

# User Involvement in a Desire to Buy Particular Goods on the Internet

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**ABSTRACT**-Social media can be very effective at promoting niche products because customers often enjoy leaving reviews and striking up discussions about these things. This could increase consumer interest in the goods. In this study, we investigate how user designs interacting during a discourse on a niche cultural product can affect engagement levels, which may in turn improve consumption intentions. We demonstrate how increased interaction might boost consumption motivation. We discover that increased homophily and connectedness within the social media network will lead to a simultaneous rise in polarization and the prevalence of content tailored to niche markets. Next, we examine an expansion in which two lobbyists have the ability and desire to affect the frequency of every kind of content. The primary ways in which businesses can use social media as tools for strategic marketing. The article outlines the primary categories of social media applications and suggests two key applications for social media use by marketers: As sources of market intelligence, or "passive marketing tools," as well as "active marketing tools," which are platforms for interacting, communicating, and promoting with customers.

## 1 INTRODUCTION

Social media such as blogs, wikis, forums, and social networking sites, are being used by businesses more and more to do business; this paradigm change is known as social commerce [1]. Social media has become one of the main information sources for a lot of individuals in recent years. Through social networking capabilities, users may search and discuss

popular topics, get and share news, see and comment on friends' status updates and plan and take part in group events. Social media is also becoming a more significant and cost-effective marketing medium for businesses to advertise their goods and services. As a result, a number of recent studies have investigated why people use social media, and the findings have guided the development and implementation of operator marketing strategies. Knowledge sharing has been shown to be a critical component of social network success. However, Efrati reports that between 2014 and 2015, content sharing on social media platforms like Facebook decreased by 21%, which led to a 5.5% decline in all content sharing. As a result, it is crucial to understand the elements that influence a user's intention to share knowledge. As a result, the study's first research question looks for variables that may influence users' intentions to share knowledge in a social media setting [2].

Social media has been praised as a democratizing tool that lets users find and talk about niche products that the media has previously overlooked [3]. Products in the "long tail" or niche market are designed and sold for a specific and limited consumer base, but they can still be successful if there are enough channels for distribution [4], [5].

When compared to popular products intended for mainstream markets, these products are usually less available in the market due to their specific target consumer niches [6].

### 1.1 Applications of communal media:

There are many of applications and effects on the connection between customer involvement and involvement in social media and the goal to purchase specialized goods. The following are some major fields where the effect is evident:

### Speaking Referrals Advertising:

Social media platform accelerates an opportunity for users to share their experiences and opinions about niche products. Good relations and engagement may contribute to beneficial word-of-mouth advertising, affecting other people to think about and try the niche products.

**Awareness of the brand and Communication:** User engagement and involvement in social media bring better popularity for niche products. Interacting with content, user-generated feedback and talks may boost the accessibility of niche products among a targeted audience.

### The power of word- advertising:

Social media gives people an opportunity to share their opinions as well as their interactions with particular goods. Positive interactions and involvement can help spread positive referral marketing, motivating others to think about and give niche goods a chance.

**Presence and Knowledge of the Brand:** Social media involvement and interaction from consumers help build awareness of the brand for niche products. Generated by user reviews, discussions, and engaging goods might boost the popularity of niche goods among an audience in particular.

**Influential promotion:** Social media celebrities have a big impact on the way consumers feel. Influential people may boost their audience's ability to consume issues when they engage with them through feedback, unpacking videos, or engaging content.

### 1.2 Challenges of communal media:

#### Trust and credibility:

The impact of user's involvement in social media on purchasing niche products comes with its set of challenges. Here are a few specific challenges that businesses might face:

### Identifying the Appropriate Viewers:

It could be challenging to find and get in touch with the ideal audience for specific products. Considering the audience of social networking platforms is broad, strict targets and divisions are necessary to make sure that the knowledge reaches the right audience.

### Generating Initial Acceptance:

A prevalent problem for niche items is the shortage of initial publicity. It can be challenging to establish the initial hype and interest consumers' curiosity about a niche product, especially when you're up with more prominent and established businesses.

### Keeping Interaction throughout Time:

Sustaining consumer engagement can be a challenge, particularly for niche products that may not have regular improvements or a stable play of fresh information. Maintaining consumers engaged in the future requires innovation and strategic planning.

### Managing Originality and Promotion:

Users on social media admire sincerity. Finding a suitable balance between genuine involvement and ads can be difficult at times. Excessive promotion without real engagement can give rise to a decrease of faith among consumers.

### Handling Bad Responses:

On social media, it is normal to get judgment and negative feedback. To keep negative reviews from getting stronger and ruining a particular good's public image, it's essential to deal with them respectfully and fast.

### Adjusting to Algorithmic Updates:

The availability of information on social media is affected by constant computational updates. It is essential to stay notified of changes to algorithms and change strategies when necessary for maintaining constant awareness and engagement.

## 2. LITERATURE REVIEW

The literature review for this study has been divided into two phases:

- An assessment focused on keywords, investigating and evaluating the progress of social media research as a whole
- A detailed study of the IS papers related to this subject area has been studied here.

### 2.1 Keyword-Driven Exploration and Evaluation:

We conducted a study on social media by analyzing a paper from the Web of Science collection. We found around 12,597 summaries among 13,177 products using specific keyword terms. We evaluated the papers in two phases. Firstly, we performed a co-citation study on the first writers in the corpus using VOSviewer, which shows similarities between journals and writers. Secondly, we used LDA to identify important themes in social media research. red from papers and labels using VOSviewer. Second, we selected relevant themes that were buried in the social media research using LDA (see Blei 2012) to recognize important theme areas that are hiding in social media research.

### The process of searching and analyzing manually.

It was decided that a manual search would be more appropriate for finding existing research in this sector rather than relying simply on keyword-based selection because of the variations in patterns of keyword usage within social media studies. Furthermore, a keyword search may provide useless results because terminology and concepts from adjacent study areas often overlap with keywords used in social media research. To give an example, a search for "Social network of things" may turn up posts about beliefs in social networks that have nothing to do with social media.

In the current investigation, the focus was on examining research papers related to the "emerging study and development" of IS and IT from logical, behavioral, and technological perspectives. This examination aimed to

explore the latest advancements in the industry as well as academic research. Initially, we reviewed 181 articles that had an impact on the social media domain. After an in-depth analysis of the individual summaries and full articles, we eliminated 49 non-essential articles, leaving us with a total of 132 articles that were relevant to the subject matter (i.e., social media) [7].

### Analysis of publications on social media: citation and text.

#### 2.1.1 Co-Citation Analysis of Authors (ACA):

One bibliometric method that has been widely utilized to explain the conceptual structure of disciplines is Author Co-Citation Analysis (ACA) (see, for instance, White and Griffith 1981; McCain 1984; Culnan 1986; Nerur et al. 2008). The fundamental premise of ACA is that writers who are frequently referenced together typically address related topics. Therefore, when an ACA is done, authors who are frequently referenced together are likely to cluster together. When performing ACA, VOSviewer only takes first authors into account. In the analysis, only authors with 50 citations or more were included.

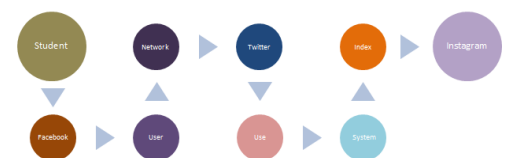


Figure 1. displays the outcomes of the ACA.

[30]

### Cluster 1:

Researchers in this cluster have made significant contributions to the advancement of research in a variety of fields, including studies of Twitter dynamics (Sakaki, for example), deep dives into social network structures (Wesselman, for example), complex analyses using topic modelling techniques (Blei, for example), sociality and cognition (Dunbar, for example), and the subtle study of sentiment analysis in tweets (Thelwall, for example). The breadth and depth of their influence on these and allied fields of study are demonstrated by these contributions.

## Cluster 2:

Scholars in this cluster are highly renowned for their contributions to the fields of technology adoption (Mukherjee, Venkatesh, etc.), diffusion of technology (Rogers, etc.), marketing/consumer behavior (Hennig-Thurau, etc.), culture (Hofstede, Ajzen, theory of planned behavior) and statistical methods (Bagozzi, Fornell, Hair, etc.).

## Cluster 3:

This cluster of authors focuses on the utilization of social media platforms such as Facebook and Twitter to discuss a variety of topics. For instance, Kuss conducted research on online and social networking addiction, such as gaming addiction. Steinfeld and Ellison explored social capital on Facebook, while Lenhart concentrated on the use of technology and social media by young people, particularly mobile internet use. The authors also covered additional subjects such as Bandura's self-efficacy, the benefits of academics using Twitter, and the social and personality traits of Facebook users, such as Ross.

## Cluster 4:

Notable members of this cluster are eminent social theorists and sociologists who have made contributions to the theories of social capital, structuration, and modern sociology. Among them are Habermas, Giddens, Coleman, and Bourdieu. Papacharissi has published on a wide range of subjects, such as the investigation of variables that forecast Internet usage in addition to users' social media habits, identities, and sense of community. Tufekci has researched a variety of subjects, including how social media sites like Facebook may affect people's decisions to take part in protests, as well as privacy and disclosure on social media.

### 2.1.2 Terms in captions and overview:

In our text analysis, we utilized Visualization of Similarity viewer to analyze the terms and words present in the captions and overview of our repository. This process generated a bi-dimensional blueprint that visually represents the

proximity of words apt to be interconnected dependent on their co-relations. To elaborate, Visualization of Similarity viewer employs the Apache Open Natural Language Processing Toolkit to identify noun phrases. It calculates a relevance score by comparing the total co-occurrence distribution of these noun phrases with that of others (Van Eck and Waltman, 2011). This methodology suggests that recurrently arising and highly relevant noun clauses may unveil latent topics or themes within the corpus. [8].

### 2.1.3 Subject Matter Modeling:

Our search criteria produced almost 12,000 abstracts, indicating that academics are becoming more interested in social media-related research topics. It is quite difficult to identify the theme organization of all scientific publications related to social media, even though a knowledgeable analyst might possess a basic understanding among the sort of investigation performed thus distant. This endeavor is not too difficult because to recent developments in subject modeling. Algorithms and statistical techniques are used in topic modeling to extract the subjects hidden inside a big corpus.

## 3 Analyzing research on social media from an Information Systems (IS) standpoint.

### 3.1 What does the Information System literature define as social media?

Upon examining the extant literature on social media, it is evident that the writers in this domain have not concentrated on providing a definition for social media. Only a small number of the researches in this study have even attempted to define or explain the idea of social media. As an illustration, Lundmark et al[10]. Say, "Social media offers a unique and significant context through which to study the topic because it is a unique form of communication that integrates multiple sources of legitimacy." Social media does, in fact, serve as a channel for the distribution of information about businesses, sectors, and society at large, both

internally and externally created.

According to Schlagwein and Hu, social media technologies and the managerial and organisational structures that surround them make up social information systems from an IS perspective [11].

Social media refers to online platforms for collaboration and communication that have gained extensive use since 2005. Wakefield & Wakefield (2016, p. 140) define social media technologies as "the technical, informational, and relational subsystems that make up social media technologies as an ensemble IS artefact interact differently in accordance with the context of use.[12].

### 3.2 Communal Media investigation Development in Information System prose:

From last twenty years, a range of social media-related concerns have been investigated in tandem with the swift advancement of underlying technology and apps and their utilization to facilitate diverse forms of communal media practice. According to an examination of 132 papers from particular IS journals, research on user-generated content as a novel form of online content was ongoing up until 2011[13] . But during the past six years, this field of study has seen enormous advancements, both in terms of breadth and in understanding the highs and lows related to social media use. It is challenging to determine how social media research has evolved year over year, but the main themes that have formed over time can be recognized. Reviews of publications from 1997 to 2017 have been done here. It's interesting to note that between 1997 and 2009, just one publication that may be relevant to this research was found (Griffiths and Light 2008)[14] .

### 3.3 Literary Reconstruction:

The preceding section delineated the rapid advancement of communal media study. Upon assessing the articles that made the short list, a number of themes emerged from the commonalities found in the problems that were confronted in the communal media study.

#### 3.3.1 Use of Social Media:

Behaviors or repercussions: Several researchers dug delve into the behavioral aspects of social media, with some identifying barriers that deter prolonged platform usage. Turel and Serenko (2015) caution contrary to extreme social media exploit, highlighting its potential to foster pathological and maladaptive psychological dependencies. Turel (2015) further applies cognitive theory, demonstrating that guilt associated with internet use can heighten intentions to discontinue usage. Matook et al. suggest that consumer's lively inactive engagement with communal media can control their perceived loneliness. Additionally, Krasnova et al. (2015) found that jealousy significantly diminishes cognitive and affective well-being in response to social information consumption. Moreover, a summary of studies indicates that IS scholars have been examining the adverse effects of communal media integration, for instance obsession, strain, and data deluge, since 2010. These investigations encompassed various platforms including Facebook, Twitter, MySpace, and Flickr, and also delved into analyzing media content such as images, videos, and tweets.

#### 3.3.2 Social media site reviews and recommendations:

Reviews and suggestions of goods and services are a defining feature of social media networks. Individuals are starting to depend on the experiences of others, for example, prior to making a buy, traveling to a location, or looking for lodging. These internet evaluations support the knowledge about products and services. According to a pioneering study on online travel information, people are more prone to believe reviews posted on official websites than on social networking platforms (Burgess et al. 2011). Hwang and others[17] examined the influence of encouraging and discouraging reviews on aggregate judgment on communal tagging sites and discovered that negative reviews could stabilize system performance eventually Dellarocas & Co[18].

### 3.3.3 Using Social Media in Marketing:

Recent times, social media sites play an effective role in marketing strategies. The studies revealed that how social media is being used into marketing plans. Aragón-Crespo et al[19] examined the ongoing interactions that occur between business person and their clients because they have an major effect on the social media platform and have consequences for marketing and the development of new products. Goh and associates [20] discovered that user-and market-generated content for brand community involvement on social media to discover that it influences purchase expenditures favorably Rishika et al.

### 3.3.4 Value Creation and Social Media:

Discover that the dyadic link between a company and the community is not the only way that value is created in online communities; a more complex interaction involving stakeholders of a larger ecosystem is also involved. Dong and Wu (2015) show strong evidence that online user innovation-enabled implementation boosts company value using data from Starbucks and Dell. The majority of research on social media and value creation focuses on the impact of structural and social interactions on sustainability, as evidenced by long-term analyses of these relationships [21].

### 3.3.5 Risks and Issues Associated with Social Media Use:

Griffiths and Light (2008) conducted a pioneering study on the issue of media convergence, wherein social media features on gaming websites expose impressionable youth to fraudulent activities. According to an Australian survey, it was found that most of the users are not aware about the possible risk factors of sharing personal data on social media sites or believe they are low risk subjects. They discover that discover that people are more likely to divulge personal information when they can easily establish and maintain relationships on a fun social media network. Their research demonstrates that user perceptions of associated risk are significantly discounted by user

believes by the service source and data protection features on a online community [32].

The hazards connected with using social media have a social contagion effect, according to studies examined here. According to recent studies (2014–2016), viewers should be made aware of the risks posed by the volume of personal data that is revealed on social media platforms. They advise social media companies to regulate certain of their security features and government organizations to inform users. Setting up and managing privacy settings on each of the several social networks that are currently in use is essential.

### 3.3.6 Adverse Shame Related to Utilizing Social Media:

A negative stigma may exist for using social media at work, according to certain studies. Koch et al. conducted a standard case study[33] examined the three employee tiers of a company and discover that while senior executives were cautious about using social media, new hires—those who use these sites—exhibited higher employee engagement and morale. Meanwhile, some middle managers—those who do not use these sites—were irritated and felt alone. Conversely, though, Cao et al.[34] confirmed that social sites have the creativity to increase workers' social capital, which will have a good impact on their knowledge integration. When examining how communal media affects work culture, Koch et al. discover that workplace ideals and the values that workers attribute to social media might lead to disputes [35].

## 4. Discussion

There are similarities among the many facets of social media that have been selected for examination, according to an analysis of the study gathered for this report. While numerous studies have focused on understanding the behaviors of social media users, others have explored corporate behavior and entrepreneurial activities. Research has also delved into the content uploaded in online communities, with

many discussions centering on the consequences of using this content as a means of raising awareness during critical events and tragedies. Authors investigating social media's role as a platform for providing and receiving support, as well as its integration into public administration and healthcare, have made Intriguing findings. Additionally, studies have addressed the topic of value creation and the adverse effects of social media usage in the workplace. Some research chooses to compare social media with traditional media, while others tested models and assumptions that had already been developed. Previous studies have also shed light on the ways in which businesses have used communal media to promote their goods and amenities. These tactics operate in tandem with user feedback and suggestions on communal media platforms, which have also drawn a lot of attention from the academic community. In conclusion, studies in this area will continue to change since new social media platform types are appearing and because using them can have varying effects. The rise in usage and impact-related publications over the previous five years is more proof of this. Social media platforms have fundamentally changed how individuals choose to interact and work together. According to Ray et al., an E-community is a social informatics setting where a feeling of shared persona fosters participation and raises satisfaction levels [23].

A particular area of study concentrates on customers, who heavily lean on internet feedbacks prior to deciding what to buy. A variety of research topics, including film rating, auto- manufacture, communal media enteries, social bookmarking and review sites, and travel websites, are examined in the research papers included in this analysis. Research consistently indicates that the quantity of phony reviews has increased exponentially, seriously undermining the trustworthiness of online evaluations and endangering the values of businesses [24].

#### 4.1 Limitations and Future Research Directions:

Research on prominent websites, such that done by Cheung et al. [25], cautions against letting the brand equity of those websites sway consumer perceptions. Cheung et al. advise against making assumptions about these results in the context of other websites[26]. Similar issues with depending solely on

publicly accessible data are noted by Rosenberger et al. who point out that the underlying abstraction limits the applicability of the findings to the particular social media platform under study. Likewise, additional research (Krasnova et al. 2015; Khan and Jarvenpaa 2010; Tow et al.[27]. where they recommend that, depending on how frequently users decide to "like" a company's material, academics should examine user interaction in a different way. Regarding the utilization of communal media for advertising in businesses, research has mostly concentrated on the advantages that follow in terms of marketing, with little proof that social media platforms are useful for improving employee communications [28]. According to Van Osch and Steinfield (2016), for the purpose to obtain a clearer perception of the instruments that facilitate the disentanglement of team border bridging, future studies ought to investigate the possibilities of enterprise social media. Ultimately, studies have shown that the development of information and communication technology typically begins with emancipatory uses before turning into hegemonic instruments. They caution social media policymakers against duplicating this pattern with digital media; instead of reserving decision-making for those in positions of political or economic power, they advise including more individuals in the creation of an Internet governance framework [29].



Figure 2. adjusting the increasing needs of the client

## 5. Conclusion

The presented review paper examined the results of 132 publications that have been added in context to social media. Within this collection of research, numerous emerging themes have come to light, enriching our grasp of advancements in social media studies. Recent investigations have adeptly outlined the essence of diverse social media platforms, leveraging prior empirical discoveries as foundations. The collective comprehension, empowered by user-generated content, acts as a substantial mechanism for processing knowledge, bridging the gap between humans and machines to handle vast information volumes effectively. Here, we highlight key findings deserving attention from scholars and interested parties alike. Social media technologies are widely recognized for their capacity to promote aggregation rather than only serving as venues for gathering and socializing. After analyzing 132 articles on communal media and communal connecting, it was found that the majority of the research supported the use of communal swap hypothesis, network hypothesis, and institutional hypothesis. Journals in the domain of communal media study mostly target on the three major networks: Facebook, online communities, and Twitter. Publications continued to highlight customer created data as a novel category of internet data in 2011. But during the past six years, there has been a significant advancement in academic discourse around the various uses of social networking and the pros and cons of doing so. The majority of the studies' evaluated publications center on the conduct-oriented facets of communal media, feedbacks, and the incorporation of communal media for organizational and marketing goals. In 2013, a lot of articles concentrating on examining the highly popular feature of social network evaluations and recommendation. Between 2015 and 2016, publications have shifted their attention to examining social commerce on various online websites, including Facebook, MySpace, YouTube, and others. After 2015, journals showed little interest in articles offering support or in the stigma associated with using social media.

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