IMPACT OF FIRM CREATED, AND USER GENERATED SOCIAL MEDIA COMMUNICATIONS ON CONSUMER-BRAND METRICS OF SMARTPHONES DURING COVID-19

Gursimranjit singh

Department of Marketing Mittal School of Business, Lovely Professional University, Punjab, India Email: gursimranjit37@gmail.com

Arvind Kumar

School of Management, National Institute of Technology Rourkela, Odisha, India Email: kumarar@nitrkl.ac.in

ABSTRACT

This study employs S-O-R approach to analyze the impact social media communications exerts on consumer-brand metrics of smartphones during COVID-19. A survey of 513 millennials from India through a well-structured questionnaire reveal that user generated content on social media positively influences purchase intent of consumers whereas firm created social media content doesn't directly influence the purchase intention. In addition to it, social media content generated by the firm significantly and positively influences user created communication on social media. Besides being insightful to the marketers on how they can target the millennials in a better way during COVID-19, this research bestows to the subsisting literature on how the communication on social media influence the brand metrics of a high involvement purchase when incremented hours are being spent on social media due to lockdowns and home stay restrictions.

Keywords: Perceived usefulness, Communication; Brand awareness, Purchase intention, Smartphones, Brand attitude

1. INTRODUCTION

The transformation of marketing from Marketing 4.0 to Marketing 5.0 (Kotler, Kartajaya, & Setiawan, 2021) is now being catalysed by the COVID-19 epidemic, and social media is playing a very predominant role in it (Samet, 2020). Stay home regulations across the globe have incremented the daily hours spent by users on social media. For example, thirty percent users in the USA are spending one to two additional hours (Tankovska, 2021), while forty six percent users in India are spending more than two additional hours (Morgan Stanley Research, 2020). This overspending of time on social media is resulting in a spike in all three activities of online engagement - creating, sharing, and consuming of content (see Shao, especially through smartphones. Smartphones have become instrumental nowadays in providing users an access to social media platforms like Zoom, Microsoft Facebook, WhatsApp, Edmodo, Telegram etc. (Sharma et al., 2022a; Susanto et al., 2021; Vithayathil et al., 2020). In these conditions, it becomes quite evident to see how the incremented engagement with online content will influence purchase intention of smartphone in an emerging market like India wherein the inception of contact tracing (Fahey, & Hino, 2020) and vaccine registration through smartphone-based app Aarogya Setu (Basu, 2021; Nagori, 2021) is pushing the smartphone demand to all new levels. During the first quarter of 2021, smartphone demand in India has increased 23 percent YoY to surpass the 38 million marks. Thus, it becomes discernible to examine how social media communications (hereafter SMCs) influencing the purchase intentions of Indians, especially millennials, a generational group possessing the highest buying capacity (Moreno et al., 2017; Bolton et al., 2013) and using social media the most (Chatzigeorgiou, 2017).

Through the espousal of SOR approach (Mehrabian & Russell, 1974), this study evaluates the impact the SMCs exercises on consumer-brand metrics of smartphones.

DOI: 10.31620/JCCC.06.22/11 147

Specifically, it studies the effect of user generated and smartphone brand created content on the purchase intention of millennials, the generation me, me, me (see Stein, 2013). Millennials are tech savvy, habitual of using internet heavily (Ivanova et al., 2019; Duffett, 2015), and their buying approach is really different from other cohorts (Anshari et al., 2021). Now when the economic slowdown and tough competition has made it difficult for the brands to earn an incremental dollar in sale, this study assists smartphone brands in how they can target and promote their products to this cohort in a better way.

Besides being of significant importance to scholars and practitioners in enhancing their discernment regarding the influence social media has on willingness to purchase during the present scenario of Covid-19, this study also contributes to the pertinent literature in many ways. First, this research extends the literature on how the increased online hours spent on social media can affect the brand awareness. Second, this study dilates the existent literature on how the brand awareness influences the purchase intention of a high involvement purchase during a pandemic. Third, when economic slowdown has caused job losses and pay cuts, this research enhances the literature on how the utility to be drawn from each single penny during a pressing purchase can act upon the employment of social media in recommendations, reviews and price deals, etc.

2. REVIEW OF LITERATURE

2.1 S-O-R Approach

The conceptual framework of this research is grounded at the S-O-R approach (Mehrabian & Russell, 1974) which feigns that one's perception and explication surroundings (stimulus) influences how s(h)e experiences(organism) that situation and then renders some outputs (response). The outputs may be either cognitive, or affective, or behavioural, or concurrent occurrence of some or all of these. The present research conceptualizes SMCs as a stimulus (Carlson, Rahman, Voola & De, 2018), one's attitude towards a smartphone brand as an organism (Sahoo & Pillai, 2017; Kunja, Kumar, & Rao, 2022) and then purchase intention (Hu et al., 2016; Goyal, S., Chauhan, & Gupta, 2021; Sharma et al., 2021, 2022a, 2022b) as a response to it. Existing literature (see Carlson et al., 2018) depicts that existing customers of brands on online ptatforms, interactions among the customers, socializtion through reciprocal interactions etc. play as surrounding cues which are alike the user generated information on social media, the stimulus. The settings of S-O-R purports that the effect of stimuli on the behavior of an individual is intermediated by an affective (feeling) or a cognitive state (learning) which then constitutes the state of organism (Sharma et al., 2021, 2022a, 2022b). The stimuli guide the development of a brand specific favourable or unfavourable feelings, the brand attitude, the organism. One's own evaluation of a brand then lead to brand specific behavior, especially willingness to buy (Hu et al., 2016). When the existing literature (see Hu et al., 2016; Carlson et al., 2018) largely seems centripetal to study only the influence of brand created stimuli, the present research examines the influence of user specific stimuli along with which it re-examines the effect brand specific stimuli exerts on the purchase intentions in present scenario of COVID-19.

2.2 Brand-created content

Brand-created content is dispersed to attract customers towards their brand. To this end, the organizations put various efforts in taking advantage of social media platforms to achieve their goals (Dwivedi et al., 2021). There are certain dimensions of social media that mav influence performance. The first one is how brands communicate with their customers through social media. Secondly, how brands can demand and distribute the competitive environment and evaluate it through social media. Finally, the brands should be able to forecast the future and respond to the current market expectation(s) by managing social media. Therefore, it becomes very essential for marketers to update themselves by developing knowledge, which can pay off and can influence the brand-related constructs as well (Hoffman & Fodor, 2010).

2.2.1 Brand-created content and user generated content

Contrary to the brands' traditional communication with customers, SMC gets attention with wide demographic appeal (Kaplan & Haenlein, 2010), with many benefits such as brands get an additional platform to interact with customers, with low-cost media

of communication when compared to other options available to enhance brand image, increase profits, and customer satisfaction (Sharma et al., 2021; Banks et al., 2002). The communication initiated by the brand on social media raise communication generated by the user on social media (Godes & Mayzlin, 2009). The brands indulged in user-generated content leaves a permanent impression on customers minds (Mangold & Faulds 2009), and the brand-initiated content has a positive impact on user-generated content (Ceballos et al., 2016). To test it in Indian context, the proposed hypothesis is-

H1: The communication created by a smartphone brand on social media positively influences the user-generated communication.

2.2.2 Brand-created content and brand awareness As a perfect platform for interaction, social media is now employed by the marketers for engaging the existing customers (Wirtz et al., 2015), attracting new customers (Karimi & Naghibi 2015), building awareness about brand(s) (Hutter et al., 2013), enhancing brand loyalty (Erdoğmuş & Cicek, 2012) and brand image (Barreda et al., 2015). Doing so, results in generating more sales (Marshall et al., 2012). Realizing the need to manage a brand on social media platforms marketers put more emphasis on communication on social media through user (Smith et. al., 2012). The brand initiated content has a positive impingement at awareness about brand (Schivinski & Dabrowski, 2015; Godes & Mayzlin, 2009), wherein one's ability to identify and recognize a brand element is known as brand awareness (see Rossiter & Percy, 1987). To test the findings in the context of smartphone purchases by millennials in India during Covid-19, following hypothesis is proposed.

H2: The communication created by a smartphone brand on social media regarding smartphone positively influences the brand awareness.

2.2.3 Brand-created content and brand attitude Brand attitude is a predisposition that can possibly be viewed as a customer's degree of interest in a particular brand that again is a resultant of his/her emotional evaluations and rational of the brand (Chaudhuri, 2006). It is the appraising facet of image of a brand and is a resultant of feeling(s) and belief(s) of a consumer(s) towards the attribute(s) of a

brand (Keller, 2003; Arya, Paul, & Sethi, 2018, 2019, 2021). Communication research has found that recurring exposure to the brand communication positively reinforces brand specific memories, creating a better feel of familiarity linked with notion of closeness and affection for brand resulting in positive brand attitude (Janiszewski, 1993; Hoyer and Brown 1990). Therefore, it is hypothesized that –

H3: The communication created by a smartphone brand on social media regarding smartphone positively influences the brand attitude.

2.2.4 Brand created content and purchase intention Besides the content marketing, brand created content in communication literature is also referred as sponsored content, which is the intentional in-corporation of products, brand elements, or any compelling message into any non-commercial, or editorial content (Boerman, Van Reijmersdal, & Neijens, 2014).

Product placement through movies influences how well the spectators recognize the brand and what sort of their attitudinal intention towards the brand are (Dens, Pelsmacker, Wouters, & Purnawirawan, 2012). Brand created content in the research spanning to 60 brands have been found influence the brand attitude of Facebook users and the brand attitude is again found to influence their purchase intention (Schivinski & Dabrowski, 2016). Therefore, the proposed hypothesis in the present context is –

H4: Communication by smartphone brand on social media significantly and positively influences purchase intention for Smartphone brand.

2.3 *User-generated content*

The content which a consumer creates and is publicly available, not generated by a professional content creator having 24/7 access to different social media platforms for instance SNSs, video or photo sharing applications, etc. is known as user-generated content (Harris & Rae, 2009).

2.3.1 User-generated content and brand awareness.

Social media has resulted in shifting of electronic commerce into social commerce (Zeng et al., 2009). This has given rise to a platform where people not only have personal

communication with each other, but also they rate, write review, comment, share their experiences, etc., leading to co-creation for the brand (Wang & Hajli, 2014). How social interactions are influencing the buying behaviour of people is the biggest vantage of social media (Hajli, 2014). Positive SMCs by the user increases the brand awareness (Burmann & Arnhold, 2008) because social media is considered as a trust worthier and more dependable basis of knowledge than conventional marketing practices (Foux, 2006). To test this mechanism for smartphone purchases in India during Covid-19, following hypothesis is formulated.

H5: The communication generated by users on social media regarding smartphone positively affects brand awareness.

2.3.2 User-generated content and brand attitude

The revolution brought by Web 2.0 has instituted a drastic alteration in the espousal of different SNSs by customers and has impacted how the customers interacted with them through the creation and sharing of content over various SNSs, thereby turning in to one of the most effective channel of (marketing) communications (Kietzmann et al., 2011). User created content in a research spanning to the purchase decisions of 60 brands in Poland have been found to influence the brand attitude of Facebook users (Schivinski & Dabrowski, 2016). To test the findings in the context of smartphone purchase during COVID-19, the proposed hypothesis is-

H6: The effect of communication generated by users on social media regarding smartphone positively influences the brand attitude.

2.3.3 User-generated content and purchase intention

Social media engagements result in three types of activities, namely consuming of content, creating the content and contributing to the content (Muntinga, Moorman, & Smit, 2011). In a study examining the impacts of usergenerated content, it is reported that negative reviews have potential to harm the success of a video game while online reviews have been found influential for even not so popular video games (Zhu & Zhang, 2010). In the studies on travel industry, it is found that positive reviews affects the count of booking

done on a booking webpage (Ye, Law, Gu, & Chen, 2011) and travelers use the reviews more certainly if the reviews are found to have come from a highly credible source (Ayeh, Au, & Law, 2013). To test these mechanisms in the context of smartphone purchases by millennials during Covid-19, the proposed hypothesis is –

H7: The effect of communication generated by users on social media regarding smartphone positively influences the purchase intention.

2.4 Brand awareness, brand attitude and purchase intention

The aptness of potential customers to discern a brand in a specific category of products is known as brand awareness. The review of literature confronted to brand awareness and other facets is reported here as follows –

2.4.1 Brand awareness & purchase intention With the passage of time, social media is attaining momentum and attention especially by the marketers as its capability of directly communicating with the customers (Hays et al., 2013; Hanaysha et al., 2021; Rashid et al., 2022; Jain et al., 2021; Jhamb et al., 2021). It is mainly because social media is having a substantial influence on organizations brand equity by generating brand awareness (Bruhn et al., 2012). Brand awareness affects a purchase intentions customer's (Dabbous, & Barakat, 2020). Thus, brands using platforms of social media can for sure promote their entities to first create awareness and then to turn this awareness in to purchase intentions (Evans, 2008). To evaluate the direct impact of brand awareness on willingness to buy of smartphone in the context of millennials from India during Covid-19, the proposed hypothesis is as follows.

H8: Awareness about smartphone brand positively influence the purchase intention of smartphone brand.

2.4.2 Brand awareness and brand attitude

Marketing on social media is a new buzz for the organization as they are concentrating more on social networking sites Facebook, Twitter, Instagram etc. (Brennan & Croft, 2012). While building a new brand, brand awareness is the foremost stride to be taken (Kapferer, 2012) as it is a significant factor in brand equity. Brand recall along with brand recognition are the two parts which brand awareness can be divided into (Percy & Rossiter, 1992). The aspect of brand recognition appears when consumers are presented with a visual or a verbal cue to test their aptness to discern a brand whereas brand recall allude to the capability to memorize name of the brand when thinking about the category it is linked to (Percy & Rossiter, 1992).

Brand awareness influences the brand attitude (Bruhn et al., 2012). Brand attitude is developed by various encounters, which a customer has while making a purchase. To examine the impact brand awareness exert on brand attitude with reference to smartphone purchases by millennials during Covid-19, the proposed hypothesis is as follows.

H9: Awareness about Smartphone brand positively and significantly influence the brand attitude of smartphone brand.

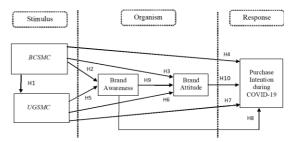
2.4.3 Brand attitude and purchase intention Brand attitude leads to shape behaviours (Spears & Singh 2004), thus leading to intention to purchase (Bagozzi 1981; Spears & Singh 2004). Various research studies relate it to attitude and customer possibility to prefer a brand (Kim & Johnson 2016), so purchase intention predicts the customer future behaviour which depends on their attitudes. As predicting future purchase behaviour of the consumer is very important for marketers as it can become one of the competing factors for the brand, so it is of great significance to estimate purchase intention punctually (Park et al., 2012).

The intention to purchase is the resultant of brand attitude (Spears & Singh 2004), since the behavioural intent is influenced by brand attitude (Wang et al., 2009; Bruhn et al., 2012; Eagly & Chaiken, 1993). On considering the above literature, following hypotheses are proposed:

H10: The brand attitude of Smartphone brand positively influences the purchase intention for smartphone brand.

Thus, in order to examine the associations that are abovementioned, the authors proposed an *S-O-R Approach* based model. The hypothetical model is exhibited in figure 1.

Figure 1: Research Model Hypothesized through S-O-R approach



3. METHODOLOGY

3.1 Instrument

The present study utilizes the information gathered through well-structured a questionnaire. Out of total 550 filled in questionnaires, а few incomplete questionnaires were rejected to result in 513 valid ones. The questionnaire was drafted in the wake of an extensive literature survey and leading unstructured interviews with a few respondents. Six academics and practitioners from marketing domain filled in as specialists for assessing the content and wording of items. Based on their suggestions, some items were rephrased.

The final questionnaire was consisted of three parts wherein the first one incorporated the items measuring brand created and usercreated brand communication on social media, purchase intention, brand awareness, and brand attitude. All measures were on a 7-level Likert Scale (7 was Very Strongly Agree while 1 was just opposite of that). Table 1 presents a detailed description of the various measures adopted for the present study. Part II detailed the general information from the respondents about social media usage (see Table 2) whereas the Part IIIreported demographics of the interviewees (see Table 3). These questions included information consisting of gender, age, educational qualification and family income.

Table 1: Measures used for the Study

Construct	Adapted from		
Communication on social media initiated by the brand and generated by the user	Bruhn et al. (2012), Tsiros et al. (2004), Schivinski and Dabrowski (2013)		
Brand Awareness	Villarejo-Ramos and Sanchez-Franco (2005), Low & Lamb (2000), Yoo, Donthu and Lee (2000)		

Brand Attitude	Villarejo-Ramos and Sanchez-Franco (2005)
Purchase Intention During COVID-19	Shukla (2011) Yoo, Donthu and Lee (2000)

Table 2: Respondents' Social Media Usage

Usage of social media		Frequency
	PC	118
	Laptop	276
How do you	Smartphone	440
access social	Smart TV	33
media	Tablet	47
	Smartwatch	02
	Facebook	322
	Twitter	56
Type of social	LinkedIn	70
media you use	YouTube	345
the most	Instagram	178
	WhatsApp	404
	Pinterest	23
Number of	1 to 3 hrs	434
hours a day	3 to 6 hrs	65
you spend on	More than 6 hrs	14
social media		

Table 3: Respondents Demographic Profile (N=513)

Demograpl	Number of Respondents	
Gender	Male	238
	Female	275
Age	22 - 26 years	194
(Years)	27 - 30 years	186
	31 - 34 years	127
	35 - 40 years	6
Education	Up to 10+2	71
	Graduate	160
	Postgraduate	232
	Doctorate	48
	Any Other	2
Family	Below 50,000	407
Income	50,001 to 1,00,000	49
(Monthly)	1,00,001 to 1,50,000	21
	Above 1,50,000	36

Initially, EFA and Cronbach's α scores were espoused to measure items' reliability. For each scale the α score was above 0.70 (see Table 4). The constructs' dimensionality was examined through EFA (varimax rotation). All items were laden on one factor, and it showed that communication on social media initiated

by the brand, communication on social media generated by the user, brand awareness, brand attitude, purchase intention are unidimensional. No evidence of cross loading was reported.

Table 4: Reliability Coefficients of Dimensions

Construct	No. of	Cronbach's
	items	Alpha
Communication on	4	.891
social media initiated		
by the firm		
Communication on	4	.850
social media generated		
by the user		
Brand awareness	4	.912
Brand attitude	3	.915
Purchase intention	3	.892
During COVID-19		

Furthermore, the CMB was examined through Harman's test as well as by common latent factor method. For Harman's test, all scale items were laden on an individual factor for extraction using EFA. As the explained variance of 31.32% was less than threshold of 50 percent, CMB was not a matter of concern. In the common latent factor method, the regression weights of both the models, i.e. with and without latent factor, were revealed to have a difference of less than 0.20 (see Gaskin, 2012) and it again proved that CMB was not an issue herein.

3.2 Sample Design

For the determination of minimum size of sample, version 3.1.9 of G*power was used (Sharma et al 2021, 2022c). The power figure of 0.95 and an effect size of 0.05 was achieved with a minimum sample of 269 (Faul et al., 2009). Therefore, a sample of 513 respondents in the current study satisfies the minimum sample size requirements.

Further, in present study, the sampling unit was a millennial, the person born between 1980 and 2000 (Galdames & Guihen, 2020). Both marketers and academics are interested in millennials, as they are computerized locals (Prensky, 2001). They are the one who has spent their whole lives in the advanced condition and there is a significant influence of data innovation on their lifestyle (Bennett et al., 2008). Moreover, millennials

effectively contribute, shares, content via web-based networking media stages.

The primary reason for the selection of millennials is that top organizations are targeting millennials because of the fact that students have an irrefutable hold on social media. Moreover, the research teams of various companies monitoring online movement to best penetrate customer

arraying in-between 0.872 to 0.915, which were well above the 0.70 threshold number (Bagozzi & Yi, 1988). AVE counts ranged inbetween 0.633 to 0.783 surpassed the threshold count of 0.50 (see Fornell & Larcker, 1981). All AVE values were lower than CR values (Byrne, 2010). AVE counts were higher than the MSV values (see Table 5), thus affirming the discriminant validity (see Hair et al. 2010).

Table 5: Validity & Reliability

Construct	Cronbach's	CR	MSV	AVE	FCSMC	BAWA	BAT	PI	UGSMC
	Alpha								
FCSMC	0.915	0.915	0.404	0.783	0.885				
BAWA	0.891	0.892	0.161	0.675	0.089	0.821			
BAT	0.850	0.872	0.161	0.633	0.122	0.401	0.795		
PIDC	0.912	0.913	0.404	0.725	0.636	0.263	0.219	0.852	
UGSMC	0.892	0.892	0.278	0.735	0.527	0.113	0.214	0.526	0.857

[Source: Authors' own. Note: CR- Composite Reliability, MSV-Maximum shared variance, AVE- Average Variance Extracted, FCSMC-Communication on social media initiated by the firm, BAWA-Brand awareness, BAT-Brand attitude, PI-Purchase Intention During COVID-19, UGSMC- Communication on social media generated by the user]

interaction posit that millennials are more active on social media as compared to other generation. The data was collected from various cities of Punjab, namely Chandigarh, Ludhiana, Amritsar, and Jalandhar. These cities were selected after giving a due consideration to the aspects of urbanization and contribution to the economy of the state (Punjab Economic Survey, 2021). With an objective to understand the social media usance, respondents active on social media were only asked to fill in the questionnaire.

4. RESULTS

The descriptive and inferential analysis for the study was carried out mainly through percentages and chi square test respectively. The statistical tools employed for the analysis of data were SPSS 20.0 and AMOS18.0.

4.1 Measurement Model

The model comprising of all the constructs, namely brand awareness, communication at social media initiated by the brand and rendered by user, brand attitude, and purchase intention, was tested. AVE, average shared squared variance, composite reliability, and maximum shared squared variance were used to establish convergent and discriminant validities (Hair et al., 2010). CR values were

Using the covariance matrix, the model fit compared the theory to data (Hair et al., 2010), and the proposed theory was revealed to have met the threshold values required for the model fit. All the indices of model fit were reported as Chi-square/df= 3.138, TLI=0.949, RMSEA=0.065, NFI=0.940, IFI=0.958, CFI=0.958, and RFI=0.926. Based on threshold criteria, the model was found to be a good fit.

4.2 Structural Model

The model fit indices were recorded as - Chisquare/df = 3.273, CFI = 0.947, RFI = 0.912, NFI = 0.926, IFI = 0.947, TLI = 0.937, GFI = 0.902, AGFI = 0.873, and RMSEA = 0.065. Overall, SEM model of the study came out to be the good fit as goodness and badness of fit indices were within threshold (Baumgartner & Homburg 1996). The findings pertained to the parameter indices show that, except for UGSMC→BAT and FCSMC→PI, the magnitude of critical ratios for all the associations was bigger than 1.96. Further, the standardized estimates for UGSMC→BAT and FCSMC→PI were not significant. Accordingly, excepting H4 and H6, all hypotheses are supported (see Table 6). Discussion on this is reported in Section 5 of this manuscript.

Table 6: Research Hypotheses Testing

Hypothesis	Path	Standardized	Critical	p-Value	Hypothesis
		Estimate	Ratio		Supported
H1	FCSMC→UGSMC	0.052	8.076	***	Supported
H2	FCSMC→ BAWA	0.054	3.927	***	Supported
Н3	FCSMC→BAT	0.042	-1.986	***	Supported
H4	FCSMC→PIDC	0.054	-0.972	0.331	Not supported
Н5	UGSMC→BAWA	0.051	2.573	***	Supported
Н6	UGSMC→BAT	0.039	0.330	0.741	Not Supported
H7	UGSMC→PIDC	0.050	2.702	0.007**	supported
H8	BAWA→PIDC	0.066	5.169	***	Supported
Н9	BAWA→BAT	0.043	13.624	***	Supported
H10	BAT→PIDC	0.070	5.636	***	Supported

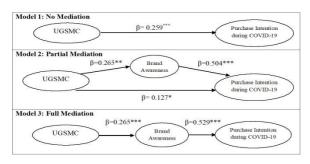
[Source: Authors' own. Note:-FCSMC-Firm Created Communication on social media, BAWA-Brand awareness, BAT-Brand attitude, PI-Purchase Intention During COVID-19; UGSMC- Communication on social media generated by the user, ***p<0.001, **<0.05]

4.3 Mediation Effect

Three competing models were formed to test the relationship between purchase intention and SMC generated by user through the brand awareness's mediation.

The findings in this regard reveal that user generated SMC exerts a positive impact on the purchase intention in the absence of brand awareness (β =0.259, p < 0.001) (see Model 1) and SMC generated by user has a positive impact on the brand awareness (β =0.265, p < 0.001) (see Model 2). Furthermore, it also reveals that the impact of user generated SMC on purchase intention was substantially reduced from 0.259 to 0.127 in the comportment of brand awareness.

Figure 2: Competing Models in Examining the Mediating Effect



[Source: Authors' own. Note: *UGSMC-Communication on social media generated by the user;**** <.001, *<.05]

It reveals that the Model 3, which assumed complete mediation, exhibited better model fit as compared to Model 2, which assumed partial mediation. Hence, it is concluded that the relationship in between user generated communication on social media platform and purchase intention is completely mediated by brand awareness.

Table 7: Competing Models

Direct Effect	Model	Model	Model
	1	2	3
UGSMC→ PIDC	0.259***	0.127*	
UGSMC→ Brand		0.265***	0.265***
Awareness			
Brand		0.504***	0.529***
Awareness→			
PIDC			

Source: Authors' own. Note:-UGSMC-Communication on social media generated by the user; PI-Purchase Intention During COVID-19, *** <.001, *<.05.

5. DISCUSSION

When the pre-existing research (see Bruhn et al., 2012; Hajli, 2013) has largely been confined to check the influence social media brand communication exerts on brand equity across different industries, this study, in its own unique way, investigates the influence of social media conversations of smartphone brand on consumer brand metrics during COVID-19. The findings pertained to the effect of SMC of a smartphone brand on the user generated communication during COVID-19 go well with Godes & Mayzlin (2009) who remarked that communication initiated by the brand media on social rouse

communication generated by the user on social media. It is so because the brands indulged in user-generated content engages with the customers, leaves a long lasting impression on customers minds (Mangold & Faulds, 2009), and leads to have a positive impact on user-generated content (Ceballos et al., 2016).

The findings regarding the impact of brand initiated and user generated communication on the brand awareness commensurate with Schivinski & Dabrowski (2015), Godes & Mayzlin (2009), Burmann & Arnhold (2008) in the present context of Covid-19. It might be that incremental hours being spent on social media by users during COVID-19 allow them to indulge in creating, sharing and consuming of content regarding smartphone brands, which then causes their awareness level regarding smartphone brand to rise. Further, brand awareness of smartphone brand is revealed to have a significant influence on the brand attitude, which is in agreements with Bruhn et al., (2012); and Fishbein & Ajzen (1975).

The findings that brand awareness and brand attitude influence the purchase intention of the smartphone brand is in line with Hutter et al., (2013); Lu et al., (2014); Bruhn et al., (2012); Balakrishnan et al., (2014); and Eagly & Chaiken, (1993). As the contact tracing and vaccine registration through smartphone based app Aarogya Setu in India (Basu, 2021; Nagori, 2021) has pressed for smartphone requirements, the purchase intention of users are being influenced positively and brand awareness, along with brand attitude, is playing its due role in it. It is surprising to the study finds that the communication initiated by smartphone brand on social media does not influence the purchase intention. This result of the study is in disagreement with the research work of Schivinski & Dabrowski (2016). It might be that most of the users are facing job loss and salary reductions during Covid-19 (Islam, et al., 2020), and they find users generated posts, reviews and mentions more trustworthy for saving on purchases.

5.1. Theoretical Implications

During the COVID-19, it is quite surprising that the consumers are experiencing two contradicting phenomena of abundance and scarcity concurrently. On abundance, the scenarios like stay home regulations (Bates et al. 2021; Chakraborty, Kumar, Upadhyay, & Dwivedi, 2020), online classes (Kundu & Bej, 2021), retrenchments (Shulga & Busser, 2021), and work from home (Jenkins & Smith, 2021) culture across the globe have left the consumer with ample spare time, which has again incremented the hours spent by them on social media by a few hours on a day-to-day basis (Tankovska, 2021; Morgan Stanley Research, 2020). It has left the consumers with abundance of content, which they either create, or share, or consume online. On scarcities, the source scarcity is being experienced through job losses, salary cuts, non-availability of product, manpower, and services etc., while social comparison is being dealt with self-regulation (Cannon et al. 2019) etc.. The choice restriction is being faced selection, through evaluation, consumption of products and available to them as per the restrictions, whereas the environmental uncertainty is being experienced through panic purchase (Omar, Nazri, Ali, & Alam, 2021), postponing purchases (Sheth, 2020), stocking (Bandyopadhyaya & Bandyopadhyaya, 2021), etc. Thus, consumers nowadays are dealing with all the four scarcities, namely resource scarcity; social comparison; choice restriction; and environmental uncertainty, (see Hamilton et al., 2019) in unique way with the due assistance of social media. Therefore, whether it is scarcity or it is abundance, consumers are nowadays on social media with incremented hours while creating, sharing, and consuming the content. In this scenario, it becomes evident to examine how the incremented creation, sharing, and consumption of online content will influence purchase intention of smartphone in the context of an emerging country India wherein the inception of contact tracing and vaccine registration through smartphone-based app AarogyaSetu (see Basu, 2021; Nagori, 2021) has pushed the smartphone demand to all new levels. This research attempts to it and accumulates the theory by revealing that stimuli increment significantly entices the organism, which then further moulds the response. Besides it, by unravelling the disagreement and intricacies between the brand initiated and user generated communication on the social media platform, this study adds to the theory by suggesting that brand initiated

communication does affect purchase intention of consumers, but in a different way, specifically through user generated brand communication (Sonnier et al., 2011). Thus, the contrasting impact of both form of communication on social media indicates that customers not only react to the information, but also take into consideration the sources of online content.

5.2. Managerial Implications

Besides being theoretical insightful, this study renders managerial propositions of import as The finding suggests that smartphone brands should re-evaluate their current social media content to qualify for positive user generated content. By doing so, they can better deal with the selective attention; selective distortion; and selective retention (Sen, & Sengupta, 2021) of the prospective customers during the current phase of information overload (Xie, & Tsai, 2021). While developing customer-to-customer SMC brands should be very careful as it can sometimes backfire. Brand managers should focus on building social media emotional attachment of customers towards the brand, which has multiple benefits of providing credibility, and enhancing satisfaction towards the brand. Marketers should provide with an opportunity of co-creation to the consumers building synchronous synchronous capacity within social media. Along with the monitoring of what is being written and who is writing, no negative customer feedback should go unnoticed and unanswered as it can really be a setback for The collective efforts brand. communication initiated by the brand and on social media offer abundant opportunities for enhancing brand equity. Additionally, brand managers while targeting the customers on social media can keep the audience attracted by informing them about discounts, special offers, etc. as customers are becoming more deal prone during COVID-19 because the aspects of job losses, pay cuts and losing the breadwinner have incremented the utility to be drawn from each single penny manifolds. Furthermore, organizations could come up with an idea of providing extra discounts to the customers who would present a discount code that could be downloaded from the organization's social media platform.

5.2 Limitations and Directions for Future Research Though present research is insightful for practitioners and researchers, it has some limitations too. First, the data was gathered from Punjab cities i.e. Jalandhar, Ludhiana, Amritsar and union territory Chandigarh, therefore, a generalization of the findings is limited to Punjab region only. Future studies can explore other cities of India and analyse sub-groups, which, in turn, could provide a more precise picture. Second, this study was of quantitative nature wherein survey questionnaire method was used for collecting the data. Future studies can also espouse interviews and focus group discussions to comprehensive consumer acquire more insights and responses. Third, this study only considered SMC done by smartphone brand. Future studies can investigate some other industries to display an appropriate picture of the different mechanisms that operates with brands from diverse industries. Last, the present study mainly focused on millennials, a generational group possessing the highest purchasing power (Moreno et al., 2017; Bolton et al., 2013) and using social media the most (Chatzigeorgiou, 2017). Future studies can analyse other generational groups as well.

6. CONCLUSION

Marketing is now getting transformed from Marketing 4.0 to Marketing 5.0 and the spinoffs of COVID-19, like stay home restrictions, online classes, work from home etc., are playing the role of catalysts in this. Consumers experiencing contradicting two phenomena of abundance and scarcity concurrently where in H2H marketing (Kotler, Pfoertsch, & Sponholz, 2021) of information through social media is playing a predominant role. The numbers of hours spent on social media are getting incremented (Tankovska, 2021; Morgan Stanley Research, 2020) and so are the creation, consumption and sharing of content. In these circumstances, it becomes quite evident to examine how the incremented engagement with online content will influence purchase intention of smartphone in the context of an emerging market of India wherein the inception of contact tracing (Fahey, & Hino, 2020)and vaccine registration through smartphone-based app AarogyaSetu (Basu, 2021; Nagori, 2021) has pushed the smartphone demand to new highs. Through the SOR approach (Mehrabian & Russell, 1974), this study facilitates a detailed analysis

of the social media impact on consumer brand metrics of smartphones during COVID-19 for Indian millennials.

Our findings highlight that communication initiated by the brand has no direct effect on intention to purchase smartphone brand, but indirectly it was found to influence the purchase intention of smartphone brand through brand awareness. Whereas SMC generated by the user for smartphone brand positively influences purchase intention and brand awareness of smartphone brand. Besides it, the findings also revealed that the communication initiated by the brand on social media for smartphone brand during COVID-19 has a considerable positive impact on communication generated by the users on social media for smartphone brand. These findings provide adequate support to recognize the proposed framework as a valuable tool while future prospects and gauging the validity of current approaches. Thus, besides being insightful to the marketers on how they can target this cohort in a better way, this research bestows to existent literature on how the communication on social media influence the brand metrics of a high involvement purchase when incremented hours are being spent on social media due to lockdowns and home stay restrictions.

REFERENCES

- Anshari, M., Alas, Y., Razzaq, A., Shahrill, M., & Lim, S. A. (2021). Millennials Consumers' Behaviors between Trends and Experiments', In Research Anthology on E-Commerce Adoption, Models, and Applications for Modern Business (1492-1508). IGI Global.
- Arya, V., Paul, J., & Sethi, D. (2021). Like it or not! Brand communication on social networking sites triggers consumerbased brand equity. International Journal of Consumer Studies. https://doi.org/10.1111/ijcs.12763
- Arya, V., Sethi, D., & Verma, H. (2018). Are emojis fascinating brand value more than textual language? Mediating role of brand communication to SNS and brand attachment. *Corporate Communications: An International Journal*, 23(4), 648-670. https://doi.org/10.1108/CCIJ-03-2018-0036
- Arya, V., Sethi, D., & Paul, J. (2019). Does digital footprint act as a digital asset? –

- Enhancing brand experience through remarketing. *International Journal of Information Management*, 49, 142–156. https://doi.org/10.1016/j.ijinfomgt.2019.
 03.013
- Ayeh, J., Au, N., & Law, R. (2013). Do we believe in TripAdvisor?" examining credibilityperceptions and online travelers' attitude toward using usergenerated content. *Journal of Travel Research*. 52(4), 437–452.
- Bagozzi, R. P. (1981). Attitudes, intentions, and behavior: A test of some key hypotheses. *Journal of Personality and Social Psychology*. 41(4), 607-627.
- Bagozzi, R. P., & Yi, Y. (1988). On the evaluation of structural equation models. *Journal of the academy of marketing science*, 16(1), 74-94.
- Balakrishnan, B. K., Dahnil, M. I., & Yi, W. J. (2014). The impact of social media marketing medium toward purchase intention and brand loyalty among generation Y. *Procedia-Social and Behavioral Sciences*, 148(August), 177-185.
- Bandyopadhyaya, V., & Bandyopadhyaya, R. (2021). Understanding the Impact of COVID-19 Pandemic Outbreak on Grocery Stocking Behaviour in India: A Pattern Mining Approach". Global Business Review, ahead-of-print (ahead-of-print).
- Banks, D., Daus, K., & Lowenstein, M. (2002). Customer. Community: Unleashing the power of your customer base. San Francisco, CA: Jossey-Bass.
- Barreda, A. A., Bilgihan, A., Nusair, K., & Okumus, F. (2015). Generating brand awareness in online social networks. *Computers in Human Behavior*, 50 (Not Available), 600-609.
- Basu, S. (2021). Effective contact tracing for COVID-19 using mobile phones: an ethical analysis of the mandatory use of the aarogyasetu application in India. *Cambridge Quarterly of Healthcare Ethics*, 30(2), 262-271.
- Bates, A. E., Primack, R. B., Duarte, C. M., & PAN-Environment Working Group. (2021). "Global COVID-19 lockdown highlights humans as both threats and custodians of the environment". *Biological Conservation*, ahead-of-print (ahead-of-print). DOI: 10.1016/j.biocon.2021.109175
- Baumgartner, H., & Homburg, C. (1996). Applications of structural equation

- modeling in marketing and consumer research: A review. *International Journal of Research in Marketing*, 13(2), 139-161.
- Bennett, S., Maton, K., &Kervin, L. (2008). The 'digital natives' debate: A critical review of the evidence". *British Journal of Educational Technology*, 39(5), 775-786.
- Boerman, S., Van Reijmersdal, E., & Neijens, P. (2014). Effects of sponsorship disclosuretiming on the processing of sponsored content: A study on the effectiveness of eur-opean disclosure regulations", *Psychology and Marketing*, 31(3), 214–224.
- Bolton, R. N., Parasuraman, A., Hoefnagels, A., Migchels, N., Kabadayi, S., Gruber, T., KomarovaLoureiro, Y., & Solnet, D. (2013). Understanding Generation Y and their use of social media: a review and research agenda, *Journal of Service Management*, 24(3). 245-267.
- Brennan, R., & Croft, R. (2012). The use of social media in B2B marketing and branding: An exploratory study", *Journal of Customer Behaviour*, 11(2), 101-115.
- Bruhn, M., Schoenmueller, V., &Schäfer, D. B. (2012). Are social media replacing traditional media in terms of brand equity creation?, Management Research Review, 35(9), 770-790.
- Burmann, C., & Arnhold, U. (2008). *User generated branding: state of the art of research*. Berlin: Lit Verlag.
- Byrne, Barbara M. (2010). Structural equation modeling with AMOS: basic concepts, applications, and programming (multivariate applications series). New York: Taylor & Francis Group.
- Cannon, C., Goldsmith, K., & Roux, C. (2019). A self- regulatory model of resource scarcity", Journal of Consumer Psychology, 29(1), 104-127.
- Carlson, J., Rahman, M., Voola, R. and De Vries, N. (2018). Customer engagement behaviours in social media: capturing innovation opportunities, *Journal of Services Marketing*, 32(1), 83-94.
- Ceballos, M., Crespo, Á. G., &Cousté, N. L. (2016). Impact of firm-created content on user-generated content: using a new social media monitoring tool to explore Twitter. In *Rediscovering the Essentiality of Marketing* (pp. 303-306). Cham: Springer.
- Chakraborty, T., Kumar, A., Upadhyay, P., & Dwivedi, Y. K. (2020). Link between social distancing, cognitive dissonance,

- and social networking site usage intensity: a country-level study during the COVID-19 outbreak. *Internet Research*, 31(2), 419-456.
- Chatzigeorgiou, C. (2017). Modelling the impact of social media influencers on behavioural intentions of millennials: The case of tourism in rural areas in Greece. *Journal of Tourism, Heritage & Services Marketing*, 3(2), 25-29
- Chaudhuri, A. (2006), Emotions and Reason in Consumer Behavior, Burlington: Elsevier
- Dabbous, A., & Barakat, K. A. (2020), Bridging the online offline gap: Assessing the impact of brands' social network content quality on brand awareness and purchase intention, *Journal of Retailing and Consumer Services*, 53(March), 101966.
- Dens, N., De Pelsmacker, P., Wouters, M., & Purnawirawan, N. (2012). DO YOU LIKE WHAT YOU RECOGNIZE? The effects of brand placement prominence and movie plotconnection on brand attitude as mediated by recognition, *Journal of Advertising*, 41(3), 35–53.
- <u>Duffett, R.G.</u> (2015). Facebook advertising's influence on intention-to-purchase and purchase amongst Millennials, <u>Internet</u> <u>Research</u>, 25(4), 498-526.
- Dwivedi, Y. K., Ismagilova, E., Hughes, D. L., Carlson, J., Filieri, R., Jacobson, J., ... & Wang, Y. (2021). Setting the future of digital and social media marketing research: Perspectives and research propositions. *International Journal of Information Management*, 59, 102168.
- Eagly, A. H., & Chaiken, S. (1993). *The psychology of attitudes*. Harcourt Brace Jovanovich College Publishers.
- Erdoğmuş, İ. E., & Cicek, M. (2012). The impact of social media marketing on brand loyalty", *Procedia-Social and Behavioral Sciences*, 58(October), 1353-1360.
- Evans, D. (2008). Social media marketing: An hour a day. Wiley Publishing, Indianapolis
- Fahey, R. A., & Hino, A. (2020). COVID-19, digital privacy, and the social limits on data-focused public health responses. International Journal of Information Management, 55, 102181.
- Faul, F., Erdfelder, E., Buchner, A., & Lang, A. G. (2009). Statistical power analyses using G* Power 3.1: Tests for correlation and

- regression analyses. Behavior research methods, 41(4), 1149-1160.
- Fishbein, M., & Ajzen, I. (1975). Belief, attitude, and behavior: An introduction to theory and research. Phillippines: Addison Wessley Publishing Company.
- Fornell, C., & Larcker, D. F. (1981). Structural equation models with unobservable variables and measurement error: Algebra and statistics, *Journal of Marketing Research*, 18(3), 382-388.
- Foux, G. (2006). Consumer-generated media: Get your customers inved, *Brand Strategy*, 8(202), 38-39.
- Galdames, S., & Guihen, L. (2020). Millennials and leadership: a systematic literature review", *Total Quality Management & Business Excellence*, Ahead-of-print (ahead-of-print).
 - DOI: <u>10.1080/14783363.2020.1812380</u>
- Gaskin, J. (2012). Common method bias using common latent factor. *Gaskination's Statistics, available at: http://youtube.com/Gaskination (accessed May 20, 2021).*
- Godes, D., & Mayzlin, D. (2009). Firm-created word-of-mouth communication: Evidence from a field test. *Marketing science*, 28(4), 721-739.
- Goyal, S., Chauhan, S., & Gupta, P. (2021). Users' response toward online doctor consultation platforms: SOR approach. *Management Decision*.
- Hair, J. F. Black, WC, Babin, BJ, & Anderson, RE (2010). *Multivariate data analysis*, Upper Saddle River, NJ: Pearson
- Hajli, M. (2013). A research framework for social commerce adoption, *Information Management & Computer Security*, 21(3), 144-154.
- Hajli, M. N. (2014). A study of the impact of social media on consumers", *International Journal of Market Research*, 56(3), 387-404.
- Hamilton, R. W., Mittal, C., Shah, A., Thompson, D. V., & Griskevicius, V. (2019). How financial constraints influence consumer behavior: An integrative framework, *Journal of Consumer Psychology*, 29(2), 285-305.
- Hanaysha, J.R., Sharma, A., & Momani, A. M. (2021). An exploration of social media marketing features and brand loyalty in the fast-food industry. *Journal of Content Community and Communication*, 14 (2021), pp. 81-92, 10.31620/JCCC.12.21/08
- Harris, L., & Rae, A. (2009). Social networks: the future of marketing for small

- business, *Journal* of Business Strategy, 30(5), 24-31.
- Hays, S., Page, S. J., & Buhalis, D. (2013). Social media as a destination marketing tool: its use by national tourism organisations, *Current Issues in Tourism*, 16(3), 211-239.
- Hoffman, D. L., & Fodor, M. (2010). Can you measure the ROI of your social media marketing?, MIT Sloan Management Review, 52(1), 41-49.
- Hoyer, W. D., & Brown, S. P. (1990). Effects of Brand Awareness on Choice for a Common, Repeat Purchase Product, Journal of Consumer Research, 17(2), 141– 148
- Hu, X., Huang, Q., Zhong, X., Davison, R. and Zhao, D. (2016). The influence of peer characteristics and technical features of a social shopping website on a consumer's purchase intention," *International Journal of Information Management*, 36(6), 1218-1230.
- Hutter, K., Hautz, J., Dennhardt, S., & Füller, J. (2013). The impact of user interactions in social media on brand awareness and purchase intention: the case of MINI on Facebook", Journal of Product & Brand Management, 22(5/6), 342-351.
- Islam, T., Pitafi, A. H., Arya, V., Wang, Y., Akhtar, N., Mubarik, S., & Xiaobei, L. (2020). Panic buying in the COVID-19 pandemic: A multi-country examination. Journal of Retailing and Consumer Services, 102357. https://doi.org/10.1016/j.jretconser.2020.102357
- Ivanova, O., Flores-Zamora, J., Khelladi, I., &Ivanaj, S. (2019). The generational cohort effect in the context of responsible consumption", *Management Decision*. 57(5), 1162-1183.
- Jain, V. K., Arya, V., & Sharma, P. (2021).
 Social Media And Sustainable Behavior:
 A Decision Making Framework Using Interpretive Structural Modeling (ISM),
 Journal of Content Community & Communication, 14, 1-13.
- Janiszewski, C. (1993). Preattentive Mere Exposure Effects, Journal of Consumer Research, 20 (3), 376–392
- Jenkins, F., & Smith, J. (2021), Work-fromhome during COVID-19: Accounting for the care economy to build back better, *The Economic and Labour Relations Review*, 32(1), 22-38.

- Jhamb, D., Kampani, N., & Arya, V. (2021). Embracing the employee orientation: does customer relationship matter in brand building?. *Benchmarking: An International Journal*. 29, 2, 411-433.
- Kapferer, J. N., & Bastien, V. (2012). *The luxury strategy: Break the rules of marketing to build luxury brands*. London, Philadelphia and New Delhi: Kogan page publishers.
- Kaplan, A. M., & Haenlein, M. (2010). Users of the world, unite! The challenges and opportunities of Social Media, *Business Horizons*, 53(1), 59-68.
- Karimi, S., & Naghibi, H. S. (2015). Social media marketing (SMM) strategies for small to medium enterprises (SMEs), International Journal of Information, Business and Management, 7(4), 86-98.
- Keller, K. L. (2003). Brand Synthesis: The Multidimensionality of Brand Knowledge, *Journal of Consumer Research*, 29(4), 595–600.
- Kietzmann, J. H., Hermkens, K., McCarthy, I. P., & Silvestre, B. S. (2011). Social media? Get serious! Understanding the functional building blocks of social media, *Business Horizons*, 54(3), 241-251.
- Kim, A. J., & Johnson, K. K. (2016). Power of consumers using social media: Examining the influences of brandrelated user-generated content on Facebook, *Computers in Human Behavior*, 58(May), 98-108.
- Kotler, P., Pfoertsch, W., & Sponholz, U. (2021). The New Paradigm: H2H Marketing. In H2H Marketing (29-90). Springer, Cham.
- Kotler, P., Kartajaya, H., & Setiawan, I. (2021). *Marketing* 5.0: Technology for humanity. New Jersey and Canada: John Wiley & Sons.
- Kundu, A., & Bej, T. (2021). COVID-19 response: students' readiness for shifting classes online, Corporate Governance: The International Journal of Business in Society, ahead-of-print.
- Kunja, S. R., Kumar, A., & Rao, B. (2022). Mediating role of hedonic and utilitarian brand attitude between eWOM and purchase intentions: a context of brand fan pages in Facebook. *Young Consumers*. 23(1), 1-15.
- Low, G. S., & Lamb, C. W. (2000). The measurement and dimensionality of

- brand associations, Journal of product & brand management. 9(6), 350-370.
- Lu, L. C., Chang, W. P., & Chang, H. H. (2014). Consumer attitudes toward blogger's sponsored recommendations and purchase intention: The effect of sponsorship type, product type, and brand awareness, *Computers in Human Behavior*, 34(May), 258-266.
- Mangold, W. G., & Faulds, D. J. (2009). Social media: The new hybrid element of the promotion mix, *Business horizons*, 52(4), 357-365.
- Marshall, G. W., Moncrief, W. C., Rudd, J. M., & Lee, N. (2012). Reution in sales: The impact of social media and related technology on the selling environment, *Journal of Personal Selling & Sales Management*, 32(3), 349-363.
- Mehrabian, A. and Russell, J. A. (1974). *An approach to environmental psychology*. Washington: The MIT Press.
- Moreno, F. M., Lafuente, J. G., Carreón, F. Á., & Moreno, S. M. (2017). The characterization of the millennials and their buying behavior, *International Journal of Marketing Studies*, 9(5), 135-144.
- Morgan Stanley Research (2020) in Business Standard 7 September, 2020 AlgoRhythm
- Muntinga, D. G., Moorman, M. & Smit, E. G. (2011). Introducting Cobras: Exploring Motivations for Brand-Related Social Media Use, *International Journal of Advertising*, 30(1), 13–46.
- Nagori, V. (2021). "AarogyaSetu": The mobile application that monitors and mitigates the risks of COVID-19 pandemic spread in India, *Journal of Information Technology Teaching Cases*, Case No. 2043886920985863.
- Omar, N. A., Nazri, M. A., Ali, M. H., & Alam, S. S. (2021). The panic buying behavior of consumers during the COVID-19 pandemic: Examining the influences of uncertainty, perceptions of severity, perceptions of scarcity, and anxiety, *Journal of Retailing and Consumer Services*, 62, 102600.
- Park, E. J., Kim, E. Y., Funches, V. M., & Foxx, W. (2012). Apparel product attributes, web browsing, and e-impulse buying on shopping websites, *Journal of Business Research*, 65(11), 1583-1589.
- Percy, L., & Rossiter, J. R. (1992). A model of brand awareness and brand attitude

- advertising strategies, *Psychology & Marketing*, 9 (4), 263-274.
- Prensky, M. (2001). Digital natives, digital immigrants part 1, *On the horizon*, 9(5), 1-6.
- Punjab Economic Survey 2019-20 (accessed January 13, 2021).https://www.esopb.gov.in/static/PDF/EconomicSurvey-2019-20.pdf
- Rashid, R. M., Pitafi, A. H., Qureshi, M. A., & Sharma, A. (2022). Role of Social Commerce Constructs and Social Presence as Moderator on Consumers' Buying Intentions During COVID-19. Frontiers in Psychology, 13, 772028-772028.
- Rossiter, J. R., & Percy, L. (1987). *Advertising* and promotion management. Washington: McGraw-Hill Book Company.
- Sahoo, D. and S. Pillai, S. (2017). Role of mobile banking servicescape on customer attitude and engagement: An empirical investigation in India, *International Journal of Bank Marketing*, 35(7), 1115-1132.
- Samet, A. (2020). How the Coronavirus Is Changing US Social Media Usage, *Insider Intelligence*, 97(29), 1-3.
- Schivinski, B., & Dąbrowski, D. (2013). The impact of brand communication on brand equity dimensions and brand purchase intention through Facebook, GUT FME Working Paper Series A. Gdansk (Poland): Gdansk University of Technology, Faculty of Management and Economics, 4(4), 1-24.
- Schivinski, B., &Dabrowski, D. (2015). The impact of brand communication on brand equity through Facebook, *Journal of Research in Interactive Marketing*, 9(1), 31-53.
- Schivinski, B., & Dabrowski, D. (2016). The effect of social media communication on consumer perceptions of brands, *Journal of Marketing Communications*, 22(2), 189-214.
- Sen, A., & Sengupta, S. (2021). Digital reution and information age: emergence of economies of attention, *Open Access International Journal of Science & Engineering*, 6(3). 89-95.
- Sharma, A., Dwivedi, Y. K., Arya, V., & Siddiqui, M. Q. (2021). Does SMS advertising still have relevance to increase consumer purchase intention? A hybrid PLS-SEM-neural network

- modelling approach. *Computers in Human Behavior*, 106919. https://doi.org/10.1016/j.chb.2021.10691
- Sharma, A., Fadahunsi, A., Abbas, H., & Pathak, V. K. (2022a). A multi-analytic approach to predict social media marketing influence on consumer purchase intention. *Journal of Indian Business Research*. 14(2), 125-149.
- Sharma, A., Dwivedi, R., Mariani, M. M., & Islam, T. (2022b). Investigating the effect of advertising irritation on digital advertising effectiveness: A moderated mediation model. Technological Forecasting and Social Change, 180, 121731.
- Sharma, A., Pathak, V.K. and Siddiqui, M.Q. (2022c), "Antecedents of mobile advertising value: a precedence analysis using the hybrid RIDIT-GRA approach", Journal of Indian Business Research, Vol. 14, No. 2, pp. 108-124. https://doi.org/10.1108/JIBR-02-2021-0057
- Shao, G. (2009). Understanding the appeal of user-generated media: A uses and gratification perspective, *Internet Research*, 19(1), 7-25.
- Sheth, J. (2020). Impact of Covid-19 on consumer behavior: Will the old habits return or die?, *Journal of Business Research*, 117, 280-283.
- Shukla, P. (2011). Impact of interpersonal influences, brand origin and brand image on luxury purchase intentions: Measuring interfunctional interactions and a cross-national comparison, *Journal of World Business*, 46(2), 242-252.
- Shulga, L. V., & Busser, J. A. (2021). COVID-19 Human Resource Retrenchment Strategies and the Role of Transformational Leadership, ahead-ofprint (ahead-of-print).
- Smith, A. N., Fischer, E., &Yongjian, C. (2012). How does brand-related user-generated content differ across YouTube, Facebook, and Twitter?, *Journal of Interactive Marketing*, 26(2), 102-113.
- Sonnier, G. P., McAlister, L., &Rutz, O. J. (2011), A dynamic model of the effect of online communications on firm sales, *Marketing Science*, 30(4), 702-716.
- Spears, N., & Singh, S. N. (2004), Measuring attitude toward the brand and purchase

- intentions, *Journal of current issues & research in advertising*, 26(2), 53-66.
- Stein, J. (2013), Millennials: The me me me generation, *Time magazine*, . 20(May), 1-9.
- Susanto, H., Fang Yie, L., Mohiddin, F., Rahman Setiawan, A. A., Haghi, P. K., &Setiana, D. (2021), Revealing Social Media Phenomenon in Time of COVID-19 Pandemic for Boosting Start-Up Businesses through Digital Ecosystem, Applied System Innovation, 4(6), 1-21.
- Tankovska, 2021: USA https://www.statista.com/statistics/111 6148/more-time-spent-social-media-platforms-users-usa-coronavirus/
- Tsiros, M., Mittal, V. and Ross, W.T. Jr. (2004), The role of attributions in customer satisfaction: are examination, *Journal of Consumer Research*, 31(2), 476-483.
- Villarejo-Ramos, A. F., & Sanchez-Franco, M. J. (2005), The impact of marketing communication and price promotion on brand equity, *Journal of Brand Management*, 12(6), 431-444.
- Vithayathil, J., Dadgar, M., & Osiri, J. K. (2020). Social media use and consumer shopping preferences. International Journal of Information Management, 54, 102117. DOI: 10.1016/j.ijinfomgt.2020.102117
- Wang, X., Yang, Z., & Liu, N. R. (2009), The impacts of brand personality and congruity on purchase intention: Evidence from the Chinese mainland's automobile market, *Journal of Global Marketing*, 22(3), 199-215.
- Wang, Y., & Hajli, M. (2014), Co-creation in branding through social commerce: The role of social support, relationship

- quality and privacy concerns, In Proceedings of twentieth Americas conference on information systems, Savannah, Georgia.
- Wirtz, J., Den Ambtman, A., Bloemer, J., Horváth, C., Ramaseshan, B., Van De Klundert, J., &Kandampully, J. (2013), Managing brands and customer engagement in online brand communities, Journal of service Management, 24(3), 223-244.
- Xie, X. Z., & Tsai, N. C. (2021), The effects of negative information-related incidents on social media discontinuance intention: Evidence from SEM and fsQCA, *Telematics and Informatics*, 56, 101503.
- Ye, Q., Law, R., Gu, B., & Chen, W. (2011). The influence of user-generated content on traveler behavior: An empirical investigation on the effects of e-word-of-mouth to hotel online bookings, Computers in Human Behavior, 27, 634–639.
- Yoo, B., Donthu, N., & Lee, S. (2000). An examination of selected marketing mix elements and brand equity, *Journal of the academy of marketing science*, 28(2), 195-211.
- Zeng, F., Huang, L., & Dou, W. (2009). Social factors in user perceptions and responses to advertising in online social networking communities, *Journal of interactive advertising*, 10(1), 1-13.
- Zhu, F., & Zhang, X. (2010). Impact of online consumer reviews on sales: The moderating role of product and consumer characteristics, *Journal of Marketing*, 74, 133–148.
