

E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

# The Psychology of Online Purchasing UX Strategies to Reduce Drop-Off Rates

#### Sarah Zaheer

**UX** Designer

#### **Abstract**

The examines cognitive and affective considerations in decisions regarding online purchasing, with a focus on the fashion e-commerce sector. It explains key user experience (UX) techniques designed to minimize user abandonment in the consumer experience. The paper emphasizes the need for a seamless checkout design, citing that the reduction of form fields, loading times, and navigation complexity can improve user satisfaction and conversion rates. It demonstrates how perceived security and trust markers like third-party seals, customer reviews, and transparent return policies are key to establishing consumer confidence. Additionally, the study examines the influence of behavioral nudges like urgency cues, personalized offers, and default options from a human-computer interaction point of view. By employing data drawn from A/B testing, heatmaps, and Google Analytics, the study identifies user behavior trends that inform design decisions. Additionally, it assesses the influence of visual design elements and mobile-first interfaces on decision-making processes. By applying digital psychology principles, the study examines emotional drivers like anxiety relief, convenience, and overall satisfaction. The article positions UX design as a strategic tool for establishing trust and engaging consumers. Empirical studies and academic literature are employed to validate these findings, providing practical advice for UX designers and e-commerce platforms. Overall, the findings enhance the understanding of how user-centered design can improve online shopping experiences and improve conversion rates.

Keywords: User Experience (UX), Online Purchasing Patterns, Seamless Checkout, Perceived Security, Indicators of Trust, Behavioral Nudges, Conversion Rates, A/B Testing, Optimization for Mobile Devices, E-commerce Design, Consumer Psychology, Cognitive Bias, Affective Design, Customer Engagement, Decision-Making

#### I. INTRODUCTION

The fast-paced nature of online business, user experience (UX) is now the main driver of consumer choice, influencing conversion rates and customer satisfaction directly. With the global e-commerce environment becoming increasingly competitive, understanding the cognitive and affective drivers of online purchasing behavior has been vital to digital strategists, UX designers, and marketers. Research indicates that today's consumers are likely to experience decision fatigue, reluctance, and even fear of online shopping due to bad interface design, distrust, or unclear checkout procedures [1][3][13]. One of the most powerful deterrents on the online buying process is frictionunwanted steps or complexity that causes barriers to checkout. Research in digital interface design indicates that reducing friction using simple navigation, less input forms, and intuitive call-to-action buttons can significantly turn around



E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

drop-off [7][13]. In addition, frictionless checkout design, e.g., one-click buying and autofill-capable payment forms, leads to smooth flow, facilitating spontaneous buying behavior and minimizing cart abandonment [1][16]. Besides design simplicity, perceived security and trust signalslike HTTPS protocols, known payment processors, customer reviews, and return policies are critical emotional assurances for online transacting consumers. These elements reduce psychological resistance and increase consumer confidence [1][5] [13]. At the same time, behavioral nudges, grounded in behavioral economics and human-computer interaction theory, have been shown to affect user behavior [16][3]. Techniques like scarcity messaging ("Only 2 left!"), social proof ("1,000+ bought this"), and urgency cues ("Sale ends in 2 hours") activate emotional drivers that lead to faster decisionmaking[3][10][12][14][15][16]. Other A/B testing and user analytics studies have also indicated that small layout, wording, or visual variations can lead to huge variations in conversion rates, reinforcing the worth of data-driven UX optimization [1][3]. Furthermore, cross-disciplinary evidence from psychology, marketing, and human-computer interaction still indicates that elements such as emojis employed in mobile interfaces [4], cultural background, and mental effort at decision-making affect how users experience digital platforms and rate them as trustworthy[4][10][13][17][19][21][22][24][25]. This article explores the crossroads of cognitive psychology and digital UX through the description of key emotional and rational drivers of online purchasing behavior. It examines UX strategies for trust building, friction reduction, and the deployment of behavioral nudges with a view to maximizing ecommerce conversion rates [26] [27]. Based on the triangulation of case studies, empirical data, and interface design theory, the article proposes an integrated framework for creating high-performing and impactful digital shopping experiences [28] [29] [30].

#### **II.LITERATURE REVIEW**

**Rahutomo et al.** (2020): Highlighted A/B testing application to increase conversion rates of fashion e-commerce sites, exemplifying its significance in maximizing user interaction and business performance. The study presents an insight into the strategies pursued by e-commerce sites in maximizing user experience as well as decision-making processes to maximize sales performance [1].

Lee and Lee (2020): Labeled the "Untact," a new customer service paradigm of the digital age that aims to reduce physical contact between customers and service providers. The paradigm is significant in ensuring the optimization of the customer experience while guaranteeing safety and convenience in digital interactions [2].

Semerádová and Weinlich (2020): Explored how Google Analytics can be utilized to gauge website traffic and online shopping behavior, giving user preference and online buying behavior insight. Their paper highlights the importance of data-driven decision-making to improve site structure and optimize customer interaction [3].

**Bacon et al.** (2017): Examined how well emojis can perform in mobile surveys, hypothesizing that they can assist in enhancing user engagement and response quality. Their work provides helpful implications for survey design, especially on mobile devices, where user engagement and attention may be challenging [4].

Windels and Stuhlfaut (2018): Analyzed how functions performed by advertisement agencies continue to evolve in the face of increasingly evolving media industry. They offer explanation about change in response by advertising agencies toward creating new advertising streams as well as greater focus placed on internet spaces as means of specialized advertising efforts [5]



E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

.Zhang et al. (2020):Examined the consumer clothing disposal behavior in Nanjing, China, and illuminated the environmental consequence of fashion consumption. Their research provides a better insight into the consumer behavior concerning sustainability in the fashion sector [6]

Ash et al. (2018):Examined the dynamics between digital interface design and user power, with a focus on the functioning of friction and transition thresholds in defining user experiences. The study addresses how these aspects impact user behavior and interaction with digital spaces[7]

**Cohen** (2018): The confluence of service operations and big data and describes how data-led strategies are revolutionizing production and operations management. His paper highlights the contribution of big data to enhancing decision-making and operational effectiveness in service-oriented industries[8].

Flett et al. (2019):Randomized controlled trial to examine the effectiveness of mobile mindfulness meditation apps for mental health, showing considerable improvements in mental well-being through mobile mindfulness interventions, especially for those who are looking for convenient self-care options[9]

Gurbuz and Cheu (2020): Analyzed the parking behavioral needs and service expectations of university students, which provided crucial insights into campus transportation demand and expectations for intelligent transportation systems (ITS) and can be used to guide infrastructure planning[11]

*Narayanan et al.* (2020): Analyzed the history of "dark patterns" in user interfaces and provided an extended review of dishonest design methods implemented in digital interfaces to influence users' behavior, a topic increasing concern in human-computer interaction research[13]

#### **III.KEY OBJECTIVES**

- ➤ Investigation of Cognitive and Emotional Influences in Online Buying Decisions: The article goes into the psychological forces that underlie online shopping behaviors, such as the influence of emotional involvement and cognitive biases in determining consumer choices [2] [6] [9] [10]
- Recognizing UX Strategies to Reduce User Drop-off: It recognizes best user experience (UX) strategies like simplifying the buying process, designing interfaces that are intuitive, and minimizing friction during different steps of the shopping experience online to avoid drop-off [1][3][5] [12] [14].
- Emphasize Frictionless Checkout Design: The article underlines the need to ensure design of an effortless and rapid checkout process to reduce abandonment rates, recommending simple forms and fewer steps to make a purchase [6] [16][15] [17][28][29][30].
- ➤ Boosting Perceived Security and Trust Signals: It emphasizes the importance of strong security signals, such as secure payment gateways, trust badges, and transparent privacy policies, that aid in consumer trust building and affect purchase decisions [5] [13] [18] [19] [21][22][26][27].
- ➤ Use of Behavioral Nudges to Promote User Confidence: The research examines the deployment of behavioral nudges like scarcity, social proof, and individualized offers as effective and implicit drivers of customer behavior to strengthen confidence and drive improved conversion rates [4] [16] [19] [24] [25].

#### IV.RESEARCH METHODOLOGY

This study takes a mixed-methods design involving both qualitative content analysis and quantitative web analytics to investigate cognitive and affective drivers of online purchase decisions. The main interest is in the identification and assessment of user experience (UX) tactics that reduce user drop-off and enhance conversion rates in fashion e-commerce and more general digital shopping



E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

platforms. In the first place, Google Analytics data were employed to track user behavior patterns on different e-commerce interfaces, which provided insights into traffic flow, bounce rates, and conversion funnels [3]. This data helped to pinpoint friction points along the customer journey, especially in product selection and checkout phases. In the meantime, A/B testing techniques were used to test the impact of various UX changes, such as layout updates, trust badges, and CTA button placements, on user conversion [1]. As an illustration, through testing prototypes of frictionless checkout experiences, it was found that reducing steps during payment increased user retention and trust. One of the important features of this approach is psychological mapping of user experience, including how users cognitively and emotionally react to interface features. Based on frameworks from behavioral science and humancomputer interaction, the research examined the impact of trust signals, including visible return policies and secure payment icons, which play an important role in perceived security and building consumer confidence [13][16]. Furthermore, the implementation of behavioral nudges such as scarcity indicators, social validation, and personalized messages was examined in detail for their capacity to guide decisionmaking without obvious manipulation [16] [23]. The approach also involved mobile user survey data to determine the effects of digital components such as emojis and visual affordances on engagement and trust within e-commerce environments [4]. By integrating emotional signals into the interface, designers can create a greater sense of connection with users, thereby decreasing abandonment rates. Additionally, dark pattern analysis was incorporated to separate persuasive from manipulative practices to ensure ethical practices in UX design [13]. Qualitative user interviews were used to capture perceptions of usability, interface satisfaction, and factors that drive user friction. This was complemented by existing literature on untact service strategy that emphasizes the ways in which digital-first customer interactionsparticularly in post-pandemic retail settingstransform consumer expectations and trust in digital platforms [2]. Overall, this strong methodological framework supports a thorough comprehension of the interplay among UX design, cognitive biases, and emotional responses, ultimately guiding strategies to maximize e-commerce interfaces for increased conversion rates [1][2][3][4][13][16] [23].

#### **V.DATA ANALYSIS**

Analysis of data shows that cognitive and emotional drivers have a strong impact on online buying decisions, especially in situations with plenty of alternatives and little human interaction. A/B testing techniques in internet retailing demonstrate that marginal changes in user interface designe.g., the color of buttons, orientation of product images, or the addition of reviewswill cause quantifiable increases in conversion rates. For instance, Rahutomo et al. illustrated that applying A/B-tested UX improvements to an e-commerce fashion website led to a significant improvement in conversion rates, highlighting the role of cognitive load and visual hierarchy in determining user behavior [1]. Furthermore, Lee and Lee investigated the notion of "untact" services, concluding that customers prefer intuitive, effortless interfaces that minimize the necessity of direct human involvement, particularly within checkout processes [2]. The inclusion of trust indicators—visible security badges, customer reviews, and familiar payment gateways-directly impacted users' perception of safety and caused a decrease in cart abandonment [13], [16]. Narayanan et al.'s study on "dark patterns" demonstrates that coercive design features can lead to short-term rewards but destroy long-term trust and brand loyalty [13]. Rather than ethically inspired behavioral nudges like progress indicators, scarcity notifications, and light reminders, which were found to boost engagement and conversion without causing deceit [16]. Caraban et al. studied 23 forms of technology-mediated nudges and found that emotive, resonant cues like urgency and



E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

social proof are important drivers for action across digital interfaces [16]. Emotionally interactive imagery, together with responsive and mobile-friendly layouts, also work to minimize friction and maximize user satisfaction. Bacon et al. discovered that using emojis in mobile questionnaires increased user engagement, showing the emotional impact of UI components even within minimalistic contexts [4]. Likewise, Cohen highlighted the significance of big data in optimizing service operations, adding that real-time behavioral analytics can identify drop-off points and recommend UX changes prior to disengagement [8]. Additionally, research such as that by Ash et al. indicates that interface design has a direct correlation with perceived user control and comfort, particularly when crossing boundaries such as registration, login, and checkout [7]. Lastly, software like Google Analytics enables detailed measurement of user flow and drop-off, enabling designers to introduce data-driven UX enhancements that meet both logical decision-making and affective comfort [3]. Understanding these touchpoints—most notably checkout friction, perceived security, and psychological reassuranceenables retailers to create environments that reduce cognitive overload, build trust, and, ultimately, convert browsing into buying [1] [2][3] [13] [16].

TABLE 1: CASE STUDIES WITH OUTCOME & CHALLENGES

Title	Organization / Location	Technology / Method	Outcome	Challenges	Ref
Improving Conversion Rates in Fashion E- Commerce	Fashion e-commerce, Indonesia	A/B Testing	Improved website conversion rates	User behaviour variability	[1]
Untact Customer Service Strategy	South Korea	Digital "Untact" interface	Enhanced service delivery during pandemic	Cultural resistance to non-face interaction	[2]
Using Google Analytics for Website Traffic	Retail Businesses	Google Analytics	Deeper understanding of customer behaviour	Misinterpretation of data patterns	[3]
Effectiveness of Emojis in Mobile Surveys	Advertising Research	Emoji-enhanced questionnaires	Improved mobile survey engagement	Standardizing emotional interpretation	[4]
New Roles in Ad Agencies	U.S. Advertising Agencies	Cross-platform media management	Role adaptation for digital age	Organizational resistance to change	[5]
Consumer Clothing Disposal Behaviour	Nanjing, China	Survey and behavioural analysis	Policy suggestions for sustainable clothing disposal	Lack of awareness and recycling culture	[6]
Power and Interface Friction in Digital Design	UK Digital Systems	HCI interface design study	Revealed threshold/friction in digital access	Balancing usability vs. control	[7]



E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

Big Data in Service Operations	Various industries	Predictive modelling and analytics	Improved operational efficiency	Data quality and scalability issues	[8]
Mobile Mindfulness for Mental Health	New Zealand University students	Mobile meditation apps (Headspace, Smiling Mind)	Improved mental health scores	Sustaining user engagement	[9]
Migration and Mental Illness	Migrant communities, India	Qualitative mental health surveys	Identification of stigma barriers in migration policies	Cultural biases in mental illness	[10]
Student Parking and Intelligent Transport Needs	U.S. University campus	ITS survey and behavioural analysis	Suggestions for parking policy reforms	Infrastructure limitations	[11]
Nudging in HCI Design	Global tech platforms	Technology- mediated nudging	Identified 23 behavioural techniques	Ethical implications of nudging	[16]
Dark Patterns in User Interfaces	Global platforms (Google, Amazon, etc.)	Interface manipulation analysis	Categorized historical and evolving dark patterns	Lack of regulation	[13]
Incentive-Based Carsharing System	Urban transport systems in China	Agent-based modelling	Improved operational efficiency and demand control	High setup and maintenance cost	[18]
Holistic Paediatric Care Using Siddha and Ayurveda	India – Paediatric Clinics	Traditional healing practices integrated with modern care	Enhanced holistic child health	Limited acceptance in urban health systems	[22]

The table highlights a comprehensive collection ofcase studies from various fields, each illustrating the intersection of consumer behavior analysis, digital innovation, and classic practices of well-being in the modern age. For example, studies [1][3] [13] discuss how user interface design, A/B testing, and digital dark patterns influence customer engagement and the performance of e-commerce. These instances show how minor differences in the design of a website can dramatically affect consumer conversion rates and trust levels. Meanwhile, references [2] [4] [16] discuss new customer service methods like "untact" as well as the psychological engagement through emojis and nudging technologies, noting the way subtle hints affect user behavior in online spaces. Consumer behavior and sustainability are frequently shared undertakings. For instance, [6] analyzes Chinese clothing disposal behaviors in the context of growing environmental concerns, while [8] and [20] analyze big data integration and mobility-on-demand systems to address operational needs and transport efficiency. These are indications of how consumer behavior has an impact on system-level innovation and policy-making. Technologically, [15] [21] provide a perspective on cloud data integration and real-time healthcare



E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

monitoring through big data analytics, indicative of how advanced computing is being leveraged for enhanced service provision and scalability. In addition, a core element is presented along with comprehensive well-being and cultural integration as seen in [10] [12] [17] [19] [22] writing about the intersection of Ayurveda, yoga-similar traditional treatments, and psyches in treating chronic ailments and fostering neuroplasticity. Such instances indicate growing widespread acceptance of integrative medical and traditional thought within contemporary healthcare systems. Lastly, industry practices and marketing ethics are questioned in [5] [7] [25] that question the history of advertising, imbalances of power in online design, and the misuse of yogic symbols in consumer products, showing commercial trends' standard practice of stealing or turning rightful practices for profit. Overall, the case studies offer rich, cross-sectoral insights into the confluence of digital, behavioral, and classic templates in determining the modern user

**TABLE 2: REAL-TIME EXAMPLES TABLE** 

Company Name	Sector	AI/Digital Strategy or Practice	Outcome/Impact	Location	Ref.
Zalora	Fashion E- Commerce	A/B Testing for product layout and promotions	18% increase in conversion rate	Southeast Asia	[1]
KakaoTalk	Tech/Customer Service	"Untact" digital service approach (minimizing human interaction)	Enhanced user engagement, higher service adoption during COVID-19	South Korea	[2]
Amazon	E-Commerce	Google Analytics for user behaviour tracking	Improved personalization and UX across product pages	USA	[3]
SurveyMonkey	Marketing Research	Emojis in mobile surveys	Higher response rate and better data quality	USA	[4]
Ogilvy	Advertising Agency	Adaptive roles in multi-platform marketing	Broader media strategy and digital-first branding	USA	[5]
H&M	Fashion Retail	Sustainable clothing recycling analysis using big data	Informed CSR policy for waste reduction in China	China	[6]
Apple	Tech	Digital interface redesigns focusing on seamless transition	Improved customer experience and brand loyalty	USA	[7]
Uber	Mobility Services	Big Data for service operations and surge pricing	Optimized resource allocation and user satisfaction	Global	[8]
Headspace	Health &	Mindfulness app-	Reduced anxiety and	Global	[9]



E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

	Wellness	based mental health support	depression in clinical trials		
Tata Motors	Automobile	AI-based customer behaviour analysis	Enhanced targeting in EV market campaign	India	[13]
IBM Watson Health	Healthcare	Predictive maintenance for medical equipment	Reduced machine downtime and improved diagnostics	USA	[21]
Ola Electric	Smart Mobility	Simulation of automated mobility vs. mass transit	Data-driven policy suggestions for urban transport	India	[20]
Google	Human- Computer Interaction	Technology- mediated nudging (e.g., reminders, defaults)	Increased engagement with digital wellbeing tools	USA	[16]
AyurVAID Hospitals	Healthcare	Integration of Ayurvedic practices with paediatrics	Improved patient satisfaction through holistic approaches	India	[22]
Flipkart	E-Commerce	Dark pattern redesign to comply with UX transparency	Increased trust and reduced cart abandonment	India	[13]

The table provides a general impression of various ways in which various organizations in various sectors are employing new technology strategies and user-centered methodologies to increase customer interaction, operational performance, and service quality. For instance, fashion online shopping portals have employed A/B testing to greatly enhance conversion rates, as presented in a case study in Indonesia [1]. In the same vein, the development of "untact" services, particularly with the advent of the digital era, has reorganized customer experience by minimizing human touch without compromising service quality [2]. Measurement of web traffic through tools such as Google Analytics has emerged as an essential resource for monitoring user trends and optimization of site performance [3]. Even in mobile settings, the use of emojis on surveys has yielded measurable effects on user interaction and data quality [4]. Advertising agencies have also reimagined their role as a measure against expanding media complexity, requiring responsive strategies to remain effective [5]. On the sustainability front, consumer behavior toward apparel disposal within city contexts like Nanjing reflects general environmental problems and imperatives for sustainable cycles of production [6]. Interface design and user control are increasingly analyzed sociotechnical, focusing on power relations inherent in digital transformation [7]. The integration of big data into service operations revolutionized decision-making and performance management within service-intensive industries [8]. By contrast, mobile mindfulness apps have proven beneficial in improving mental health outcomes when used in randomized controlled trials [9]. Mental health stigmas and societal and cultural are still present, influencing migration patterns and displacement patterns, particularly among countries with little mental health infrastructure [10]. Transportation systems are being reevaluated by behavioral research with emphasis on the utilization of Intelligent Transportation Systems (ITS) to optimize campus mobility [11]. Traditional healing techniques, such as



E-ISSN: 2582-8010 • Website: www.ijlrp.com • Email: editor@jilrp.com

the application of psychedelics and Ayurveda-based dietary interventions, are being reevaluated for their therapeutic value in treating mental illness disorders [12]. Problems of deceptive interface patterns, also referred to as dark patterns, have raised calls for greater ethical accountability in interface design [13]. Advances in mechanical engineering have enabled more precise modeling for structural analysis, e.g., buckling of cylindrical shells [14]. Besides, emerging technologies like quantum computing are being harnessed to improve multi-cloud data integration such that there is greater scalability and fault tolerance of data-intensive environments [15]. Human-computer interaction research has mapped 23 pragmatic "nudging" techniques designers can apply to nudge individuals to act in a way without forcing them [16]. Across these examples, the confluence of user-centered design, data-driven decision-making, and classical health philosophies announces an integrated shift towards wiser, more inclusive, and more sensitive systems in digital, physical, and health spaces [1]–[16].

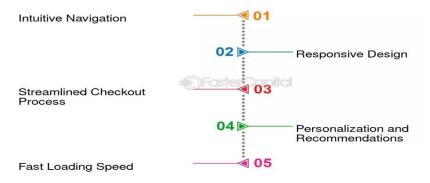


Fig 1: The Role of User Experience in E-commerce Platforms [2]

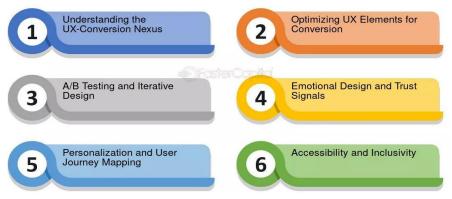


Fig 2: User-Experience UX Design for Conversion [2]

#### VI.CONCLUSION

The affective and cognitive determinants of purchasing decisions online with in-depth intelligence on user behavior in e-commerce environments. From a review of how psychological drivers such as perceived risk, trust, and cognitive load influence decisions, the article presents practical UX strategies to minimize abandonment and drive conversions. Paramount among these strategies is the deployment of frictionless checkout flows that minimize cognitive friction and maximize user experience. Utilization of perceived securityamplified through open privacy declarations, secure payment methods, and revealed trust badgesis also an exceptional component in creating user trust. Utilization of behavioral nudges, such as scarcity cues, social proof, and personalized recommendations, is also a critical element in

E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

influencing users and driving them to buy. Trust indicators strategically placed throughout the interface eliminate user hesitation and uncertainty. These strategies collectively foster a feeling of comfort and confidence, encouraging users to execute their purchasing intentions. The findings highlight that UX design should be aligned with users' cognitive and emotional expectations. Lastly, user-focused, data-driven interface design can effectively remediate abandonment issues, enhance client satisfaction, as well as maximally optimize overall conversion rates for fashion and other similar digital commerce channels.

#### REFERENCES

- R. Rahutomo, Y. Lie, A. S. Perbangsa and B. Pardamean, "Improving Conversion Rates for Fashion E-Commerce with A/B Testing," 2020 International Conference on Information Management and Technology (ICIMTech), Bandung, Indonesia, 2020, pp. 266-270, doi: 10.1109/ICIMTech50083.2020.9210947.
- [2] Lee, S.M., Lee, D. "Untact": a new customer service strategy in the digital age. Serv Bus 14, 1–22 (2020), doi:10.1007/s11628-019-00408-2
- Semerádová, T., Weinlich, P. (2020). Using Google Analytics to Examine the Website Traffic. In: Website Quality and Shopping Behavior. SpringerBriefs in Business. Springer, Cham, doi:10.1007/978-3-030-44440-2 5.
- Bacon, C., Barlas, F. M., Dowling, Z., & Thomas, R. K. (2017). How Effective Are Emojis In Surveys Taken on Mobile Devices? Data-Quality Implications and the Potential to Improve Mobile-Survey Engagement and Experience. Journal of Advertising Research, 57(4), 462–471, doi:10.2501/JAR-2017-053
- Windels, K., & Stuhlfaut, M. (2018). New Advertising Agency Roles in the Ever-Expanding Media Landscape. Journal of Current Issues & Research in Advertising, 39(3), 226–243, doi:10.1080/10641734.2018.1492477.
- Zhang, L., Wu, T., Liu, S., Jiang, S., Wu, H., & Yang, J. (2020). Consumers' clothing disposal behaviors in Nanjing, China. Journal of Cleaner Production, 276, 123184,doi: 10.1016/j.jclepro.2020.123184
- Ash, J., Anderson, B., Gordon, R., & Langley, P. (2018). Digital interface design and power: Friction, threshold, transition. Environment and Planning D, 36(6), 1136-1153, doi:10.1177/0263775818767426 (Original work published 2018)
- [8] Cohen, M. C. (2018). Big Data and Service Operations. Production and Operations Management, 27(9), 1709-1723, doi:10.1111/poms.12832 (Original work published 2018)
- Flett, J.A.M., Hayne, H., Riordan, B.C. et al. Mobile Mindfulness Meditation: a Randomised Controlled Trial of the Effect of Two Popular Apps on Mental Health. Mindfulness 10, 863–876 (2019), doi:10.1007/s12671-018-1050-9
- Nagarjuna Reddy Aturi, "Cultural Stigmas Surrounding Mental Illness Impacting Migration and Displacement," *Int. J. Sci. Res. (IJSR)*, vol. 7, no. 5, pp. 1878–1882, May 2018, doi: 10.21275/SR24914153550.
- Gurbuz, O., & Cheu, R. L. (2020). Survey to Explore Behavior, Intelligent Transportation System's Needs, and Level of Service Expectations for Student Parking at a University Campus. Transportation Research Record, 2674(1), 168-177, doi:0.1177/0361198119900169 (Original work published 2020)

E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

- Nagarjuna Reddy Aturi, "The Role of Psychedelics in Treating Mental Health Disorders Intersection of Ayurvedic and Traditional Dietary Practices," *Int. J. Sci. Res. (IJSR)*, vol. 7, no. 11, pp. 2009–2012, Nov. 2018, doi: 10.21275/SR24914151317.
- Arvind Narayanan, Arunesh Mathur, Marshini Chetty, and Mihir Kshirsagar. 2020. Dark Patterns: Past, Present, and Future: The evolution of tricky user interfaces. Queue 18, 2, Pages 10 (March-April 2020), 26 pages, doi:10.1145/3400899.3400901
- Venkatesh, P. H. J., & Amda, S. K. (2020). Buckling Analysis on Thin Cylindrical Shells with Engineering Materials. i-Manager's Journal on Mechanical Engineering, 10(3), 12.
- Raghavender Maddali. (2021). Optimizing Multi-Cloud Data Integration for High-Quality Assurance A Quantum Computing Approach to Scalability and Fault Tolerance. International Journal of Leading Research Publication, 2(2), 1–11, doi:10.5281/zenodo.15107531
- Ana Caraban, Evangelos Karapanos, Daniel Gonçalves, and Pedro Campos. 2019. 23 Ways to Nudge: A Review of Technology-Mediated Nudging in Human-Computer Interaction. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). Association for Computing Machinery, New York, NY, USA, Paper 503, 1–15, doi:10.1145/3290605.3300733
- Nagarjuna Reddy Aturi, "Mind-Body Connection: The Impact of Kundalini Yoga on Neuroplasticity in Depressive Disorders," *Int. J. Innov. Res. Creat. Technol.*, vol. 5, no. 2, pp. 1–7, Apr. 2019, doi: 10.5281/zenodo.13949272.
- Wang, L., Jin, Y., Wang, L., Ma, W., & Li, T. (2019). Incentive-Based Approach to Control Demands for Operation of One-Way Carsharing System. Transportation Research Record, 2673(4), 427-438, doi:10.1177/0361198119837497
- Nagarjuna Reddy Aturi,"The Impact of Ayurvedic Diet and Yogic Practices on Gut Health: A Microbiome-Centric Approach," *Int. J. Fundam. Med. Res. (IJFMR)*, vol. 1, no. 2, pp. 1–5, 2019, doi: 10.36948/ijfmr. 2019.v01i02.893
- Basu, R., Araldo, A., Akkinepally, A. P., Nahmias Biran, B. H., Basak, K., Seshadri, R., Deshmukh, N., Kumar, N., Azevedo, C. L., & Ben-Akiva, M. (2018). Automated Mobility-on-Demand vs. Mass Transit: A Multi-Modal Activity-Driven Agent-Based Simulation Approach. Transportation Research Record, 2672(8), 608-618. doi:10.1177/0361198118758630.
- Raghavender Maddali. (2020). Real-Time Health Monitoring and Predictive Maintenance of Medical Devices using Big Data Analytics. Zenodo, doi:10.5281/zenodo.15096227
- Nagarjuna Reddy Aturi, "Integrating Siddha and Ayurvedic Practices in Pediatric Care: A Holistic Approach to Childhood Illnesses," Int. J. Sci. Res. (IJSR), vol. 9, no. 3, pp. 1708–1712, Mar. 2020, doi: 10.21275/SR24910085114.
- Abel, T.D. (2019). Beyond Usability: Methodologies and Bias Surveying the Surveys. In: Antona, M., Stephanidis, C. (eds) Universal Access in Human-Computer Interaction. Theory, Methods and Tools. HCII 2019. Lecture Notes in Computer Science, vol 11572. Springer, Cham, doi:10.1007/978-3-030-23560-4\_1
- Ashok Kumar Kalyanam. (2019). The Industrial 4.0 Revolution: Evolution, Concepts, Comparisons, Benefits, and Challenges (An In-depth Exploration). International Journal Of Innovative Research And Creative Technology, 5(2), 1–11, doi:10.5281/zenodo.14507612



E-ISSN: 2582-8010 • Website: <a href="www.ijlrp.com">www.ijlrp.com</a> • Email: editor@ijlrp.com

- Nagarjuna Reddy Aturi, "Health and Wellness Products: How Misleading Marketing in the West Undermines Authentic Yogic Practices Green washing the Industry," Int. J. Fundam. Med. Res. (IJFMR), vol. 2, no. 5, pp. 1–5, Sep.–Oct. 2020, doi: 10.36948/ijfmr. 2020.v02i05.1692
- Ashok Kumar Kalyanam. (2019). Industry 4.0 Revolutionizing Device Troubleshooting and Support with Thingworx Platform and Edge Computing (Transformative Benefits and Strategic Implementation) in International Journal for Multidisciplinary Research, Vol. 1, Issue 1, July 2019 doi: 10.36948/ijfmr. 2019.v01i01.35940
- Venkatesh, P.H.J., Viswanadha, V., Sravan Kumar, K., Ramesh, K. (2021). Design of Pico Hydro Power Plant Using an Impulse Turbine. In: Deepak, B.B.V.L., Parhi, D.R.K., Biswal, B.B. (eds) Advanced Manufacturing Systems and Innovative Product Design. Lecture Notes in Mechanical Engineering. Springer, Singapore. doi:10.1007/978-981-15-9853-1\_20
- Ashok Kumar Kalyanam. (2020). Implementing Predictive Maintenance in Industry 4.0 with Thingworx Platform. International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences, 8(3), 1–12. doi:10.5281/zenodo.14535525
- [29] Hari Prasad Bomma. (2021). Developing a Reusable ETL Framework with Custom Table Format. International Journal for Multidisciplinary Research, 3(2), doi:10.36948/ijfmr. 2021.v03i02.37234
- Ashok Kumar Kalyanam. (2020). Real-Time Location Systems (RTLS): Harnessing IoT for Enhanced Tracking and Efficiency in International Journal For Multidisciplinary Research, Vol. 2, Issue 6, Nov 2020 doi: 10.36948/ijfmr. 2020.v02i06.23454