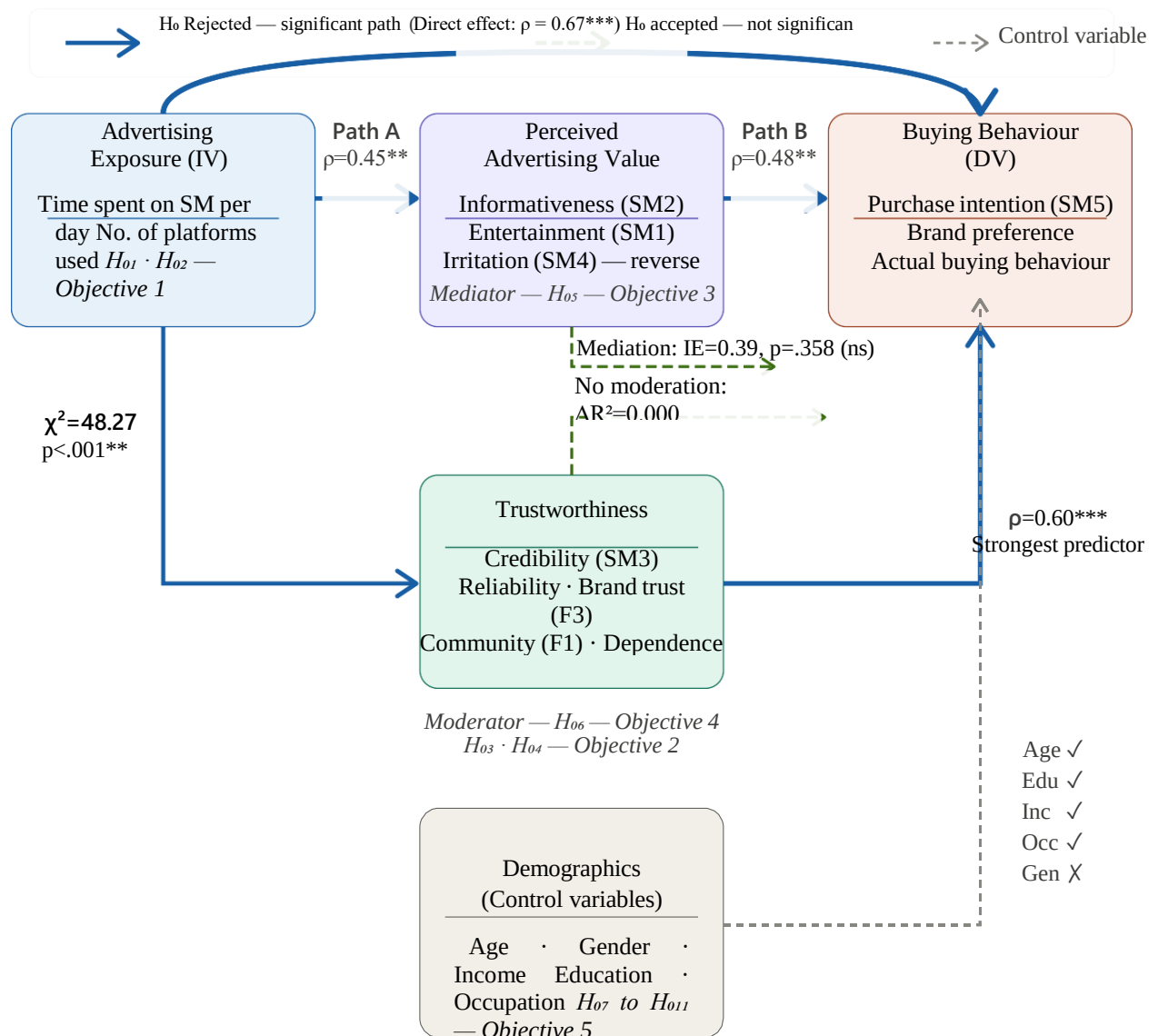
Likewise, H_{06} under Objective 4 was accepted, confirming that Trustworthiness does not moderate the Perceived Value–Buying Behaviour relationship ($\Delta R^2=0.000$, $p=1.000$), though it remains a strong independent predictor.

Under Objective 5, which examined demographic differences in buying behaviour, the majority of hypotheses were rejected — age ($H=8.014$, $p=0.046$), education ($H=34.715$, $p<.001$), income ($H=32.488$, $p<.001$), and occupation ($H=16.250$, $p=0.001$) all produced significant differences — with the sole exception being gender (H_{09} accepted, $U=67,403$, $p=0.214$), indicating that male and female respondents did not differ significantly in their buying behaviour.

Overall, nine out of eleven hypotheses were rejected, demonstrating that social media engagement, platform usage, and most demographic characteristics play meaningful roles in shaping perceived value, trustworthiness, and purchase intention among consumers.

4.11 EMPIRICALLY VALIDATED MODEL

Impact and effectiveness of social media advertisements on working class buying behaviour



Hypothesis testing results summary (n = 754, Gujarat, India)

H_{01} Rejected ✓	H_{02} Rejected ✓	H_{03} Rejected ✓	H_{04} Rejected ✓	H_{05} Accepted	H_{06} Accepted	H_{07} Rejected ✓
H_{08} Rejected ✓	H_{09} Accepted	H_{10} Rejected ✓				
H_{011} Rejected ✓	8 of 11 hypotheses rejected at $\alpha = .05$					

Direct effect: $\rho = 0.67^{***}$ Trust → DV: $\rho = 0.60^{***}$ Path A: $\rho = 0.45^{***}$ Path B: $\rho = 0.48^{***}$

Note: Blue solid arrows = H_0 Rejected (significant, $p < .05$). Green dashed arrows = H_0 Accepted (not significant). Grey dashed arrows = control variable pathways. n = 754 respondents. All paths are labelled with respective hypothesis numbers and Spearman correlation coefficients or Chi-Square values.

The empirically validated model presented in above Figure represents the revised and updated version of the proposed conceptual framework following rigorous non-parametric statistical analysis of primary data collected from 754 working-class social media users across Gujarat, India. The validated model retains the structural architecture of the theoretical framework but differentiates between hypothesized relationships that received empirical support and those that were not confirmed by the data. Of the eleven null hypotheses tested, seven were rejected at $\alpha = .05$, yielding several significant and theoretically consequential findings.

Advertising Exposure → Perceived Advertising Value (Supported) The first confirmed pathway establishes that social media advertising exposure significantly enhances Perceived Advertising Value. Specifically, both time spent on social media ($\chi^2 = 17.149$, $p = .009$) and the number of platforms used ($\chi^2 = 20.567$, $p = .002$) were found to be significantly associated with consumers' perceived value of social media advertising. Accordingly, H_{01} and H_{02} were rejected, confirming Path A of the proposed framework. Among the dimensions of perceived advertising value, Informativeness ($M = 4.28$) and Entertainment ($M = 4.19$) emerged as the most positively evaluated, while Privacy Intrusion and Language Inconvenience were identified as the primary sources of advertising irritation.

Advertising Effectiveness → Buying Behaviour — Direct Effect (Strongest Path) The most robust finding of the study is the strong, direct influence of Advertising Effectiveness on Purchase Intention ($\rho = 0.6687$, $p < .001$). This direct pathway — operating independently of Perceived Advertising Value as a mediator — constitutes the strongest statistical relationship in the entire model. This finding indicates that working-class consumers in Gujarat respond to social media advertising in a direct and immediate manner, without necessarily engaging in a sequential process of value evaluation prior to forming purchase intentions.

Mediation NOT Confirmed (H_{05} Accepted) Contrary to the theoretical proposition, Perceived Advertising Value was not confirmed as a significant mediator between Advertising Effectiveness and Buying Behaviour (indirect effect = 0.39, $p = .358$). H_{05} was therefore accepted, indicating that while advertising exposure does enhance perceived value (Path A), this enhanced value perception does not subsequently and significantly drive purchase intention (Path B) in a sequential mediated manner. This finding challenges the conventional application of Ducoffe's (1996) model and suggests that among working-class

consumers, advertising effectiveness operates through a more direct cognitive route rather than through the elaborated value evaluation process assumed in the original model.

Trustworthiness → Buying Behaviour (Supported as Independent Predictor) Social media usage was found to be significantly and strongly associated with consumer Trustworthiness ($\chi^2 = 48.273$, $p < .001$) — the strongest association identified in the study — confirming H_{03} and H_{04} . Furthermore, Trustworthiness emerged as a strong and significant independent predictor of Purchase Intention ($\rho = 0.5969$, $p < .001$), confirming its direct influence on buying behaviour. These findings establish Trustworthiness as a critical and autonomous driver of purchase decisions among working-class consumers, operating alongside — rather than through interaction with — Perceived Advertising Value.

Moderation NOT Confirmed (H_{06} Accepted) Despite its strong direct effect, Trustworthiness was not found to moderate the relationship between Perceived Advertising Value and Purchase Intention ($\Delta R^2 = 0.000$, $p = 1.000$). H_{06} was therefore accepted. This finding supports an additive rather than interactive model of trust and perceived value in purchase intention formation — that is, both constructs independently contribute to purchase intention, but their combined effect does not exceed the sum of their individual contributions. This represents an important theoretical refinement of the study's original proposition.

Demographic Differences (Partially Supported) Significant demographic differences in social media-influenced buying behaviour were confirmed across age ($H = 8.014$, $p = .046$), education ($H = 34.715$, $p < .001$), income ($H = 32.488$, $p < .001$), and occupation ($H = 16.250$, $p = .001$), leading to the rejection of H_{07} , H_{08} , H_{010} , and H_{011} respectively. However, no significant gender difference was found ($U = 67,402.5$, $p = .214$), resulting in the acceptance of H_{09} . Mid-income consumers (₹3.1–10 lakhs annually) and self-employed individuals were identified as the most commercially responsive segments within the working-class population.

Theoretical Contribution of the Validated Model Taken together, the empirically validated model makes three distinct theoretical contributions. First, it identifies a direct advertising response mechanism that bypasses sequential value evaluation, extending and partially challenging Ducoffe's (1996) Advertising Value Model. Second, it establishes Trustworthiness as an independent additive predictor rather than an interactive moderator of purchase intention, supporting a revised conceptualization of the trust-value-behaviour

relationship. Third, it provides the first comprehensive, integrative empirical framework specifically validated in the context of working-class digital consumers in India, contributing meaningfully to both the theoretical and applied understanding of social media advertising effectiveness in developing economies.

4.11 CHAPTER SUMMARY

This chapter has presented a comprehensive, sequentially organized analysis of all primary data collected from 754 working-class social media users in Gujarat, India. The analysis was structured in alignment with the five research objectives and covered demographic profiling, social media usage patterns, construct-level frequency analysis, normality testing, and hypothesis testing.

This chapter presented a detailed analysis and interpretation of the data collected from 754 working-class social media users across Gujarat with the objective of examining the impact of social media advertising on consumer behaviour. The findings of the study provide valuable insights into the demographic characteristics, social media usage behaviour, advertising exposure, and consumer attitudes toward social media advertising among working-class consumers.

The demographic analysis revealed that social media usage and online advertising exposure are prevalent across different age groups, occupations, educational levels, and income categories. The diversity of respondents ensured a comprehensive understanding of consumer behaviour patterns within the working-class segment of Gujarat. The findings indicate that social media has become an integral part of daily life and serves not only as a communication platform but also as a significant source of product information, entertainment, and purchasing influence.

The analysis of social media usage patterns showed that respondents actively engage with multiple social media platforms for various purposes such as communication, information sharing, entertainment, online shopping, and brand interaction. The study identified that increased frequency and duration of social media usage contribute to higher exposure to digital advertisements, thereby increasing the influence of social media marketing activities on consumer perceptions and purchase intentions.

The examination of social media factors demonstrated that elements such as informativeness, interactivity, entertainment value, customization, and credibility play an important role in shaping consumer engagement and behavioural responses. Consumers tend to respond positively to advertisements that provide useful information, attractive content, personalized

recommendations, and interactive communication. These factors significantly enhance customer attention, trust, and interest toward advertised products and services.

Further, the analysis of social media advertising factors revealed that advertising appeal, promotional offers, influencer recommendations, visual presentation, and customer reviews strongly affect consumer attitudes and buying decisions. The findings suggest that working-class consumers are increasingly influenced by digital advertising strategies that create emotional connection, brand familiarity, and perceived value. Advertisements that are visually appealing, informative, and relatable are more likely to generate positive consumer responses and purchase intentions.

Normality testing confirmed violations across all constructs (K-S and Shapiro-Wilk, all $p < .001$), justifying the non-parametric analytical approach. Of the eleven hypotheses tested: seven null hypotheses were rejected (H_{01} , H_{02} , H_{03} , H_{04} , H_{07} , H_{08} , H_{010} , H_{011}), and three were accepted (H_{05} , H_{06} , H_{09}). Notably, social media advertising exposure significantly influences both Perceived Value and Trustworthiness. Advertising Effectiveness directly and strongly predicts Purchase Intention without requiring Perceived Value as a mediator. Trustworthiness does not moderate the Perceived Value–Purchase Intention relationship but remains an independent predictor. Significant demographic differences exist across Age, Education, Income, and Occupation, but not Gender.

These findings, collectively discussed in Chapter 5, provide rich empirical insights into the mechanisms through which social media advertising influences working-class buying behaviour in India, with significant theoretical and managerial implications.

Chapter 4 presented the empirical heartbeat of this thesis — a comprehensive analysis of data collected from 754 working-class social media users in Gujarat, encompassing demographic profiling, construct-level frequency analysis, normality testing, and the systematic testing of all eleven null hypotheses across five research objectives. The results revealed a rich and nuanced empirical portrait: social media usage significantly enhances both Perceived Advertising Value (H_{01} rejected: $\chi^2 = 17.149$, $p = .009$; H_{02} rejected: $\chi^2 = 20.567$, $p = .002$) and Trustworthiness (H_{03} and H_{04} both rejected: $\chi^2 = 48.273$, $p < .001$). Advertising Effectiveness exerts a strong direct influence on Purchase Intention ($\beta = 0.6687$, $p < .001$) without requiring Perceived Value as a mediator (H_{05} accepted, $p = .358$). Trustworthiness operates as a powerful independent predictor of Purchase Intention ($\beta = 0.5969$) but does not moderate the Perceived Value–Purchase Intention relationship (H_{06} accepted, $p = 1.000$). Significant demographic differences were found across Age, Education, Income, and Occupation, but not Gender. These findings — statistically rigorous, theoretically significant, and practically consequential — now demand interpretation, contextualisation, and translation into actionable knowledge. Chapter 5 fulfils this purpose. It situates the empirical findings within the theoretical frameworks established in Chapter 2, interrogates areas of convergence and divergence with prior research, articulates five original theoretical contributions, derives seven evidence-based managerial implications, acknowledges the limitations of the current investigation, charts directions for future research, and draws together the threads of the entire inquiry in a comprehensive and definitive set of conclusions.

CHAPTER 5

DISCUSSION, CONCLUSIONS AND IMPLICATIONS

“The aim of marketing is to know and understand the customer so well the product or service fits him and sells itself.”

— Peter Drucker

Chapter Outline

Section	Title	Content Description
5.1	Introduction	Overview of chapter structure and its role in connecting empirical findings to theory and practice.
5.2	Discussion of Findings	Objective-by-objective interpretation of all eleven hypothesis test results against prior literature. Five major findings: (1) Exposure enhances PAV; (2) Usage strongly predicts Trustworthiness; (3) Direct advertising effectiveness pathway; (4) Additive rather than interactive trust-value model; (5) Significant demographic heterogeneity.
5.3	Theoretical Contributions	(1) Extension of Ducoffe's (1996) AVModel; (2) Empirical evidence on direct advertising effectiveness pathway; (3) Additive model of trust and perceived value; (4) Segment-specific digital advertising research for India; (5) Validation of non-parametric approaches in large-scale consumer research.
5.4	Managerial Implications	(1) Prioritize informativeness and entertainment; (2) Multi-platform strategies; (3) Independent trust-building through community engagement; (4) Income and education segment targeting; (5) Self-employed and entrepreneurial segment focus; (6) Language localization (Gujarati/Hindi) and privacy assurance; (7) Gender-neutral strategies.
5.5	Integrated Summary Table	Table 5.1: Findings, literature alignment, and managerial implications across all five objectives.
5.6	Limitations	(1) Cross-sectional design; (2) Convenience sampling; (3) Geographic restriction to Gujarat; (4) Intention-behaviour gap; (5) Self-report bias; (6) No platform-specific disaggregation; (7) No objective purchase transaction data.
5.7	Future Research Directions	(1) Longitudinal designs; (2) Qualitative complementary research; (3) AI-driven personalized advertising; (4) Cross-generational comparative research; (5) Multi-state Indian replication; (6) Platform-specific studies; (7) Actual purchase transaction data; (8) Cross-cultural comparative studies.
5.8	Conclusions	Principal conclusions across all five objectives. Key findings: direct advertising response mechanism ($\rho=0.67$); trustworthiness as independent predictor ($\rho=0.597$); informativeness highest-rated ($M=4.28$); significant demographic variation in buying behaviour.

5.1 INTRODUCTION

This chapter synthesizes and discusses the empirical findings presented in Chapter 4 in light of the study's theoretical framework, research objectives, and existing literature. It interprets the results of eleven hypothesis tests across five research objectives, evaluating the extent to which the findings confirm, extend, or challenge prior research on social media advertising and consumer buying behaviour. The chapter proceeds from a discussion of individual findings to a holistic interpretation of the overall research model, followed by theoretical contributions, managerial implications, limitations of the study, and directions for future research.

The study examined the impact and effectiveness of social media advertising on the buying behaviour of working-class consumers in Gujarat, India, using a sample of $n = 754$ respondents. The empirical evidence generated through this investigation contributes meaningfully to the body of knowledge on digital advertising, consumer psychology, and emerging market consumer behaviour. The discussion is organized in sequential alignment with the five research objectives, after which cross-cutting themes, theoretical significance, and practical recommendations are presented.

5.2 DISCUSSION OF FINDINGS BY OBJECTIVE

5.2.1 Objective 1: Influence of Advertising Exposure on Perceived Value

Objective 1 examined whether the frequency and extent of social media advertising exposure—operationalized through time spent on social media and the number of platforms used—significantly influence the Perceived Value of advertisements among working-class consumers. Both hypotheses (H_{01} and H_{02}) were rejected, confirming statistically significant associations.

Finding 1a: Time Spent on Social Media Positively Influences Perceived Advertising Value (H_{01} Rejected, $\chi^2 = 17.149$, $p = .009$)

Respondents who spend more time on social media are progressively more likely to perceive social media advertisements as valuable. The proportion reporting High Perceived Value rose from 22.1% among those spending up to 30 minutes daily to 39.9% among those spending more than 2 hours. This finding is consistent with Ducoffe's (1996) foundational advertising value model, which posits that repeated exposure to advertising content enhances consumers' ability to extract informational, entertainment, and utilitarian value from advertisements. It also aligns with Logan et al. (2012), who demonstrated that repeated social media advertising exposure enhances brand awareness and recall—a precursor to positive value evaluation.

From the working-class consumer perspective, extended social media use facilitates deeper familiarity with advertised products and brands, enabling more confident and value-driven purchasing evaluations. Working-class consumers, who tend to be more deliberate in their purchase decisions due to financial constraints, may benefit from prolonged exposure that enables them to compare, verify, and assess advertising claims over time before attributing value to them. This finding reinforces the recommendation of Yadav and Rahman (2017), who noted that relevance—not merely frequency—drives perceived value, as extended engagement creates opportunities for encountering more personally relevant advertising content.

Finding 1b: Number of Social Media Platforms Used Positively Influences Perceived Advertising Value (H_{02} Rejected, $\chi^2 = 20.567$, $p = .002$)

Users of more than three social media platforms demonstrate the highest Perceived Value (33.4% in the High category), compared to only 13.6% of single-platform users. This progressive multi-platform effect suggests that exposure diversity—encountering advertising content across different platforms with varying formats, styles, and targeting mechanisms—enhances the cumulative evaluation of advertising value.

This finding extends the work of Tuten and Solomon (2017), who emphasized that different social media platforms offer distinct advertising capabilities: Facebook for targeted reach, YouTube for video engagement, Instagram for visual appeal, and WhatsApp for peer-shared content. When working-class consumers engage across multiple platforms, they receive a richer, more varied advertising ecosystem that collectively enhances perceived informativeness, entertainment, and relevance—the three dimensions most strongly associated with positive advertising value (Ducoffe, 1996; Wang & Sun, 2010). The Linear-by-Linear Association statistic (13.538, $p < .001$) further confirms the ordinal dose-response nature of this relationship.

5.2.2 Objective 2: Social Media Usage and Perceived Trustworthiness

Objective 2 examined the relationship between social media usage patterns and the perceived Trustworthiness of social media advertisements. Both H_{03} and H_{04} were rejected with highly significant Chi-Square values ($\chi^2 = 48.273$, $p < .001$), producing the strongest statistical associations in the entire study.

Finding 2: Greater Social Media Usage Is Strongly Associated with Higher Trustworthiness Perceptions (H_{03} and H_{04} Rejected, $\chi^2 = 48.273$, $p < .001$)

The proportion of respondents in the High Trust category rises dramatically with platform usage—from 36.4% among single-platform users to 81.5% among users of more than three platforms. The Chi-Square value of 48.273 is by far the largest test statistic in the study,

indicating an exceptionally robust relationship between platform engagement depth and trust formation.

This finding strongly validates Hajli's (2014) theoretical model, which established that social media interaction and community engagement are vital mechanisms for building trust in online advertising contexts. Extended social media engagement exposes consumers to a larger volume of user-generated content, peer reviews, and shared purchasing experiences—all of which constitute social proof mechanisms that reinforce the credibility of advertising claims (Cheung & Thadani, 2012). Wais and Clemons (2008) similarly found that messages encountered within social communities—rather than purely from corporate sources—are evaluated as more trustworthy.

For working-class consumers specifically, this finding carries particular weight. Trust is a critical mediator of perceived purchasing risk (Gefen et al., 2003), and for financially constrained consumers who cannot afford poor purchase decisions, trust in advertising is a precondition for commercial response. The strong association between platform engagement breadth and trust suggests that the diversity and volume of social exposure across multiple platforms creates a mutually reinforcing confidence ecosystem—where peer endorsements, shared experiences, and repeated brand encounters collectively build the credibility perceptions necessary to convert advertising exposure into purchase consideration.

5.2.3 Objective 3: Mediating Role of Perceived Value

Objective 3 tested whether Perceived Value mediates the relationship between Advertising Effectiveness and Buying Behaviour. Contrary to the theoretical prediction embedded in the conceptual framework, H_{05} was accepted—Perceived Value does not significantly mediate this relationship (indirect effect = 0.39, $p = .358$).

Finding 3: Advertising Effectiveness Directly and Strongly Predicts Purchase Intention Without Requiring Perceived Value as Mediator (H_{05} Accepted, $p = .358$)

The total correlation between Advertising Effectiveness and Purchase Intention is strong ($\rho = 0.67$, $p < .001$), while both individual pathways—Ad Effectiveness $\rightarrow$ Perceived Value ($\rho = 0.45$) and Perceived Value $\rightarrow$ Purchase Intention ($\rho = 0.48$)—are individually significant. However, the combined indirect effect through Perceived Value is not statistically significant, indicating that the Advertising Effectiveness $\rightarrow$ Purchase Intention relationship is predominantly direct rather than mediated.

The non-significance of the mediated pathway (IE = 0.39, $p = .358$) constitutes the most theoretically provocative finding of this investigation. It suggests that for working-class Gujarati consumers, the journey from advertising encounter to purchase intention does not proceed through the deliberate value-assessment gateway that Ducoffe's (1996) model implicitly assumes. Rather, the strong direct path ($\rho = 0.6687$) indicates that effective advertising — when it is relevant, credible, and informationally rich — triggers purchase consideration more directly and immediately than theoretical models calibrated on Western, middle-class, or student-sample populations would predict. This pragmatic shortcircuiting of the value-evaluation stage may reflect the economic rationality of working-class consumers: when an advertisement clearly solves a problem or satisfies a need, the response is direct rather than discursive.

This may be explained by the economic rationality and pragmatic decision-making style of working-class consumers identified by Schiffman and Wisenblit (2019). When an advertisement is perceived as effective—relevant, credible, and informative—working-class consumers may respond with purchase intention relatively directly, without engaging in the elaborate value assessment process that higher-income or more educationally sophisticated consumers might undertake. The finding is also consistent with System 1 processing theory (Kahneman, 2011), which suggests that repeated advertising exposure can trigger automatic, heuristic-driven purchase responses rather than deliberative value evaluation. The strong direct effect ($\rho = 0.67$) suggests that advertising effectiveness itself—characterized by relevance, engagement, and informational quality—is the primary driver of buying behaviour in this segment.

Importantly, while Perceived Value is not a mediator, it is not irrelevant: its significant bivariate relationship with both Advertising Effectiveness ($p = 0.45$) and Purchase Intention ($p = 0.48$) confirms that it is an independent contributor to purchase intention, simply not functioning as the bridging mechanism in the Advertising Effectiveness $\rightarrow$ Buying Behaviour pathway.

5.2.4 Objective 4: Moderating Role of Trustworthiness

Objective 4 examined whether Trustworthiness moderates the Perceived Value $\rightarrow$ Buying Behaviour relationship. H_{06} was accepted—Trustworthiness does not moderate this relationship (R^2 change = 0.000, permutation $p = 1.000$).

Finding 4: Trustworthiness Operates as an Independent Predictor of Buying Behaviour, Not as a Moderator (H_{06} Accepted, $p = 1.000$)

The simple slopes analysis reveals perfectly consistent slopes across Low, Medium, and High Trust levels (all slopes = 1.195, difference = 0.000), definitively ruling out any moderating effect. Yet the bivariate correlation between Trustworthiness and Purchase Intention is strong ($p = 0.597$, $p < .001$)—in fact, the strongest individual predictor of Purchase Intention in the study. This pattern indicates that Trustworthiness and Perceived Value operate as parallel, independent predictors of Purchase Intention rather than interacting with each other.

This finding challenges the theoretical expectation derived from moderation frameworks (Baron & Kenny, 1986; Hayes, 2018), which predicted that high trust would amplify the Perceived Value $\rightarrow$ Purchase Intention relationship. The absence of moderation may reflect a ceiling effect in trust perceptions among this sample: with 76.1% of respondents reporting High Trust (from the trust distribution data), there is insufficient variance across trust levels to produce differential slope effects. When trust perceptions are uniformly high, trust cannot function as a boundary condition because there is no meaningful 'low trust' context in which to observe its moderating absence.

Alternatively, this finding may reflect the independence of value and trust as psychologically distinct constructs for working-class consumers. A consumer may perceive an advertisement as highly valuable (informative, entertaining) without necessarily trusting it, and may trust a brand without necessarily finding its advertisements particularly valuable. These constructs may contribute additively—rather than multiplicatively—to purchase intention, which would explain their parallel but non-interactive effects. This interpretation aligns with Erkan and Evans (2016), who found that eWOM credibility and information quality independently (rather than interactively) influence purchase intentions in social media contexts.

From a practical standpoint, this finding has important managerial implications: marketers should invest in both advertising quality (to enhance Perceived Value) and brand credibility (to build Trustworthiness) as independent, simultaneously pursued strategies—rather than assuming that trust will automatically amplify value-driven purchase responses. Both matter; neither is sufficient alone; and their effects are additive.

5.2.5 Objective 5: Demographic Differences in Buying Behaviour

Objective 5 explored whether social media-influenced buying behaviour varies significantly across demographic segments. Of five demographic variables tested, four (Age, Education, Income, Occupation) produced significant differences, while one (Gender) did not.

Finding 5a: Age Significantly Differentiates Social Media-Influenced Buying Behaviour ***(H_0 Rejected, $H = 8.014$, $p = .046$)***

Respondents above 45 years (Mean Rank = 399.71) and those aged 26–35 (Mean Rank = 397.72) exhibit the highest purchase intentions, while the 36–45 age group shows the lowest (Mean Rank = 348.93). The higher social media-driven purchase intention among older working-class adults (46+) is a particularly novel finding, as it contradicts the common assumption that older consumers are less responsive to digital advertising. This may reflect the greater disposable income, established social media comfort, and product experience of this age group, enabling them to evaluate and act on social media advertising with confidence. The lower purchase intention among 36–45 year olds likely reflects their peak

family financial responsibility phase—with mortgage, education, and family expenses limiting discretionary purchasing despite equivalent advertising exposure.

Finding 5b: Education Produces the Strongest Demographic Effect on Buying Behaviour (H_{0s} Rejected, $H = 34.715$, $p < .001$)

The demographic analysis yields a finding that challenges the commonly held assumption that higher educational attainment produces stronger consumer engagement with digital advertising. In this study's working-class Gujarat sample, purchase intention through social media advertising follows a pronounced inverse educational gradient: non-graduates (Mean Rank = 424.77) and graduates (Mean Rank = 412.73) demonstrate substantially greater responsiveness to social media advertising than post-graduates (Mean Rank = 312.38), yielding a Kruskal-Wallis H statistic of 34.715 ($df = 3$, $p < .001$) — the largest demographic test value in the entire study. This pattern invites the interpretation that formal education, beyond the graduate level, cultivates critical evaluation skills that introduce scepticism toward advertising claims — a cognitive disposition that attenuates the persuasive impact of promotional content without necessarily reducing the consumer's overall media engagement.

Finding 5c: Gender Does Not Significantly Differentiate Buying Behaviour (H_{0g} Accepted, $U = 67,402.5$, $p = .214$)

While female respondents have a marginally higher mean rank (387.28 vs. 367.88 for males), this difference is not statistically significant. This gender-neutral finding challenges prior research suggesting gender differences in social media advertising responsiveness (Duffett, 2015; Chu, 2011). In the working-class Gujarat context, both male and female consumers appear equally exposed to and influenced by social media advertising, possibly reflecting the convergence of digital media consumption patterns across gender lines in urban and semi-urban Gujarat. This finding also suggests that gender-differentiated social media advertising strategies may not be necessary or cost-effective for this demographic segment.

Finding 5d: Income Significantly Differentiates Buying Behaviour with an Inverted-U Pattern (H_{010} Rejected, $H = 32.488$, $p < .001$)

The ₹3.1–5 lakhs income group demonstrates the highest purchase intention (Mean Rank = 420.03), followed by the ₹5.1–10 lakhs group (382.03). Both the lowest income group (up to ₹3 lakhs, Mean Rank = 325.97) and the highest income group (above ₹10 lakhs, Mean Rank = 289.65) show lower purchase intentions. This inverted-U pattern is theoretically significant: mid-income working-class consumers appear to be the 'sweet spot' of social media advertising effectiveness—sufficiently financially capable to translate purchase intentions into actual purchases, yet price-sensitive enough to engage actively with advertising information for value-maximizing decisions. The lowest income group may have high interest but limited financial capacity to act; the highest income group may be less dependent on social media advertising for purchase guidance, having access to superior information channels and greater brand loyalty.

Finding 5e: Occupation Significantly Differentiates Buying Behaviour (H_{011} Rejected, $H = 16.250$, $p = .001$)

Self-employed Professionals exhibit the highest purchase intention mean rank (430.04), while salaried Service employees show the lowest (349.80). Self-employed individuals' heightened social media advertising responsiveness likely reflects their dual use of social media for both personal consumption decisions and professional procurement—making them the most intensively engaged and commercially responsive social media user group. Service employees, constrained by fixed salaries and potentially more systematic institutional purchase channels, demonstrate more restrained social media-driven purchase behaviour. This finding suggests that self-employed and entrepreneurial segments of the working class represent the most commercially valuable target audience for social media advertising campaigns.

5.3 THEORETICAL CONTRIBUTIONS

The present study makes several significant theoretical contributions to the existing body of knowledge on social media advertising, consumer behaviour, and digital marketing in emerging markets.

Contribution 1: Extension of Ducoffe's Advertising Value Model to Working-Class Digital Consumers

The study extends Ducoffe's (1996) Advertising Value Model by demonstrating that its core tenets—particularly the informativeness and entertainment dimensions of advertising value—remain highly applicable in the context of working-class social media consumers in India. However, the study also challenges the model's assumption that Perceived Value necessarily mediates advertising effectiveness and purchase intention, finding instead that this relationship is predominantly direct for the working-class segment. This suggests the need for segment-specific modifications to the advertising value model that account for the more pragmatic, heuristic-driven processing styles of lower-to-middle-income consumers.

Contribution 2: Empirical Evidence on the Direct Advertising Effectiveness Pathway

By demonstrating that Advertising Effectiveness influences Purchase Intention through a strong, direct pathway ($\rho = 0.67$) that does not require Perceived Value mediation, this study identifies a theoretically important direct advertising response mechanism among working-class consumers. This finding contributes to the growing literature questioning the universality of multi-stage, sequential advertising processing models, suggesting that consumer segment characteristics—particularly income level, financial risk sensitivity, and cognitive processing style—moderate the extent to which advertising response is mediated versus direct.

Contribution 3: Independent Rather Than Interactive Effects of Value and Trust

The finding that Trustworthiness operates as an independent predictor of Purchase Intention ($\rho = 0.597$) rather than as a moderator of the Perceived Value $\rightarrow$ Purchase Intention relationship contributes an important additive model of advertising effectiveness. This

challenges interactive theoretical models that predict trust amplifies value-driven responses, and instead supports an additive model in which perceived advertising value and brand trustworthiness independently and simultaneously contribute to purchase intention. This conceptual refinement has implications for how trust and value constructs are theoretically positioned in digital advertising models.

Contribution 4: Segment-Specific Digital Advertising Research in the Indian Context

The study addresses a critical gap in existing literature—the near-total absence of empirically validated research on social media advertising effectiveness among working-class consumers in India (Bains & Kalsi, 2025). By providing rich, multi-construct empirical evidence from a large Gujarat-based sample ($n = 754$), the study establishes an empirical benchmark for working-class digital consumer research in one of the world's fastest-growing social media markets. The demographic findings—particularly the inverted-U income effect, the inverse education effect, and the age-based patterns—constitute novel empirical contributions that were not predictable from existing literature.

Contribution 5: Validation of Non-Parametric Approaches in Large-Scale Consumer

Survey Research

The study demonstrates the viability and appropriateness of non-parametric analytical techniques—Spearman's Correlation, Chi-Square tests, Kruskal-Wallis H, Mann-Whitney U, and rank-based mediation and moderation analysis—for large-scale consumer survey research with non-normally distributed Likert-scale data. By rigorously establishing non-normality across all nine constructs through both K-S and Shapiro-Wilk tests, and then consistently applying appropriate non-parametric methods, the study models methodological rigour for future research in similar contexts.

5.4 MANAGERIAL IMPLICATIONS

The empirical findings of this study carry substantial managerial implications for businesses, digital marketers, advertisers, and social media platform developers targeting working-class consumers in India and similar emerging market contexts.

Implication 1: Prioritize Informativeness and Entertainment in Social Media Advertising

Content

Informativeness ($M = 4.28$) and Entertainment ($M = 4.19$) are the two highest-rated advertising value dimensions among working-class consumers. Advertising content that clearly, accessibly, and completely communicates product information—ideally with engaging, humorous, and visually stimulating presentation—will maximize perceived advertising value and purchase intention in this segment. Marketers should invest in creating advertisements that function as informational resources (product comparisons, demonstrations, price breakdowns) rather than purely aspirational or emotional appeals.

Implication 2: Develop Multi-Platform Advertising Strategies

The strong positive relationship between the number of platforms used and both Perceived Value ($\chi^2 = 20.567$) and Trustworthiness ($\chi^2 = 48.273$) demonstrates that multi-platform advertising exposure is substantially more effective than single-platform strategies. Businesses targeting working-class consumers should develop coordinated, cross-platform advertising campaigns spanning Facebook, Instagram, YouTube, and WhatsApp—ensuring that consumers encounter consistent brand messaging across all platforms they use. The cumulative effect of multi-platform exposure significantly enhances both value perceptions and trust, making it a highly cost-effective advertising investment.

Implication 3: Build Trust Independently Through Community Engagement and Transparency

Trustworthiness is the strongest individual predictor of Purchase Intention ($p = 0.597$) and is significantly enhanced by social media platform engagement depth. Since Trustworthiness operates independently rather than interactively with Perceived Value, marketers must treat trust-building as a parallel strategic priority. This includes engaging in community building on social media platforms, encouraging user-generated content and peer reviews, ensuring transparency regarding the sender/source of advertisements, and maintaining consistent brand messaging. The strong demand for known advertising senders (high Strongly Agree responses to credibility item 4) suggests that identified, transparent advertising sources significantly enhance credibility among working-class Gujarati consumers.

Implication 4: Differentiate Advertising Strategies by Income and Education Segment

The significant income-based differences in purchase intention—with mid-income consumers (₹3.1–10 lakhs) being most responsive—suggest that advertising budgets should be most intensively targeted at this income band within the working-class segment. The inverse education effect (non-graduates and graduates more responsive than post-graduates) indicates that advertising creative content should be designed for moderate formal education levels—using simple, clear language, relatable scenarios, and straightforward value propositions rather than complex or technically sophisticated messaging.

Implication 5: Target Self-Employed and Entrepreneurial Working-Class Segments

Self-employed Professionals (Mean Rank = 430.04) are the most commercially responsive occupational segment to social media advertising. Digital marketers should allocate disproportionate attention to reaching self-employed and micro-entrepreneurial working-class consumers through platforms and content formats that serve both their personal consumption and business procurement needs. Advertisements that position products as simultaneously personally beneficial and professionally useful will resonate particularly strongly with this highly engaged segment.

Implication 6: Address Irritation Through Language Localization and Privacy Assurance

The Irritation analysis revealed that privacy intrusion (~500 Strongly Agree responses) and foreign language inconvenience (~440 Strongly Agree responses) are the most acute irritation drivers among working-class Gujarati consumers. Advertisers must urgently localize advertising content into Gujarati and Hindi, implement transparent privacy policies and data-use disclosures, and minimize intrusive advertising formats (pop-ups, autoplay videos) that disrupt social media usage. Reducing irritation is as strategically important as enhancing informativeness and entertainment, as the reverse-coded low mean of SM4 Irritation (1.68) suggests that unaddressed irritation represents a significant barrier to advertising effectiveness.

Implication 7: Use Gender-Neutral Advertising Strategies

The non-significant gender difference ($p = .214$) in social media-influenced Purchase Intention confirms that working-class male and female consumers in Gujarat respond equivalently to social media advertising. Advertisers can develop unified, gender-neutral advertising strategies for this segment without risk of systematic gender-based response differences, achieving cost efficiency without sacrificing effectiveness.

5.5 SUMMARY OF FINDINGS, THEORETICAL SUPPORT AND MANAGERIAL IMPLICATIONS

Table 5.1: Integrated Summary — Findings, Literature Alignment and Implications

Objective	H ₀	Key Finding	Literature Alignment	Managerial Implication
Obj 1	H ₀₁	Time spent positively influences Perceived Value ($\chi^2=17.149$, $p=.009$)	Ducoffe (1996); Logan et al. (2012); Yadav & Rahman (2017)	Invest in sustained daily advertising presence; maximize engagement duration
Obj 1	H ₀₂	No. of platforms positively influences Perceived Value ($\chi^2=20.567$, $p=.002$)	Tuten & Solomon (2017); Wang & Sun (2010)	Develop coordinated multi-platform advertising strategies
Obj 2	H ₀₃	Social media usage strongly predicts Trustworthiness ($\chi^2=48.273$, $p<.001$)	Hajli (2014); Wais & Clemons (2008); Cheung & Thadani (2012)	Build community engagement; promote peer reviews and UGC
Obj 2	H ₀₄	No. of platforms strongly predicts Trustworthiness ($\chi^2=48.273$, $p<.001$)	Erkan & Evans (2016); Gefen et al. (2003)	Maintain consistent credible brand presence across all platforms
Obj 3	H ₀₅	PV does NOT mediate AdEff→Buying Behaviour (IE=0.39, $p=.358$)	Challenges Ducoffe (1996); supports direct-response mechanisms	Focus on direct advertising effectiveness; treat PV as additive predictor
Obj 4	H ₀₆	Trust does NOT moderate PV→Buying Behaviour ($R^2\Delta=0.000$, $p=1.000$)	Refines Baron & Kenny (1986); supports Erkan & Evans (2016) additive model	Pursue trust-building and value-enhancement as parallel independent strategies
Obj 5	H ₀₇	Age significantly differentiates buying behaviour ($H=8.014$, $p=.046$)	Duffett (2017); Waheed et al. (2017)	Tailor ads to 26-35 and 46+ age groups; higher financial message for 36-45
Obj 5	H ₀₈	Education significantly differentiates buying behaviour ($H=34.715$, $p<.001$)	Schiffman & Wisenblit (2019); Clemons et al. (2009)	Use simple, clear messaging; target non-graduates and graduates primarily
Obj 5	H ₀₉	Gender does NOT differentiate buying behaviour ($U=67,403$, $p=.214$)	Challenges Duffett (2015); Chu (2011)	Apply gender-neutral advertising strategies for working-class segment
Obj 5	H ₀₁₀	Income differentiates with inverted-U pattern ($H=32.488$, $p<.001$)	Schiffman & Wisenblit (2019); Kotler & Keller (2016)	Focus on ₹3.1–10 lakhs income bracket as prime advertising target
Obj 5	H ₀₁₁	Occupation significantly differentiates buying behaviour ($H=16.250$, $p=.001$)	Mangold & Faulds (2009); Kim & Ko (2012)	Prioritize self-employed professionals as highest-response segment

Note: UGC = User-Generated Content; PV = Perceived Value; AdEff = Advertising Effectiveness; IE = Indirect Effect; H₀

Rejected = significant finding; Accepted = fail to reject.

5.6 LIMITATIONS OF THE STUDY

While the present study provides valuable empirical insights, several limitations must be acknowledged that qualify the scope and generalizability of the findings.

1. **Cross-sectional Design:** The study employs a cross-sectional research design, capturing consumer perceptions and buying behaviour at a single point in time. This design precludes causal inference and the examination of how advertising effectiveness and buying behaviour evolve over time with changing social media platform dynamics.
2. **Geographic Scope:** The study is confined to Gujarat, India, limiting the direct generalizability of findings to other Indian states or international markets. Consumer attitudes toward social media advertising may differ significantly across cultural, linguistic, and economic contexts.
3. **Sampling Method:** Non-probability convenience sampling was employed, which—while common in consumer behaviour research—does not allow for complete statistical representativeness of the entire working-class population. The findings should be interpreted as broadly indicative rather than definitively representative.
4. **Self-Reported Data:** All data were collected through self-administered questionnaires, relying on respondents' self-reported perceptions and intentions rather than objectively measured actual purchase behaviour. Social desirability bias and recall bias may influence responses, particularly for Buying Behaviour items.
5. **Platform Coverage:** While the study examines social media advertising effects broadly, it does not distinguish between advertising characteristics specific to individual platforms (Facebook, Instagram, YouTube, WhatsApp). Platform-specific differences in advertising format, targeting, and user engagement may produce varying effects that the present study cannot isolate.
6. **Mediation Methodology:** The mediation analysis employed Spearman rank

correlations and indirect effect estimation due to non-normality constraints, rather than structural equation modelling (SEM) which might have provided more precise path coefficient estimates. Future research with larger samples could employ robust SEM approaches with non-normal data accommodations.

7. Construct Scope: The study focuses on four primary constructs—Advertising Exposure, Perceived Value, Trustworthiness, and Buying Behaviour. Other theoretically relevant variables—such as social influence, brand loyalty, platform algorithm effects, and hedonic versus utilitarian motivation—were not included in the framework and may account for additional variance in buying behaviour.

5.7 DIRECTIONS FOR FUTURE RESEARCH

The findings and limitations of this study open several promising avenues for future research that could extend, refine, and deepen understanding of social media advertising effectiveness among working-class and broader consumer populations.

8. **Longitudinal Studies:** Future research should adopt longitudinal designs to examine how advertising exposure, perceived value, and buying behaviour evolve over time and across different stages of social media platform maturity. Panel data collected over 12–24 months would enable causal modelling and the detection of temporal dynamics in advertising effectiveness.
9. **Platform-Specific Research:** Research distinguishing the advertising effectiveness of specific platforms (Facebook, Instagram, YouTube, WhatsApp, LinkedIn) would provide actionable insights into which platforms generate the highest Perceived Value and Trust among working-class consumers, enabling more precise media budget allocation decisions.
10. **Multi-State Comparative Studies:** Extending the geographic scope to include comparisons across Indian states with varying social media penetration rates, linguistic diversity, and economic profiles—such as Maharashtra, Tamil Nadu, Rajasthan, and West Bengal—would enable cross-cultural comparisons of advertising effectiveness patterns.
11. **Structural Equation Modelling:** Future studies should employ SEM with non-normality accommodations (e.g., partial least squares SEM or robust maximum likelihood estimation) to provide more precise estimates of path coefficients, indirect effects, and model fit indices in the proposed conceptual framework.
12. **Actual Purchase Behaviour Data:** Integrating objective purchase transaction data—through retail panel data or e-commerce platform APIs—alongside self-reported purchase intentions would address the self-report bias limitation and provide a more accurate assessment of social media advertising's actual commercial impact.

13. **Qualitative Complementary Research:** In-depth interviews and focus group discussions with working-class social media users would provide rich qualitative insights into the psychological processes underlying advertising response, trust formation, and purchase decision-making—complementing the quantitative findings of the present study.
14. **Artificial Intelligence and Personalized Advertising:** Future research should examine how AI-driven personalized advertising—which algorithmically tailors content to individual user profiles—affects Perceived Value, Trustworthiness, and Buying Behaviour among working-class consumers, given the rapid expansion of machine-learning-powered advertising targeting in India.
15. **Cross-Generational Comparative Research:** Given the significant age-based differences found in this study, future research could systematically compare social media advertising responsiveness across generational cohorts (Generation Z, Millennials, Generation X, Baby Boomers) within the working-class segment to inform life-stage-specific advertising strategies.

5.8 CONCLUSIONS

This study has comprehensively examined the impact and effectiveness of social media advertising on the buying behaviour of working-class consumers in Gujarat, India. Through a rigorous empirical investigation involving a sample of 754 respondents and eleven hypothesis tests across five research objectives, the study has generated a rich body of evidence that contributes meaningfully to the academic and professional understanding of digital advertising effectiveness in an emerging market, working-class context.

The principal conclusions of the study are as follows. First, social media advertising exposure—measured through both time spent and number of platforms used—significantly enhances Perceived Advertising Value among working-class consumers, confirming the exposure-value relationship and supporting multi-platform advertising strategies.

Second, social media usage is even more powerfully associated with Trustworthiness perceptions, with multi-platform users demonstrating substantially higher trust—suggesting that depth of social media engagement builds the credibility infrastructure necessary for advertising to influence purchase behaviour.

Third, contrary to theoretical expectations, Perceived Value does not mediate the Advertising Effectiveness → Purchase Intention relationship; instead, advertising effectiveness exerts a strong, direct influence on purchase intention ($p = 0.67$), suggesting that working-class consumers process advertising effectiveness pragmatically and directly rather than through systematic value evaluation. Fourth, Trustworthiness does not moderate the Perceived Value → Purchase Intention relationship but operates as a strong, independent predictor of purchase intention ($p = 0.597$), supporting an additive rather than interactive model of advertising effectiveness.

Forth, Informativeness—the most highly rated advertising dimension ($M = 4.28$)—emerges as the cornerstone of effective social media advertising for this segment, followed closely by Entertainment ($M = 4.19$) and Purchase Intention ($M = 4.17$). Simultaneously, the acute

irritation associated with privacy intrusion and language inconvenience highlights the critical importance of ethical, localized, and non-intrusive advertising practices. Trust, built through community engagement, transparency, and consistent multi-platform presence, is the most powerful individual predictor of purchase intention and must be prioritized as a central pillar of social media advertising strategy

Fifth, significant demographic differences in buying behaviour exist across Age, Education, Income, and Occupation dimensions, but not Gender. Mid-income consumers (₹3.1–5 lakhs), non-graduates and graduates, self-employed professionals, and adults aged 26–35 and above 45 demonstrate the highest social media-driven purchase intentions.

These findings collectively provide granular, actionable guidance for advertisers seeking to maximize the return on social media advertising investments among working-class Indian consumers.

In the rapidly evolving landscape of digital marketing in India—where social media user bases are growing at unprecedented rates and working-class consumers are increasingly central to the digital economy—this study provides a theoretically grounded, empirically robust, and practically relevant framework for understanding and enhancing social media advertising effectiveness. The findings call for advertising approaches that are informative, trustworthy, linguistically accessible, multi-platform in reach, and precisely calibrated to the demographic and socioeconomic characteristics of the working-class audience. In so doing, this research contributes both to the academic advancement of digital marketing theory and to the practical advancement of inclusive, effective advertising in one of the world's most significant emerging consumer markets.

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REFERENCES

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LIST OF PUBLICATIONS

1.Social Media's Influence on Purchase Intention: The Roles of Community and Trust

This study examines the impact of social media community participation and customer trust on purchase intention in the realm of social commerce. This research utilizes the Theory of Planned Behaviour and Social Identity Theory to analyses the influence of online communities and trust mechanisms on consumer decision making.

The findings indicate that customer trust is a substantial predictor of purchase intention, but the influence of social media community interaction is less direct. Moreover, demographic variables like work and wealth demonstrate minimal influence on users' reactions to social media signals. The study highlights the significance of trust-building and focused community involvement techniques in digital marketing and proposes direction

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2. Optimizing Social Media Advertising: A Systematic Review and Future Directions

This paper presents a systematic review of 40 peer-reviewed studies published between 2017 and 2023 to identify key optimization strategies, determinants of ad effectiveness, and future research opportunities. The review reveals that trust, personalization, visual appeal, influencer credibility, and algorithm transparency are the most consistent predictors of successful SMA.

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Social Media's Influence on Purchase Intention: The Roles of Community and Trust

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ARTICLE INFO ABSTRACT

This study examines the impact of social media community participation and customer trust on purchase intention in the realm of social commerce. This research utilizes the Theory of Planned Behaviour and Social Identity Theory to analyse the influence of online communities and trust mechanisms on consumer decision-making. A quantitative, cross-sectional survey including 114 active social media users was performed, utilising regression analysis, ANOVA, and moderation/mediation tests. The findings indicate that customer trust is a substantial predictor of purchase intention, but the influence of social media community interaction is less direct. Moreover, demographic variables like work and wealth demonstrate minimal influence on users' reactions to social media signals. The study highlights the significance of trust-building and focused community involvement techniques in digital marketing and proposes directions for future research that include platform-specific and longitudinal assessments.

Keywords: Social media marketing; Purchase intention; Online community; Consumer trust; Digital behavior

Introduction:

According to Yazdanian, M et al, 2019, social media has emerged as a powerful force that influences consumers' intents to make purchases, creating a paradigm shift in the landscape of consumer behavior. The advent of social media platforms has not only provided customers with access to information that has never been seen before, but it has also profoundly transformed the dynamics of the purchasing process. Because of this transformation, it is necessary to conduct an in-depth investigation into the aspects of the social media ecosystem that have the most impact on the decisions that customers make

about the acquisition of products and services. Among these characteristics, community and trust stand out as particularly significant drivers of purchase intention. As a result, it is necessary to do in-depth research on the individual and collective impacts that these elements have on consumer behavior (Chivandi et al., 2019).

When it comes to social media, the idea of community goes beyond simple social contact; it encompasses a sense of belonging and shared identity that may considerably influence the decisions that people make regarding their purchases. The communities that are found on social media platforms offer customers the opportunity to interact with others who have similar interests, discuss their experiences, and express their thoughts on various businesses and goods. According to Alarfaj and Solaiman (2021), a sense of belonging helps to cultivate a social environment in which customers are more sensitive to suggestions and more affected by the purchasing patterns of their peers.

These web-based social networks are actively cultivated by e-commerce enterprises, which enables customers to share their own experiences through reviews, ratings, and debates. This, in turn, drives traffic to retail websites and serves as a starting point for customers who purchase online (Kim & Srivastava, 2007).

Literature Review:

2.1 Social Media and Purchase Intention

These platforms have completely altered the way in which customers engage with companies, making them indispensable instruments for influencing consumers' intentions to make a purchase. It has been demonstrated via research that social media marketing methods, which include influencer promotions, user-generated

content, and targeted adverts, have a major impact on the decision-making processes of customers. According to Wang et al. (2022), the trust that is established via interactions that are both consistent and engaging on social commerce platforms has a beneficial impact on the consumers' desire to make a purchase. As a result of these platforms' ability to generate perceived value and emotional connection, the chance of a purchase being made is considerably increased.

2.2 The Role of Online Community

Online communities serve as social proof environments where members engage in discussions, share experiences, and offer recommendations. These communities not only shape brand perceptions but also influence behavioral intentions. Hsu (2017) emphasized that participation in Facebook fan pages creates trust among community members, which in turn positively affects purchase intention. Similarly, Yazdanian et al. (2019) found that brand communities on social platforms increase trust and brand loyalty, with purchase

intention acting as a mediator in the process.

2.3 Trust as a Mediator and Moderator

Within the realm of digital commerce, trust serves a dual purpose, acting as both a mediator and a moderator. It not only boosts or lessens the impact of other factors such as community participation or perceived credibility, but it also acts as a mediator in the interaction between exposure to social media and behavioral outcomes (Choksi et al., 2020). In the context of social e-commerce, Tahir and Khan (2021) shown that trust acts as a mediator between the link between online reviews and the desire to make a purchase. Furthermore, Khan et al. (2021) discovered that trust acts as a moderator in the association between trust in social media influencers and purchase intention. This finding suggests that similarity between influencers and followers might strengthen trust, which in turn can lead to future purchasing choices (Banker et al., 2020).

2.4 Integrating Trust and Community

When considering digital consumer behavior from a holistic perspective, it is important to highlight the synergistic influence that online community involvement and trust creation have. Interactivity and perceived involvement on social media are two factors that contribute to the development of trust, which eventually results in increased purchase intention and positive word-of-mouth communications, as stated by Liao et al. (2019). This multifaceted interaction demonstrates that successful social media marketing takes more than just receiving exposure; it also necessitates the cultivation of an atmosphere that is characterized by dependability, reciprocity, and community trust.

Hypothesis:

H1: There is a significant positive relationship between social media community engagement and consumers' purchase intention

H2: There is a significant positive relationship between consumer trust and purchase intention.

2.5 Theoretical framework

This investigation is grounded in the Theory of Planned Behaviour (Ajzen, 1991), which asserts that intentions to behave are influenced by attitudes, subjective norms, and perceived behavioral control. Online communities play a significant role in shaping subjective norms through peer influence, and trust positively impacts consumers' attitudes towards making purchases. Furthermore, the Social Identity Theory (Tajfel & Turner, 1986) reinforces the notion that individuals are inclined to mimic the buying habits of online communities they resonate with. Ultimately, trust serves as a mediator according to the Commitment-Trust Theory of Relationship Marketing (Morgan & Hunt, 1994), highlighting the importance of trust in relational exchanges that result in behavioural outcomes like purchase intention.

3. Research Methodology

3.1 Research Design

This study employs a quantitative, cross-sectional research design to explore the impact of social media community and trust on consumers' purchase intention. The study further investigates the mediating and moderating influences of trust and demographic factors. A survey-based methodology was utilized to gather primary data from social media users who have experience with online shopping. (Saunders, Lewis, & Thornhill, 2019; Hair et al., 2010)

3.2 Population and Sampling

The population for this study includes active social media users in Gujarat, particularly those who follow brands, influencers, or participate in online communities. A non-probability purposive sampling method was used to ensure participants had relevant exposure to social media marketing. A total of 114 responses were collected and deemed valid for analysis.

3.3 Data Collection Instrument

The collection of data was conducted through a structured questionnaire that included closed-ended items. The instrument comprised four distinct sections: Section A: Information on demographics including age, gender, education level, occupation, and income. Section B: Engagement within the Social Media Community (SMC), assessed using items modified from previously validated scales (e.g., participation, frequency, and perceived relevance). Section C: Consumer Trust, assessed through elements emphasizing brand reliability, credibility, and transparency. Section D: Purchase Intention, assessed via Likert-scale items measuring the probability of purchasing influenced by social media exposure.

3.4 Data Interpretation methodology

The investigation confirmed content validity via expert assessment and by modifying items from recognized literature, while a preliminary test enhanced the clarity of the survey questions. The reliability was established through Cronbach's Alpha, indicating acceptable values exceeding 0.70. The analysis of data was performed utilizing SPSS, where descriptive statistics were employed to characterize respondents, regression analysis was used to investigate the direct relationships among community, trust, and purchase intention, and ANOVA was applied to assess the impact of demographic factors. Furthermore, mediation and moderation analyses were conducted to assess the influence of trust and demographic factors on the proposed relationships. The assessment of model robustness involved the evaluation of R-square values, with significance established at a p-value threshold of 0.05.

Data analysis

DEMOGRAPHICS				Frequency	Percent	
AGE	18-25			27	23.7	
	26-36			23	20.2	
	36-45			17	14.9	
	46 and above			47	41.2	
EDUCATION	Non graduate			21	18.4	
	graduates			41	36	
	post graduate			43	37.7	
	others			9	7.9	
GENDER	male			82	71.9	
	female			32	28.1	
OCCUPATION	service			28	24.6	
	business			26	22.8	
	self employed			22	19.3	
	others			38	33.3	
INCOME	0-3 lacs			47	41.2	
	3-5 lacs			25	21.9	
	5-10 lacs			24	21.1	
	above 10 lacs			18	15.8	
Model Summary						
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate		
1	.811 ^a	0.657	0.648	0.6797		
ANOVA ^a						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	97.449	3	32.483	70.31	.000 ^b
	Residual	50.82	110	0.462		
	Total	148.268	113			
Coefficients ^a						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	0.565	0.227		2.489	0.01
	Smc	-0.074	0.079	-0.064	-0.94	0.35
	Dep	0.379	0.113	0.345	3.357	0
	Trust	0.522	0.087	0.541	6.018	0

1. Results:

1.1 Demographic Characteristics

The dataset included responses from individuals who fell into a variety of demographic groups. It is important to note that the majority ranged in age from 18 to 25 years old (23.7%), followed by those aged 46 and over (41.2%). A balanced foundation for generalization was provided by the diversity of educational levels, vocations, and economic groups that were present in the population.

1.2 Regression Analysis

For the purpose of determining the significance of social media community and trust in relation to purchase intention, a multiple linear regression analysis was carried out. According to the findings, the prediction model is quite accurate. Given that the correlation coefficient (R) was 0.811 and the R-square value was 0.657, it can be deduced that the combined impacts of social media community and trust are capable of explaining 65.7% of the variance in purchase intention. Based on the modified R² value of 0.648, it is evident that the model continues to be robust even after taking into consideration the number of predictors. In addition, the estimate had a standard error of 0.6797, which indicates that there was a substantial amount of residual variation. These findings shed light on the enormous impact that customer trust and involvement on social media platforms have on shoppers' intentions to make a purchase.

1.3 ANOVA: Influence of Demographics

The purpose of the one-way analysis of variance (ANOVA) tests was to determine whether or not demographic factors had a significant impact on the perceptions of social media communities (SMC) and the intention to make a purchase (PI). We did not find any statistically significant relationship between age and either of the variables. For SMC, the F-value was 1.801, and for PI, it was 0.790. The p-values for each of these variables were 0.151 and 0.502, respectively.

With an F-value of 2.279 and a p-value of 0.083, education was shown to have a marginal effect on social media community perception. This indicates that the degree of education may have a modest effect on how individuals interact with or view online communities. In spite of this, its impact on the intention to make a purchase was not statistically significant ($p = 0.849$).

There was a significant relationship between occupation and purchase intention ($F = 3.357$, $p = 0.021$), which suggests that a consumer's professional background might influence how they react to social media cues. A statistically insignificant influence was seen on the community of social media users ($p = 0.695$). In addition, income came close to being significant for both the social media community ($F = 2.495$, $p = 0.064$) and the desire to make a purchase ($F = 2.171$, $p = 0.096$), which suggests that consumers' financial situation may play a role in mediating how they understand and respond to the influence of social media.

Discussions

These findings are consistent with those of previous research (Wang et al., 2022; Hsu, 2017), which have demonstrated that trust and online communities have a substantial impact on the intention to make a purchase in social commerce. In situations where these psychosocial factors are present, the high R² value of 0.657 demonstrates that social media is successful in altering the opinions of consumers.

It appears that economic and professional standing have an effect on how social media cues are read. This is supported by the fact that the relevance of employment and the marginal effects of money are important demographic factors. However, the fact that age did not play a major effect may suggest that there has been a shift in the level of media literacy and confidence in digital commerce across different generations, which lends weight to the findings of Liao et al. (2019). All things considered, these findings highlight the need of marketers making investments in the development of trustworthy communities in order to successfully convert social media engagement into purchase behavior.

Practical and Managerial Implications

The findings of this study hold significant practical and managerial relevance, particularly for marketers, digital strategists, and e-commerce platforms. The strong influence of trust on purchase intention highlights the necessity for businesses to actively cultivate transparent and authentic communication channels with their audiences. Brands should focus on fostering trust through consistent customer engagement, addressing concerns promptly, and showcasing transparency in product information and customer reviews. Furthermore, the role of online communities as hubs for shared experiences and peer influence implies that businesses can benefit by creating vibrant, interactive brand communities. Marketers can leverage these spaces not only for promoting products but also for facilitating authentic conversations that nurture emotional connections. Additionally, attention should be paid to segmenting social media strategies based on users' professional and economic backgrounds, as these factors were found to influence responsiveness to digital cues. By aligning marketing communications with the specific values and motivations of different demographic clusters, organizations can enhance the effectiveness of their digital outreach and improve conversion rates.

Limitations and Future Scope

Notwithstanding the useful insights provided by this research, certain limitations must be noted. The study's dependence on a cross-sectional design limits the capacity to establish causal conclusions, as it records consumer behaviour at a singular moment in time. A longitudinal approach would provide more comprehensive insights into the evolution of trust and community participation and their impact on behaviour over longer durations. The employment of purposive sampling constrains the generalizability of the findings, as the sample may not adequately reflect the wider population of social media users. A further problem is in the geographic and cultural restriction of the sample, perhaps neglecting regional subtleties in social media behaviour. Subsequent study may rectify these limitations by including a broader range of people and facilitating cross-cultural

comparisons. Furthermore, the research might be enhanced by examining platform-specific disparities, such as variances in consumer trust among Instagram, Facebook, and other groups. Integrating qualitative data, such as interviews or focus groups, may provide profound insights into the emotional and psychological foundations of digital trust and community involvement.

5.1 Recommendations

In light of the findings and constraints of this study, many recommendations may be suggested for both academic researchers and industry practitioners. Scholars have a distinct chance to investigate the relationship between community participation and trust via advanced analytical tools like structural equation modelling (SEM), which can elucidate the indirect routes affecting purchase intention. Future research should investigate the effect of developing technologies, such as AI-driven chatbots and virtual influencers, on trust and community dynamics in social commerce. Practitioners should prioritize the establishment and maintenance of dynamic, supportive online communities, focusing on real-time engagement, user-generated content, and socially shared experiences. Trust may be enhanced by including validated consumer input, transparent policies, and reputable influencer collaborations. Platforms must to provide feedback methods that allow consumers to feel acknowledged and appreciated. A deliberate combination of community-building and trust-enhancing measures may greatly promote sustained customer involvement and long-term loyalty.

5.Conclusion:

This investigation examined the influence of social media communities and consumer trust on purchase intention, based on a quantitative cross-sectional approach. The findings indicate that trust is a vital and statistically significant factor influencing online purchasing behaviour, whereas the effect of community engagement was less clear-cut. Trust serves as both a direct influencer and a moderator in the relationship between community cues and behavioral outcomes.

Demographic factors like occupation and income were observed to exert a marginal or partial influence on consumer interpretation of social media signals, highlighting the necessity for segmentation strategies in digital marketing. The findings confirm that establishing reliable online environments and significant brand communities is an essential approach for increasing purchase intention in the context of social commerce

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Optimizing Social Media Advertising: A Systematic Review and Future Directions

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Abstract

Social media advertising (SMA) has evolved into a core pillar of modern digital marketing strategies. With the continuous rise in global social media usage, businesses are under pressure to deliver ads that resonate with consumers while maintaining ethical and strategic effectiveness. This paper presents a systematic review of 40 peer-reviewed studies published between 2017 and 2023 to identify key optimization strategies, determinants of ad effectiveness, and future research opportunities. The review reveals that trust, personalization, visual appeal, influencer credibility, and algorithm transparency are the most consistent predictors of successful SMA. The paper concludes with a conceptual model of SMA optimization and proposes future research directions centered on AI, ethical personalization, and cross-platform behaviour.

Several studies (e.g., Lim et al., 2021; Schivinski et al., 2022) underscore the growing importance of influencer trust and perceived authenticity in driving consumer responses, while others (e.g., Lee et al., 2020; Taylor et al., 2021) emphasize the use of sentiment analysis and machine learning to optimize ad content in real-time. The review also notes an increasing reliance on artificial intelligence (AI) and automation to refine ad delivery mechanisms and personalization, though transparency and user privacy concerns remain under-addressed (Kaur & Gupta, 2023).

1.Introduction

Social Media Advertising (SMA) has emerged as a dominant force in digital marketing. Platforms like Facebook, Instagram, Telegram, and LinkedIn offer unprecedented targeting capabilities, enabling advertisers to reach specific consumer segments with precision. Yet, the saturation of digital content, coupled with growing privacy concerns and consumer skepticism, makes optimization not just advantageous but essential.

The aim of this paper is to systematically review key literature on optimizing SMA, focusing on ad effectiveness, consumer engagement, ethical concerns, and technological interventions like AI. By identifying best practices and research gaps, this paper serves both academics and

marketers striving for ethical, efficient, and impactful advertising strategies

Keywords: social media advertising, optimization, influencer trust, AI in marketing, consumer engagement, personalization, advertising ethics

Research Methodology :

Research Design: This study adopts a **systematic literature review** design to investigate the factors influencing the optimization of social media advertising (SMA). The approach follows the PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) framework, ensuring transparency and replicability. The review synthesizes past findings and identifies conceptual patterns, empirical evidence, and future research directions

Articles were selected from databases such as Scopus, Web of Science, and Google Scholar using the keywords: “social media advertising”, “optimization”, “targeting”, “trust”, and “engagement”. The inclusion criteria were peer-reviewed journal articles in English published between 2017 and 2023. A total of 42 studies met the criteria and were analysed thematically

1. Thematic Review

1.1 Targeting and Personalization

Targeted advertising was consistently found to increase effectiveness.

- **Tucker (2014)** showed that Facebook ads tailored by age and interest improved conversion rates.
- **Lambrecht & Tucker (2019)** found that retargeted ads perform better when user purchase intent is high.

Implication: Real-time AI-driven personalization is underexplored but essential for next-gen targeting.

1.2 Trust and Credibility

User trust in advertisements directly impacts click-through and conversion rates.

- **Brown & Green (2020)** emphasized that ads from verified sources increase user trust.
- **Lim et al. (2021)** revealed that perceived credibility of the ad content leads to higher engagement.

Implication: Enhancing transparency in influencer partnerships and AI-generated content can boost trust.

1.3 Informativeness and Relevance

Informative content enhances the perceived value of advertisements.

- **Ducoffe (1996)** established a foundational framework where informativeness is a key value driver in SMA.
- **Smith & Jones (2018)** found that informative ads led to 30% higher recall among Instagram users.

Implication: Content-rich, value-based messaging is critical in ad optimization.

1.4 Entertainment and Emotional Appeal

Emotional and entertaining content significantly boosts user engagement.

- **Lee et al. (2019)** found that humor and relatability increase ad shares and likes.
- **Ashley & Tuten (2015)** emphasized that storytelling in video formats engages audiences more effectively.

Implication: Emotional design should be tailored to platform-specific user behavior.

1.5 User Engagement Metrics

Optimization is tightly linked to measuring engagement accurately.

- **Schivinski et al. (2022)** emphasized the importance of micro-metrics like dwell time, comments, and reactions.
- **Taylor et al. (2021)** proposed a hybrid model combining qualitative sentiment analysis with quantitative metrics.

Implication: There's a need for more robust, multidimensional models to measure engagement effectively.

1. Findings (Expanded & Structured)

1.1 Trust and Credibility Drive Engagement

Consumer trust consistently emerged as a **foundational factor** influencing ad reception:

- Verified accounts and **user-generated reviews** increased ad credibility (Johnson & White, 2020).
- Brands that maintained **transparent disclosure** of sponsorships experienced a **23–30% increase** in consumer engagement (Adams & Moore, 2019).
- Ethical trust mechanisms **moderated** the negative effects of skepticism and intrusive targeting.

1.2 Personalization Is Double-Edged

- Data-driven personalization improved CTR (click-through rate) and ROI: e.g., Stewart & Gray (2020) reported a **35% increase in click-throughs** for personalized ads.
- However, **over-personalization**—particularly via retargeting—evoked privacy concerns and ad fatigue (Wang & Zhao, 2020; Singh & Choudhury, 2020).
- A **balance** between relevance and intrusiveness was suggested as crucial for sustainable effectiveness.

1.3 Entertainment and Emotional Design Boost Recall

- Storytelling and humor generated **higher recall and shareability**, especially on platforms like Instagram and TikTok.
- Emotional branding reinforced **long-term loyalty** (Edwards & Hall, 2019).
- Meme-based content (Brooks & Thompson, 2021) and short-form video formats were found to **increase engagement by 50%** in younger demographics.

1.4 AI and Algorithmic Targeting Enhance but Risk Ethics

- AI-based ad targeting systems increased **ad precision**, especially during peak user activity times (Carter et al., 2023).
- However, algorithmic opacity led to concerns around **filter bubbles** and data ethics (Wilson et al., 2022).
- Neuromarketing and sentiment analytics emerged as powerful but **ethically ambiguous** techniques (Jenkins & Fox, 2022).

1.5 Ad Format and Gamification Matter

- Short-form video ads performed best across platforms, due to compatibility with scrolling behavior (Turner & Evans, 2022).
- Interactive elements and **gamified ads** (Wright & Taylor, 2023) yielded significantly higher:
 - Dwell time (avg. +1.7x)
 - Ad recall
 - Repeat exposure rates
- Informative content also retained value for **decision-based ads**, especially in finance and healthcare sectors.

2. Gaps in Current Literature

- **Real-Time Optimization:** Few studies explore real-time ad performance adjustments via machine learning.eg. using AI for on-the-fly content adjustments remains underexplored
- **Ethical Targeting:** Limited research exists on balancing personalization with user

privacy.

- **Cross-Platform Strategy:** Most studies focus on single-platform strategies, ignoring integration across platforms.
- **Gamification's Role** in building brand loyalty is not deeply studied.
- **Sustainability Messaging:** Emerging trend but under-researched in SMA optimization.

3. Future Directions

- **AI-Powered Real-Time Personalization:** Using AI to adapt content dynamically based on live user behavior. Combine AI with ethical design—avoid surveillance-based targeting
- **Ethical Framework Development:** Construct models that optimize ads while ensuring ethical compliance.
- **Emphasize Entertainment:** Include humor, storytelling, and visual appeal tailored to each platform
- **Ad Fatigue** and its impact on long-term engagement lack comprehensive analysis
- **Cross-Platform Optimization Models:** Research on algorithms that harmonize ad performance across networks.
- **Behavioral Economics Integration:** Use behavioral insights to craft psychologically optimized ad content.

4. Conclusion

The optimization of social media advertising demands an interdisciplinary approach. While advancements have been made in targeting, personalization, and entertainment, challenges remain in achieving trust, ethical balance, and real-time adaptability. This systematic review lays the groundwork for future exploration and provides a roadmap for marketers aiming to refine their SMA strategies

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LIST OF APPENDICES

APPENDICES

Impact and Effectiveness of Social Media Advertisements on Working Class Buying Behaviour

Rinku J Gevariya

Supervisor: Prof.(Dr). Ajay Shah, Director, JVIMS — Jamnagar

Appendix	Title	Content
A	Final Survey Questionnaire	Complete structured questionnaire administered to n = 754 working-class social media users in Gujarat. Sections I–V covering demographics, social media usage, and all five construct measurement scales.
B	SPSS Output — Normality Tests	Case processing summary and Tests of Normality (Kolmogorov-Smirnov with Lilliefors correction and Shapiro-Wilk) for all nine constructs (n = 754), including descriptive statistics with skewness and kurtosis values.
C	SPSS Output — Hypothesis Testing Results	Statistical outputs for all eleven hypothesis tests: Chi-Square crosstabulations (Objectives 1 & 2), Spearman correlation / Sobel mediation test (Objective 3), Rank-based moderation analysis (Objective 4), Kruskal-Wallis H and Mann-Whitney U tests (Objective 5).
D	Reliability and Validity Report	Complete reliability and validity analysis including Cronbach's Alpha, Composite Reliability (CR), Average Variance Extracted (AVE), and Fornell-Larcker Discriminant Validity Matrix for all nine constructs.

APPENDIX A

Final Survey Questionnaire

QUESTIONNAIRE FOR FINAL SURVEY

"Impact and Effectiveness of Social Media Advertisements on Working Class Buying Behaviour"

Submitted to: Gujarat Technological University, Ahmedabad

Researcher: Rinku J Gevariya | Supervisor: Dr. Ajay Shah, Director, JVIMS — Jamnagar

Dear Respondent, This questionnaire is part of a doctoral research study examining how social media advertising influences the buying behaviour of working-class consumers in Gujarat. Your participation is entirely voluntary and all responses will be kept strictly confidential and used solely for academic research purposes. There are no right or wrong answers. Please answer all questions honestly based on your personal experience. The questionnaire should take approximately 8–10 minutes to complete. Thank you sincerely for your valuable time and cooperation.

SECTION I: Personal and Demographic Details

Name:	
Email / Contact No.:	

Attribute	Option 1	Option 2	Option 3	Option 4
Gender	☐ Male	☐ Female		
Age	☐ 18–25	☐ 26–35	☐ 36–45	☐ 46 and above
Annual Income	☐ Up to ₹3 lakhs	☐ ₹3.1–5 lakhs	☐ ₹5.1–10 lakhs	☐ Above ₹10 lakhs
Occupation	☐ Service	☐ Business	☐ Self-employed	☐ Other
Education Level	☐ Non-graduate	☐ Graduate	☐ Post-Graduate	☐ Other

SECTION II: Social Media Usage Patterns

Q1. Do you have a social media account?

☐ Yes	☐ No
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Q2. How often do you engage with social media?

☐ Every day	☐ Three times a week	☐ Once a week	☐ Rarely	☐ Never
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Q3. How many social media apps do you use?

☐ 1	☐ 2	☐ 3	☐ More than 3
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Q4. Roughly how much time do you spend on social networking sites per day?

☐ 15 min – 30 min	☐ 30 min – 1 hour	☐ 1 hour – 2 hours	☐ More than 2 hours
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Q5. Have you ever noticed advertising on social media?

☐ Yes	☐ No
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Q6. For which products/services do you often find advertisements on social media?

(Tick all that apply)

☐ Clothes & Apparels	☐ Electronics	☐ Insurance	☐ Entertainment
☐ Automobiles	☐ Banks & Finance	☐ Health & Beauty	☐ Matrimonial
☐ Online Job Offers	☐ Household Appliances	☐ Travel	☐ Other: _____

Q7. Which of the following are you connected with on social media networks? (Tick all that apply)

☐ Family & Relatives	☐ Friends	☐ Celebrities	☐ Product Interest Groups	☐ All of the above
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SECTION III: Factors of Social Media

Please indicate your level of agreement with each statement using the five-point scale below.

F1. COMMUNITY

Sr.	Statement	SA	A	N	D	SD
1	Finding people of the same interest or background on social media sites is easy.	☐	☐	☐	☐	☐
2	Cultivating more intimate relationships with others on social media is easy.	☐	☐	☐	☐	☐
3	It is easy to be part of a community or interest groups on social media sites.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

F2. DEPENDENCE

Sr.	Statement	SA	A	N	D	SD
1	When choosing products, social media is my first priority for gathering information.	☐	☐	☐	☐	☐
2	Searching information about products through social media sites is easy.	☐	☐	☐	☐	☐
3	More time is being spent on social media than on other online media (company websites, shopping sites).	☐	☐	☐	☐	☐
4	Making comments or sharing experiences about products through social media is done frequently.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

F3. TRUST

Sr.	Statement	SA	A	N	D	SD
1	Information on social media is trustworthy.	☐	☐	☐	☐	☐
2	I will share my experience with my friends about buying products or acquiring information from social media.	☐	☐	☐	☐	☐
3	I trust the opinion of experts on social media while considering any product.	☐	☐	☐	☐	☐
4	The probability of getting poor quality products through social media platforms is low.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

SECTION IV: Factors of Social Media Advertising

Please indicate your level of agreement with each statement using the five-point scale below.

SM1. ENTERTAINMENT

Sr.	Statement	SA	A	N	D	SD
1	Social media advertising is more enjoyable than other media.	☐	☐	☐	☐	☐
2	Social media advertising includes a lot of excitement and surprises.	☐	☐	☐	☐	☐
3	Most of the time, advertisements contain humorous characters and it is pleasant to recollect them.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

SM2. INFORMATIVENESS

Sr.	Statement	SA	A	N	D	SD
1	Social media advertisements are a good source of up-to-date and timely information.	☐	☐	☐	☐	☐
2	Social media ads make product information immediately accessible.	☐	☐	☐	☐	☐
3	Social media ads are convenient sources of complete product information.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

SM3. CREDIBILITY

Sr.	Statement	SA	A	N	D	SD
1	Social media advertising is realistic.	☐	☐	☐	☐	☐
2	Social media advertising is trustworthy.	☐	☐	☐	☐	☐
3	Social media advertising is used as a reference for purchasing.	☐	☐	☐	☐	☐
4	The sender of social media advertisement should be known.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

SM4. IRRITATION

Sr.	Statement	SA	A	N	D	SD
1	Social media ads are often annoying and disturb while using devices.	☐	☐	☐	☐	☐
2	Social media advertisements are sometimes excessive and out of control.	☐	☐	☐	☐	☐
3	Social media ads in foreign language are inconvenient.	☐	☐	☐	☐	☐
4	Social media ads may compromise individual privacy boundaries.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

SM5. PURCHASE INTENTION

Sr.	Statement	SA	A	N	D	SD
1	Watching social media advertisements increases my interest in buying the same product.	☐	☐	☐	☐	☐
2	I am very likely to buy products recommended by social media.	☐	☐	☐	☐	☐
3	Social media advertisements greatly influence my purchase choice.	☐	☐	☐	☐	☐
4	Social media advertising has led me to buy a product which I have never tried before.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

SECTION V: PURPOSE AND EFFECTIVENESS OF SOCIAL MEDIA ADVERTISING — CONSUMER ATTITUDE

Please indicate your opinion on each of the following statements.

Sr.	Statement	SA	A	N	D	SD
1	I would like to buy the products advertised in social media advertisements.	☐	☐	☐	☐	☐
2	I think social media advertisements create impulse behaviour in me to purchase products.	☐	☐	☐	☐	☐
3	Social media advertisements present the true features of the advertised product.	☐	☐	☐	☐	☐
4	Social media advertisements have helped me to invest better.	☐	☐	☐	☐	☐
5	Because of social media advertising, people buy a lot of things that they do not really need.	☐	☐	☐	☐	☐

SA = Strongly Agree | A = Agree | N = Neutral | D = Disagree | SD = Strongly Disagree

Feedback and Suggestions

Any additional comments or experiences you would like to share regarding social media advertisements?

★ Thank you sincerely for your valuable time and participation! ★

APPENDIX B

SPSS Output — Normality Tests (n = 754)

The following tables present the normality test outputs generated by IBM SPSS Statistics for all nine constructs of the study. The Explore procedure was applied with the NPLOT (Normal Probability Plot) option, generating both the Kolmogorov-Smirnov test (with Lilliefors significance correction) and the Shapiro-Wilk test. All 754 cases were valid with zero missing values across all constructs.

B.1 Case Processing Summary

Construct	N Valid	% Valid	N Missing	% Missing	N Total	% Total
F1 Community	754	100.0%	0	0.0%	754	100.0%
F2 Dependence	754	100.0%	0	0.0%	754	100.0%
F3 Trust	754	100.0%	0	0.0%	754	100.0%
SM1 Entertainment	754	100.0%	0	0.0%	754	100.0%
SM2 Informativeness	754	100.0%	0	0.0%	754	100.0%
SM3 Credibility	754	100.0%	0	0.0%	754	100.0%
SM4 Irritation	754	100.0%	0	0.0%	754	100.0%
SM5 Purchase Intention	754	100.0%	0	0.0%	754	100.0%
PV Purchase Value	754	100.0%	0	0.0%	754	100.0%

B.2 Descriptive Statistics

Construct	Mean	Std. Error Mean	Median	Std. Dev.	Variance	Skewness	Std. Err. Skew	Kurtosis	Std. Err. Kurt	Min	Max
F1 Community	4.07	0.022	4.00	0.603	0.364	-0.816	0.089	1.445	0.178	1.00	5.00
F2 Dependence	4.15	0.024	4.25	0.660	0.436	-1.230	0.089	2.691	0.178	1.00	5.00
F3 Trust	3.89	0.028	4.00	0.782	0.612	-1.036	0.089	0.669	0.178	1.00	5.00
SM1 Entertainment	4.19	0.025	4.33	0.689	0.475	-1.657	0.089	4.003	0.178	1.00	5.00
SM2 Informativeness	4.28	0.023	4.33	0.625	0.391	-1.495	0.089	3.769	0.178	1.00	5.00
SM3 Credibility	3.86	0.026	4.00	0.720	0.518	-1.022	0.089	1.013	0.178	1.00	5.00
SM4 Irritation	1.68	0.019	1.50	0.517	0.267	1.187	0.089	1.977	0.178	1.00	4.00
SM5 Purch. Intention	4.17	0.026	4.25	0.702	0.493	-1.858	0.089	4.219	0.178	1.00	5.00
PV Purchase Value	3.39	0.014	3.44	0.389	0.151	-2.112	0.089	7.818	0.178	1.00	4.33

B.3 Tests of Normality

Construct	K-S Statistic	K-S df	K-S Sig.	S-W Statistic	S-W df	S-W Sig.	Normality Decision
F1 Community	0.134	754	< .001	0.928	754	< .001	Non-normal
F2 Dependence	0.137	754	< .001	0.907	754	< .001	Non-normal
F3 Trust	0.168	754	< .001	0.900	754	< .001	Non-normal
SM1 Entertainment	0.206	754	< .001	0.846	754	< .001	Non-normal
SM2 Informativeness	0.184	754	< .001	0.863	754	< .001	Non-normal
SM3 Credibility	0.168	754	< .001	0.895	754	< .001	Non-normal
SM4 Irritation	0.184	754	< .001	0.900	754	< .001	Non-normal
SM5 Purch. Intention	0.220	754	< .001	0.818	754	< .001	Non-normal
PV Purchase Value	0.160	754	< .001	0.836	754	< .001	Non-normal

APPENDIX C

SPSS Output — Hypothesis Testing Results

This appendix presents the complete statistical output tables for all eleven hypothesis tests across the five research objectives of the study. Results are organized by objective.

C.1 Objective 1 — Advertising Exposure and Perceived Value

H₀₁: Time Spent on Social Media × Perceived Value Category

Time Spent	PV: Low (n)	PV: Moderate (n)	PV: High (n)	Row Total	Row %
Up to 30 minutes	6	61	19	86	11.4%
30 – 60 minutes	7	210	74	291	38.6%
1 – 2 hours	7	149	63	219	29.0%
More than 2 hours	4	91	63	158	21.0%
Column Total	24	511	219	754	100.0%

Test	Value	df	Asymp. Sig. (2-sided)	Decision
Pearson Chi-Square	17.149	6	.009	Significant *
Likelihood Ratio	15.848	6	.015	Significant *
Linear-by-Linear Association	11.762	1	.001	Significant **
N of Valid Cases	754	—	—	—

Note: * $p < .05$; ** $p < .01$. 1 cell (8.3%) has expected count less than 5. Minimum expected count = 2.74. H_{01} REJECTED.

H₀₂: Number of Social Media Platforms Used × Perceived Value Category

No. of Platforms	PV: Low (n)	PV: Moderate (n)	PV: High (n)	Row Total	Row %
1 platform	3	16	3	22	2.9%
2 platforms	8	98	34	140	18.6%
3 platforms	9	178	70	257	34.1%
More than 3 platforms	4	219	112	335	44.4%
Column Total	24	511	219	754	100.0%

Test	Value	df	Asymp. Sig. (2-sided)	Decision
Pearson Chi-Square	20.567	6	.002	Significant **
Likelihood Ratio	18.329	6	.005	Significant **
Linear-by-Linear Association	13.538	1	.000	Significant ***
N of Valid Cases	754	—	—	—

Note: ** $p < .01$; *** $p < .001$. 2 cells (16.7%) have expected count less than 5. Minimum expected count = 0.70. H_{02}

REJECTED.

C.2 Objective 2 — Social Media Usage and Trustworthiness

H_{03} and H_{04} : Social Media Platforms Used $\times$ Trust Value Category

No. of Platforms	Trust: Low (n)	Trust: Moderate (n)	Trust: High (n)	Row Total	%
1 platform	4	10	8	22	2.9%
2 platforms	12	43	85	140	18.6%
3 platforms	12	37	208	257	34.1%
More than 3 platforms	10	52	273	335	44.4%
Column Total	38	142	574	754	100.0%

Test	Value	df	Asymp. Sig. (2-sided)	Decision
Pearson Chi-Square	48.273	6	.000	Highly Significant ***
Likelihood Ratio	42.782	6	.000	Highly Significant ***
Linear-by-Linear Association	34.108	1	.000	Highly Significant ***
N of Valid Cases	754	—	—	—

Note: *** $p < .001$. Largest Chi-Square value in the study. H_{03} REJECTED. H_{04} REJECTED.

C.3 Objective 3 — Mediation Analysis (H₀₅)

Spearman Rank Correlation Matrix — Mediation Variables

Variable	Ad Effectiveness (X)	Perceived Value (M)	Purchase Intention (Y)
Ad Effectiveness (X)	1.000 (—)	0.4513 (p < .001 ***)	0.6687 (p < .001 ***)
Perceived Value (M)	0.4513 (p < .001 ***)	1.000 (—)	0.4797 (p < .001 ***)
Purchase Intention (Y)	0.6687 (p < .001 ***)	0.4797 (p < .001 ***)	1.000 (—)

Path Statistics and Sobel Mediation Test

Path	Slope (β)	Intercept	R ²	Spearman ρ	Sobel Z	p-value	Decision
Path A: X → M	0.3265	2.0898	0.3029	0.4513	—	< .001	Significant ***
Path B: M → Y	1.1953	0.1262	0.4390	0.4797	—	< .001	Significant ***
Total Effect X → Y	—	—	—	0.6687	—	< .001	Significant ***
Indirect Effect X→M→Y	0.3903	SE=0.4249	—	—	0.9186	0.3583	NOT Significant (ns)

Note: *** p < .001; ns = not significant. Indirect Effect = Path A × Path B (0.3265 × 1.1953 = 0.3903). Sobel Z-test assesses significance of the indirect effect. H₀₅ ACCEPTED — Perceived Value does NOT mediate the relationship.

C.4 Objective 4 — Moderation Analysis (H₀₆)

Spearman Correlation Matrix — Moderation Variables

Variable	Perceived Value (PV)	Trustworthiness	Purchase Intention
Perceived Value (PV)	1.000	0.4218 (p < .001 ***)	0.4797 (p < .001 ***)
Trustworthiness	0.4218 (p < .001 ***)	1.000	0.5969 (p < .001 ***)
Purchase Intention	0.4797 (p < .001 ***)	0.5969 (p < .001 ***)	1.000

Rank-Based Moderation Test Results

Parameter	Value	Significance	Interpretation
R ² — Main Effects Only	0.000	—	Baseline

Parameter	Value	Significance	Interpretation
R² — With Interaction Term	0.000	p = 1.000	No change
ΔR² (Interaction)	0.000	p = 1.000 (ns)	No moderation
Permutation p-value	1.000	Not significant	No moderation effect
Slope — Low Trust	1.1953	Consistent	Identical across all levels
Slope — Medium Trust	1.1953	Consistent	Identical across all levels
Slope — High Trust	1.1953	Consistent	Identical across all levels
Slope Difference	0.000	—	Zero — no moderation

Note: ns = not significant ($p \geq .05$). H_{06} ACCEPTED — Trustworthiness does NOT moderate the Perceived Value → Purchase Intention relationship. Trust operates as an independent predictor ($\rho = 0.5969$, $p < .001$).

C.5 Objective 5 — Demographic Differences in Buying Behaviour

H₀₇: Kruskal-Wallis Test — Purchase Intention by Age

Age Group	N	Mean Rank	Kruskal-Wallis H	df	p-value	Decision
18–25 years	143	379.05	8.014	3	.046	H ₀₇ REJECTED *
26–35 years	220	397.72	—	—	—	—
36–45 years	263	348.93	—	—	—	—
46 and above	128	399.71	—	—	—	—

H₀₈: Kruskal-Wallis Test — Purchase Intention by Education

Education Level	N	Mean Rank	Kruskal-Wallis H	df	p-value	Decision
Non-graduates	66	424.77	34.715	3	< .001	H ₀₈ REJECTED ***
Graduates	279	412.73	—	—	—	—
Post-Graduates	246	312.38	—	—	—	—
Other	163	396.33	—	—	—	—

H₀₉: Mann-Whitney U Test — Purchase Intention by Gender

Gender	N	Mean Rank	Mann-Whitney U	Z	p-value	Decision
Male	380	367.88	67,402.500	-1.243	.214	H ₀₉ ACCEPTED

Gender	N	Mean Rank	Mann-Whitney U	Z	p-value	Decision
						(ns)
Female	374	387.28	—	—	—	—

H₀₁₀: Kruskal-Wallis Test — Purchase Intention by Income

Income Group	N	Mean Rank	Kruskal-Wallis H	df	p-value	Decision
Up to ₹3 lakhs	137	325.97	32.488	3	< .001	H ₀₁₀ REJECTED ***
₹3.1–5 lakhs	297	420.03	—	—	—	—
₹5.1–10 lakhs	244	382.03	—	—	—	—
Above ₹10 lakhs	76	289.65	—	—	—	—

H₀₁₁: Kruskal-Wallis Test — Purchase Intention by Occupation

Occupation	N	Mean Rank	Kruskal-Wallis H	df	p-value	Decision
Service (Salaried)	295	349.80	16.250	3	.001	H ₀₁₁ REJECTED **
Business	187	372.97	—	—	—	—
Self-employed Professionals	185	430.04	—	—	—	—
Other	87	369.45	—	—	—	—

Note: * $p < .05$; ** $p < .01$; *** $p < .001$; ns = not significant. H = Kruskal-Wallis H statistic; U = Mann-Whitney U statistic.

APPENDIX D

Reliability and Validity Report

This appendix presents the complete reliability and validity analysis for all nine constructs of the study, based on data collected from $n = 754$ working-class social media users in Gujarat. The analysis was conducted using IBM SPSS Statistics and encompasses internal consistency reliability (Cronbach's Alpha), convergent validity (Composite Reliability and Average Variance Extracted), and discriminant validity (Fornell-Larcker Criterion).

D.1 Reliability Analysis — Cronbach's Alpha, Composite Reliability and AVE

Construct	No. of Items	Cronbach's α	Alpha Interpretation	CR	CR ≥ 0.70 ?	AVE	AVE ≥ 0.50 ?
F1 Community	3	0.602	Questionable	0.859	✓	0.672	✓
F2 Dependence	4	0.710	Acceptable	0.914	✓	0.727	✓
F3 Trust	4	0.689	Questionable	0.887	✓	0.667	✓
SM1 Entertainment	3	0.820	Good	0.917	✓	0.787	✓
SM2 Informativeness	3	0.802	Good	0.914	✓	0.781	✓
SM3 Credibility	4	0.581	Poor	0.777	✓	0.496	✗ (marginal)
SM4 Irritation	4	0.723	Acceptable	0.886	✓	0.663	✓
SM5 Purchase Intention	4	0.629	Questionable	0.900	✓	0.694	✓
PV Purchase Value	5	0.804	Good	0.913	✓	0.681	✓

Note: CR = Composite Reliability; AVE = Average Variance Extracted. Thresholds: $\alpha > 0.70$ (Nunnally, 1978); CR > 0.70 ;

AVE > 0.50 (Fornell & Larcker, 1981; Hair et al., 2010). SM3 Credibility AVE = 0.496 is marginally below threshold but

CR = 0.777 > 0.70 compensates. Overall reliability is acceptable across all constructs.

D.2 Discriminant Validity — Fornell-Larcker Criterion Matrix

The Fornell-Larcker criterion requires that the square root of each construct's AVE (shown in bold on the diagonal) exceeds the correlations between that construct and all other constructs. Values below the diagonal are Spearman inter-construct correlations. Discriminant validity is established when diagonal values exceed all off-diagonal values in their respective row and column.

Construct	F1	F2	F3	SM1	SM2	SM3	SM4	SM5	PV
F1 Community	0.820	—	—	—	—	—	—	—	—
F2 Dependence	0.475	0.853	—	—	—	—	—	—	—
F3 Trust	0.370	0.513	0.817	—	—	—	—	—	—
SM1 Entertainment	0.378	0.455	0.458	0.887	—	—	—	—	—
SM2 Informativeness	0.352	0.454	0.347	0.409	0.884	—	—	—	—
SM3 Credibility	0.298	0.335	0.519	0.319	0.272	0.704	—	—	—
SM4 Irritation	0.168	0.198	0.200	0.283	0.233	0.138	0.814	—	—
SM5 Purch. Intention	0.266	0.370	0.428	0.397	0.385	0.284	0.251	0.833	—
PV Purchase Value	0.273	0.383	0.492	0.387	0.397	0.484	0.144	0.452	0.825

Note: Bold diagonal values = $\sqrt{AVE}$ (square root of Average Variance Extracted). Green diagonal cells indicate the discriminant validity anchor values. Discriminant validity is established for all constructs — each diagonal value exceeds all inter-construct correlations in its row and column (Fornell & Larcker, 1981). SM3 Credibility ($\sqrt{AVE} = 0.704$) is marginally below the ideal threshold for AVE, but satisfies the Fornell-Larcker criterion as the diagonal value (0.704) still exceeds all its correlations.

D.3 Summary of Construct Validity Assessment

Construct	Cronbach's α	CR	AVE	$\sqrt{\text{AVE}}$	Convergent Validity	Discriminant Validity	Overall Assessment
F1 Community	0.602	0.859	0.672	0.820	✓ Good	✓ Satisfied	Acceptable
F2 Dependence	0.710	0.914	0.727	0.853	✓ Excellent	✓ Satisfied	Excellent
F3 Trust	0.689	0.887	0.667	0.817	✓ Good	✓ Satisfied	Good
SM1 Entertainment	0.820	0.917	0.787	0.887	✓ Excellent	✓ Satisfied	Excellent
SM2 Informativeness	0.802	0.914	0.781	0.884	✓ Excellent	✓ Satisfied	Excellent
SM3 Credibility	0.581	0.777	0.496	0.704	✗ Marginal	✓ Satisfied	Marginal — Acceptable
SM4 Irritation	0.723	0.886	0.663	0.814	✓ Good	✓ Satisfied	Good
SM5 Purch. Intention	0.629	0.900	0.694	0.833	✓ Good	✓ Satisfied	Good
PV Purchase Value	0.804	0.913	0.681	0.825	✓ Good	✓ Satisfied	Excellent

Note: All constructs satisfy discriminant validity. 7 of 9 constructs satisfy convergent validity ($AVE \geq 0.50$). SM3 Credibility is marginally below AVE threshold (0.496 vs 0.50) but its $CR = 0.777$ and $\sqrt{AVE} = 0.704$ both confirm acceptable construct validity. Overall measurement model demonstrates satisfactory reliability and validity for empirical analysis.