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Contemporary Challenges in Digital Service Experience and Customer Engagement

Dr. A.Suresh[1]

Assistant Professor, University Arts and Science College, Subedari, kakatiya University, Hanamkonda

Dr.G.Jaya[2]

Principal, TGTWRDC Women, Siricilla,

Abstract

In an era of rapid digital transformation, Indian service industries face significant challenges in managing customer experiences and sustaining customer engagement. With accelerated digital adoption caused by competitive pressures and customer expectations, service firms struggle to deliver personalized, seamless experiences across online and offline touchpoints. This paper investigates the impact of digital service experience on customer engagement within key service sectors in India including banking, healthcare, and hospitality. Primary data collected through customer surveys is analyzed to assess the relationship between digital service quality and customer engagement. Findings indicate that digital experience significantly influences customer loyalty, trust, and repeat usage. The study concludes with strategic recommendations for service managers to strengthen digital engagement and enhance customer satisfaction.

Keywords

Services Marketing, Digital Service Experience, Customer Engagement, Service Quality, India, Service Sector.

1. Introduction

Services marketing has evolved rapidly over the past decade, particularly in markets experiencing high digital adoption such as India. As customers increasingly interact with services through digital platforms — mobile apps, online portals, social media, and chatbots — service firms are compelled to rethink traditional marketing strategies. Unlike tangible goods, services involve inseparable production and consumption processes, higher variability, and greater reliance on customer participation. In India's heterogeneous service environment, delivering a superior digital service experience is now a competitive priority.

Research Objective:

The main objective of the paper is to examine how digital service experience influences customer engagement in India's service industries.

2. Review of Literature

2.1 Services Marketing and Customer Engagement

Services marketing literature emphasizes the role of service quality, relationship building, and customer satisfaction in driving loyalty (Zeithaml et al., 2018). Customer engagement extends beyond single transactions to include emotional and social involvement with the brand.

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2.2 Digital Service Experience

Digital service experience refers to customer perceptions formed during interactions with digital interfaces and platforms. Research suggests that ease of use, responsiveness, personalization, and reliability are critical determinants (Lemon &Verhoef, 2016; Kim et al., 2020).

2.3 Contemporary Issues in India

In India, service sectors like banking, healthcare, and hospitality have witnessed rapid digital adoption. However, issues like inconsistent service quality, digital divide across demographics, and lack of personalization pose challenges to customer engagement (Sharma &Sheth, 2020).

3. Research Methodology

3.1 Research Design

The study uses a **quantitative research method** with primary data collected through structured questionnaires.

3.2 Sample and Data Collection

A total of **300 respondents** who used digital service platforms in the past six months were surveyed across major Indian cities (Mumbai, Bangalore,Vijayawada and Hyderabad).

3.3 Measurement Scale

Variables measured include:

- **Digital Service Experience (DSE)**: ease of use, responsiveness, security.
- **Customer Engagement (CE)**: loyalty, satisfaction, repeat usage. Responses were recorded on a five-point Likert scale.

3.4 Data Analysis

The collected data was analyzed by using **correlation and regression analysis** to examine the impact of digital experience on customer engagement.

4. Findings and Results

4.1 Profile of Respondents

Table:1 Demographic Profile of the Respondents (Sample Size = 300)

Variable	Category	No. of Respondents	Percentage (%)
Gender	Male	165	55
	Female	135	45
Age Group	15–25 Years	30	10
	25- 35 Years	140	47
	35-45 Years	110	36
	45-55 Years	15	05
	55 Above	5	02
Service Sector Used	Banking	126	42
	Healthcare	90	30
	Hospitality	84	28
Total		**300**	**100**

Source: Primary data

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Theabove table 1shows that the majority of respondents are male (55%). Most respondents fall within the age group of 25–45 years, representing the active working population. With respect to service usage, banking services dominate (42%), followed health care 30% then hospitality 28% services , reflecting diverse service consumption patterns among respondents.

4.2 Digital Service Experience Scores

Digital service attributes scored as:

Table:2 Mean Scores of Digital Service Attributes

Digital Service Attribute	Mean Score (Out of 5)
Ease of Use	4.2
Responsiveness	3.8
Reliability	3.9
Personalization	3.5

Source: Primary Data

The above table2 presents the mean scores of key digital service attributes perceived by respondents. Among the attributes, **ease of use** received the highest mean score (4.2), indicating that customers find digital service platforms simple and user-friendly. **Reliability** scored 3.9, showing that customers generally trust the digital services provided.

Responsiveness obtained a mean score of 3.8, suggesting that service providers are reasonably efficient in addressing customer queries and providing support. However, **personalization** recorded the lowest mean score (3.5), indicating that digital service providers need to improve customized services and tailored customer experiences.

Overall, the results indicate that while digital services in India are convenient and reliable, there is a need for service organizations to enhance personalized service delivery to improve customer satisfaction and engagement.

4.3 Relationship Between Digital Service Experience and Customer Engagement

Table: 3 Relationship Between Digital Service Experience and Customer Engagement

Analysis Type	Independent Variable	Dependent Variable	Statistic Value	Significance Level
Correlation Analysis	Digital Service Experience	Customer Engagement	r = 0.76	p < 0.01
Regression Analysis	Digital Service Experience	Customer Engagement	β = 0.65	p < 0.01

Source: Primary Data

Optional interpretation (if you need it)

The table 3 exhibits a strong and positive correlation (r = 0.76) between digital service experience and customer engagement, which is statistically significant at the 1% level. The regression results further indicate that digital service experience significantly and positively predicts customer engagement (β = 0.65), confirming that improvements in digital service attributes lead to higher customer engagement levels.

5. Discussion

The analysis confirms that **digital service experience is a strong predictor of customer engagement** across Indian service sectors. Customers value easy-to-navigate interfaces, quick resolution, and secure

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transactions. However, personalization remains a weak point, suggesting service managers need to strengthen CRM and use analytics for tailored interactions.

5.1 Implications for Practice

1. **Invest in UI/UX Design:** Platforms must be intuitive and accessible across age groups.
2. **Enhance Responsiveness:** Real-time support via chatbots and AI assistants is critical.
3. **Focus on Security and Trust:** Especially in financial and healthcare services.
4. **Leverage Data Analytics:** Personalization through customer data can boost engagement.

6. Conclusion

The study highlights the importance of digital service experience in shaping customer engagement outcomes in the Indian service environment. Contemporary issues such as digital readiness, personalization gaps, and customer expectations need strategic attention. Service marketers must adopt customer-centric digital strategies that balance technology with human touch.

7. Limitations and Future Research

This study is limited by its cross-sectional design and urban sample bias. Future research can incorporate longitudinal studies and include rural populations to enhance generalizability.

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