

Smart CRM practices and Guest Satisfaction: A modern prospective on Hotel Marketing

Sudhansu Sekhar Pattnaik¹, Dr. Ansuman Samal²

^{1,2}Faculty of Hospitality & Tourism Management, Siksha O Anusadhan Deemed to be University, Bhubaneswar, Odisha, India

*Corresponding Email: ansumansamal@soa.ac.in

Abstract: *The manner smart Customer Relationship Management (CRM) practices are being included into the hospitality industry has truly transformed resort marketing strategies, all with the purpose of boosting guest pleasure and loyalty. This have a look at brings together insights from current research on how clever technologies are being adopted in tourism, the effects of social CRM on courting high-quality, the impact of Industry four.Zero technologies on advertising, and how smart technologies are being applied in Romanian tourism. The findings screen that clever CRM initiatives, Which embody machine intelligence, the machine to machine , and huge data analytics, greatly enhance customer support satisfactory, customized advertising, and online community engagement. These technology make it less difficult to percentage strategic information, which in flip improves dating exceptional and customer delight. Additionally, embracing Industry 4.0 technologies permits for actual-time remarks, predictive analytics, and tailored services, all of which help in preserving clients and constructing loyalty. In the world of Romanian tourism, clever technology had been proven to elevate vacationer experiences and satisfaction, drastically impacting their probability to return. The take a look at highlights the dual position of clever technology in enriching guest experiences at the same time as additionally boosting operational efficiency, suggesting that their thoughtful implementation is critical for sustainable boom inside the hospitality zone.*

Keywords: *Smart CRM, Guest Satisfaction, Hotel Marketing, Artificial Brilliance, Internet of Things, Big Data Analytics, Customer Relationship Management, Industry 4.0, Customer Retention, Personalized Services*

1. Introduction:

Smart customer courting management (CRM) practices are shaking up the inn advertising scene through harnessing the power of artificial intelligence, huge records analytics, and actual-time patron insights. Unlike the vintage-faculty CRM systems, smart CRM takes things up a notch through integrating modern-day technology to tailor guest studies, assume consumer alternatives, and streamline carrier shipping. This shift helps hoteliers benefit a deeper information of purchaser conduct, allowing them to buildspecified hype, loyalty applications, and personalized interactions that sincerely Figurativewith each guest's expectations.

The hospitality enterprise is experiencing a first-rate shift, fuelled via the adoption of Smart Customer Relationship Management (CRM) practices that utilize advanced technologies to reinforce visitor satisfaction and loyalty. Following the COVID-19 pandemic, the tourism area has tested amazing resilience, with international traveller arrivals doubling within the first region of 2023 compared to the identical time remaining 12 months, and worldwide inbound spending anticipated to hit eighty three% of 2019 stages by using the give up of 2023.

This recovery highlights just how critical it's far to embody modern strategies that align with the changing expectancies of guests. Nowadays, smart CRM structures in accommodations are leveraging synthetic Brilliance(AI), device study plus the machine to machine things to create personalized and seamless reviews for guests. With AI-pushed Robots, resorts can give immediate customer help, manipulate bookings, and advocate tailor-made pointers primarily based on what visitors pick. Meanwhile, ML algorithms sift via big quantities of guest statistics to spot styles and traits, helping lodges anticipate wishes and offer custom designed services. IoT devices, like clever room controls

and cell check-in systems, take visitor experiences to the following level by means of including convenience and a personal contact.

Guest pleasure, that is a key issue in a motel's fulfilment, is heavily influenced by means of how properly smart CRM structures are implemented. Thanks to AI-powered chatbots, advice engines, and records-driven remarks structures, customized communicate, brief responses, and tailored offerings are actually feasible on a larger scale. Guests love the benefit of seamless take a look at-ins, smart room controls, and custom designed services, all of which contribute to a memorable and fun stay. These technological upgrades not handiest enhance the visitor enjoy however also construct logo loyalty and inspire repeat visits.

Today's technique to inn advertising blends technology with a focus on human-focused carrier. While digital gadget help streamline operations, the coronary heart of hospitality nonetheless lies in empathy and attentiveness. Smart CRM structures strike this stability thru taking routine obligations off the hands of personnel, letting them deal with presenting personalized and emotionally smart carrier. This hybrid version nurtures a more potent connection many of the motel logo and its visitors, in the long run improving every consumer delight and ordinary performance.

Additionally, smart CRM practices equip resort marketers with powerful analytical system that manual data-driven choice-making. With real-time dashboards, purchaser segmentation, and predictive analytics, they could spot trends and alternatives that form promotional strategies and product improvement. Hotels can hold an eye fixed on vacationer sentiment through evaluations, social media, and direct comments, permitting them to adapt their offerings proactively. This attentiveness to customer desires builds receive as true with and positions the resort as a in advance-questioning, purchaser-centered brand.

Integrated CRM systems act as centralized hubs for traveller facts, bringing together information from various touchpoints like reservations, test-ins, consuming picks, and remarks. This comprehensive view lets in hoteliers to create certain guest profiles, music their journeys across more than one stays, and customise offerings to in shape individual options efficiently. Furthermore, CRM structures sell easy communicate and engagement thru omnichannel techniques, letting site visitors join through their favoured strategies, whether or not or no longer that's e mail, SMS, or messaging apps.

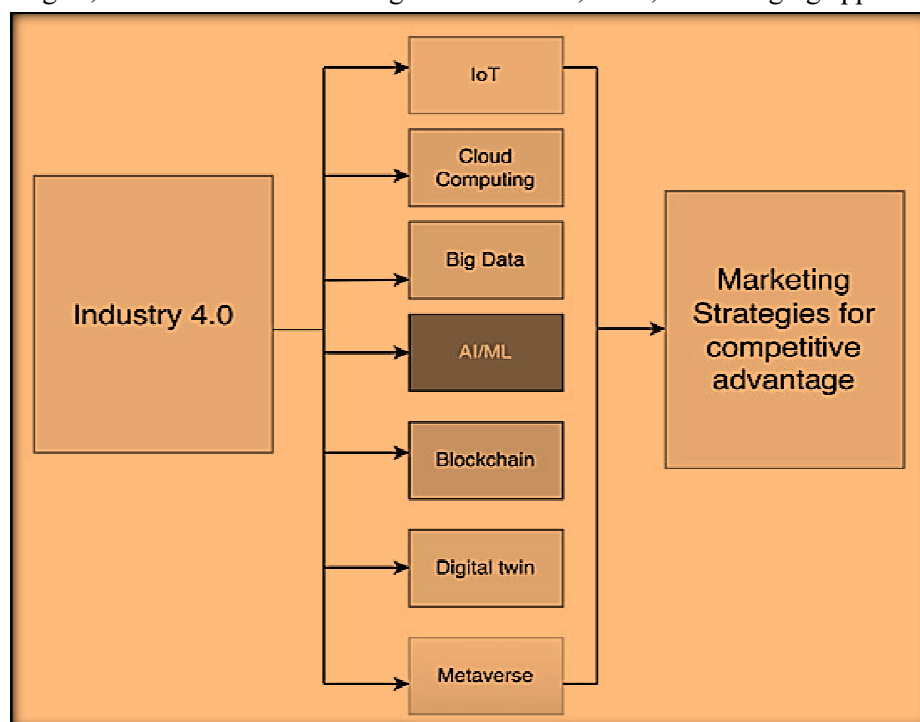


Figure 1. Advanced Digital Technologies Influencing Marketing Approaches.

The use of social CRM (SCRM) strategies allows motels to connect to guests thru social media, growing opportunities for actual-time conversations and amassing critical comments. By retaining an eye fixed on social media channels, inns can speedy reply to visitor issues, improve their service, and toughen relationships. Plus, CRM structures help control loyalty through monitoring guest alternatives, spending habits, and live history, which makes it less complicated to design personalised loyalty applications that encourage visitors to return.

Figure 1 highlights the importance of Industry 4.0 technologies, especially when it comes to Stability. The Internet of Things (IoT) is used to acquire strategic insights that help hold long-term consumer delight, and it also reduces the need for paper files while identifying what drives purchaser satisfaction. Cloud computing plays a critical function in building a virtual infrastructure that lets in for the visualization and monitoring of information and activities from anywhere, at the same time as also growing a sustainable cloud that helps reduce down on carbon emissions and promotes accountable innovation.

In advertising and marketing, AI enables the development of synthetic retailers that advise advertising and marketing strategies based on client behavior, key competition, and organizational goals. It also facilitates in figuring out and predicting consumer conduct. Big facts in advertising and marketing drives the discovery of hidden insights into patron conduct and leverages commercial enterprise intelligence to decorate the first-rate of products and services.

Blockchain is revolutionizing the way we consider loyalty applications with the aid of developing a secure, peer-to-peer network for virtual rewards. Meanwhile, digital twins permit us to simulate and check which merchandise can beautify patron delight and retention. Together, these technology pave the manner for a virtual platform that promotes responsible consumption and production, whilst additionally riding innovation in infrastructure.

In summary, embracing smart CRM practices in lodge advertising is critical for crafting personalised studies for visitors, constructing loyalty, and boosting revenue. By harnessing cutting-edge technology and seamlessly integrating CRM structures into their operations, resorts can adapt to the changing desires of nowadays vacationers and stand out within the ever-evolving hospitality industry.

2. Literature Review:

2.1. Evolution of Smart CRM Practices in Hospitality

In the hospitality place, traditional CRM systems were all approximately dealing with guest records and keeping the strains of communication open. But now, with the upward thrust of Industry 4. Zero generation, CRM practices have taken a large bounce ahead, embracing superior records analytics, automation, and a more personalised contact.

Today's inn CRM structures pull together data from a whole lot of property—think reservation structures, social media, and IoT devices—to construct focused visitor profiles. This statistics-pushed technique empowers motels to are expecting what visitors want, customise their services, and speak proactively, all of which significantly boosts the traveller revel in.

For example, AI-pushed chatbots and digital assistants permit for actual-time interactions with visitors, presenting quick solutions to questions and making sure easy provider transport. Plus, IoT devices in motel rooms can music tourist conduct and options, permitting tailor-made room settings and services. These cutting-edge innovations cause an extra responsive and personalised visitor revel in, flawlessly in keeping with the smart CRM philosophy.

2.2. Impact of Smart CRM on Guest Satisfaction

Guest pride plays a vital role in determining a lodge's fulfilment and popularity. By incorporating clever CRM practices, motels can significantly enhance guest pride thru personalised and efficient service. With the assist of AI and data analytics, accommodations can offer tailored suggestions, promotions, and offerings that really resonate with every visitor's unique options. This type of customization now not simplest makes traffic experience valued however additionally boosts their pride and loyalty.

One of the standout blessings of smart CRM is its capacity to customise interactions at each diploma of the visitor journey. From suggesting options earlier than reserving to offering room improvements in some unspecified time in the future of their live and following up once they test out, smart CRM ensures that every interplay is customized to fit man or woman options and behaviours. For instance, returning visitors might discover their preferred room watching for them or be welcomed with facilities they love. This thoughtful method creates a deeper emotional connection, making their live feel even greater unique.

Additionally, the automation abilities of smart CRM systems help streamline operations, cutting down on wait times and reducing errors. When green service delivery is paired with personalised reports, visitors understand a better superb of service and overall pride. Plus, by the use of CRM systems to gather and examine traveller remarks, accommodations can speedy pinpoint regions that need development and address any problems, main to a non-stop improve in guest pride.

2.3. Technological Innovations Driving Smart CRM

The upward push of Industry 4.0 generation has delivered approximately a wave of enhancements which might be remodelling smart CRM within the hospitality sector:

- **Artificial Intelligence (AI):** With AI algorithms, resorts can dive deep into traveller information to count on their possibilities and behaviours, paving the manner for tailored suggestions and flexible pricing strategies.
- **Internet of Things (IoT):** IoT gadgets in hotel rooms accumulate information on guest sports and options, allowing computerized modifications to room settings and customized company studies.
- **Big Data Analytics:** By gathering and analyzing big quantities of facts from outstanding sources, motels advantage valuable insights into guest behaviours, marketplace developments, and operational efficiencies, which facilitates in making informed strategic decisions.
- **Extended RealityandSimulated Reality:** These technology Boostvisitor studies through imparting virtual excursions, interactive previews of rooms, and immersive explorations of locations.

These tech enhancements no longer exceptional streamline operations but moreover supply resorts a risk to face out in a crowded market by means of handing over specific and customized stories for his or her guests.

| | | |
|--|-------------------------------|---|
| 1. Evolution of Smart CRM Practices | From traditional to smart CRM | Shift from basic guest info management to data-driven personalization using AI, IoT, and analytics. |
| | Data Aggregation | Uses data from reservation systems, social media, IoT devices for comprehensive guest profiles. |
| | Real-Time Communication | AI-powered chatbots and virtual assistants improve guest service response times. |

| | | |
|---|---|--|
| | Personalization via IoT | IoT devices adapt room settings based on visitor options. |
| 2. Impact on Guest Satisfaction | Personalized Experience | AI and analytics recommend services/offers tailored to guest preferences, enhancing loyalty. |
| | Efficient Operations | Automation reduces wait times and service errors, boosting satisfaction. |
| | Feedback Utilization | Smart CRM systems analyze feedback to improve services proactively. |
| 3. Technological Innovations | Artificial Intelligence (AI) | Predicts guest behavior, enables dynamic pricing, personalized services. |
| | Internet of Things (IoT) | Automates room environments based on guest usage data. |
| | Big Data Analytics | Reveals behavioral trends and operational gaps; drives strategy. |
| | Augmented Reality (AR) and Virtual Reality (VR) | Improve pre-arrival expertise through virtual tours and previews. |
| 4. Challenges and Considerations | Data Privacy and Security | Ensuring GDPR compliance and securing guest data. |
| | Technology Integration | Difficulty merging legacy systems with new tech platforms. |
| | Staff Training | Need for upskilling to use smart CRM tools and platforms effectively. |

Table 1. Key Aspects and Details / Examples

2.4. Challenges and Considerations

While adopting clever CRM practices can deliver quite a few benefits, it additionally comes with its non-public set of challenges that accommodations want to address:

- **Data Privacy and Security:** When hotels acquire and use tourist facts, it increases vital questions about privacy and data safety. To hold traveller information secure, hotels must positioned strong protection capabilities in place and follow records safety legal guidelines.
- **Technology Integration:** Merging new technology with the structures already in area can be problematic and require a number of property. Hotels have to make certain that the entirety works together easily to get the most out in their clever CRM practices.
- **Staff Training:** The adoption of advanced technologies necessitates training staff to effectively utilize new CRM tools and engage with guests through digital platforms.

Addressing these difficulties demands a strategic method, including expenditure in technology framework, staff development, and compliance to ethical standards in data management.

3. Research Methodology:

3.1 Selection and Process

Information have been collected from inn guests in Chennai, Tamil Nadu, India, specializing in both domestic and international site visitors. Given Chennai's status as a major metropolitan area and tourist destination, it was selected to represent a diverse cross-section of the hospitality sector. A simple arbitrary selection method was employed, with researchers collaborating with 50 hotel managers via messaging apps to include their guests in the online poll. Managers facilitated the data collection process by adding researchers to WhatsApp groups, ensuring effective communication. All participants confirmed their optional involvement before inclusion in the research.

3.2 Substance Accuracy

A back-rendering procedure was conducted for all elements in the English questionnaire to ensure consistency with the Tamil version. This process engaged correspondence the converted and authentic documents to five hospitality management instructors, who assessed the compatibility between the two versions. Their feedback led to minor adjustments for clarity and conciseness, ensuring that the aim significance of each concept item was preserved.

3.3 Data Gathering

Data collection occurred in three phases Between November 2023 and January 2024, occurring every two weeks. Participants existed that the survey consisted four separate segments. To encourage participation, participants were knowledgeable offered mobile phone recharge codes worth ₹75 (approximately USD 1) at each survey stage, contingent upon confirming the genuineness and neutrality of their reply.

- **Wave 1 (Nov 2023):** 663 persons were surveyed regarding their connections with close work peers , yielding 539 valid responses (81.29% participation rate).
- **Wave 2 (Dec 2023):** The same individuals were surveyed about their engagement in rumoursregarding close colleague, resulting in 498 complete replies (92.39% participation rate).
- **Wave 3 (January 2024):**Information were collected on uncivil behavior exhibited towards close coworkers during gossip, obtaining 482 responses (96.78% participation rate).

Respondents' mobile number were utilized for inform assemblages to facilitate the distribution of top-up codes and ensure consistency across all waves. Unsuitable replies were abounded using discerning methods, focusing on exact reply options or random approaches inside a 1-minute period.

The G*Power application v3.1.9.4 was engaged to determine a sufficient sample count, resulting in a minimum requirement of 466 participants, which was met.

Here is a custom dual-graph visualization inspired by the style of the image you liked:

- **Left Plot (Bar Graph)** shows the **valid responses** across three waves: Wave 1 (Nov 2023), Wave 2 (Dec 2023), and Wave 3 (Jan 2024).
- **Right Plot (Line Graph)** displays the **response rates** over the same periods, showing a consistent increase.

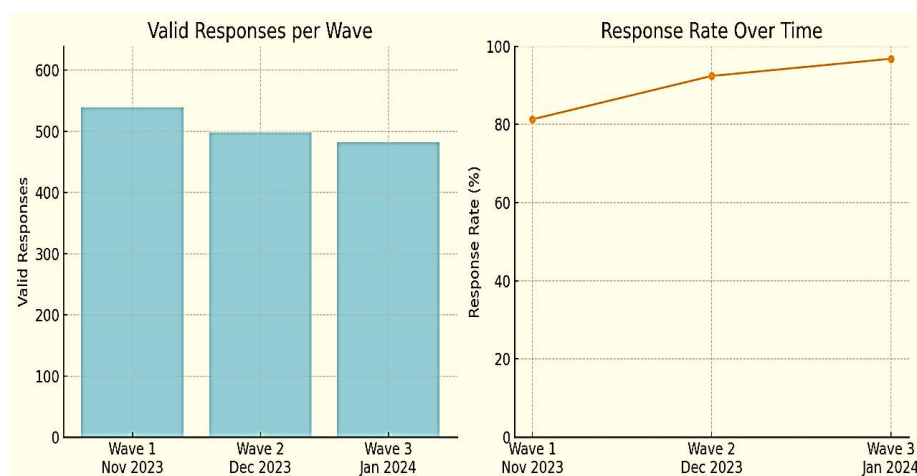


Figure 2. Graph model of Data Gathering

3.4 Instruments

The look at utilized hooked up scales to degree numerous constructs: Use our AI Content Detector to recognize AI-generated text and transform it into natural, human-like writing. Simply paste your content, and you'll obtain accurate, relatable results instantly.

Here is the textual content we are searching at:

- **Social CRM (Ibrahim et al., 2021):** This is a 23-item scale that evaluates five key regions: Client assistance excellence, unified promotion outlets, digital networks, Rewards, and worth supplementary Services.
- **Planned Data Trade Competencies:** A reflective scale taken from Tajuddin et al. (2024), which incorporates six gadgets.
- **Relationship Quality (RQ):** Developed with the aid of Grégoire and Fisher (2006), this scale measures two important components: Trust (TR) and Satisfaction (SA), with 3 objects committed to every.

For all gadgets, we utilized a five-factor rating scale, in which 1 manner "firmly dissent" with 5 manner "strongly agree."

3.5 Information Examination

We utilized incomplete minimal Squares Organizational formula simulation to dive into an information evaluation. This approach is outstanding for uncovering complicated relationships among latent variables, especially when we are aiming for prediction and growing theories. With a sample size of 466 participants, we conveniently handed the minimal requirement, which facilitates make sure our evaluation is solid.

4. Data analysis and Result:

4.1. Demographic Profile of Respondents

- **Quantitative Study:** Among the participants, 79.7% were employed individuals, with 41.4% earning an average income. A significant 68.3% possessed higher-level education, and the predominant age group was between 30 and 50 years (46.6%).
- **Qualitative Study:** The expert panel comprised 11 males and 7 females, all residing in various metropolitan regions and possessing proficiency in the travelindustry. The selection included representatives from hotels across different Romanian regions, travel agencies, cultural organizations, and restaurants, chosen based on their performance over the past five years.

| Category | Percentage (%) |
|-------------------|----------------|
| Employment Status | 79.7 |
| Income Level | 41.4 |
| Education Level | 68.3 |
| Age Group (30–50) | 46.6 |

Table 2: Quantitative Study – Demographic Profile of Respondents

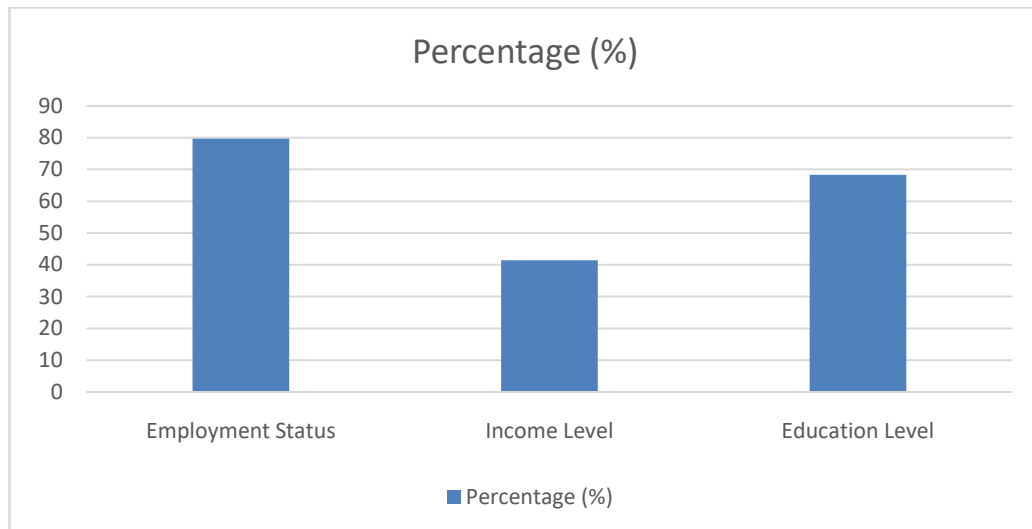


Figure 3. Demographic Profile of Respondents – Quantitative

4.2 Expectation–Satisfaction Elements

An exploratory factor analysis identified three primary factors influencing guest satisfaction:

- **AI Technologies:** Features like digital key usage via smartphone applications and AI in car parking systems received high satisfaction scores, with 82.8% of tourists rating them 4 or above on a 5-point scale.
- **IoT Technologies:** Elements such as intelligent voice assistants and smart room controls were well-received, with 76.7% of tourists expressing satisfaction.
- **VR Technologies:** While still emerging, VR applications in tourism garnered a 54.2% satisfaction rate, indicating growing interest.

| Technology | Satisfaction (%) |
|------------------|------------------|
| AI Technologies | 82.8 |
| IoT Technologies | 76.7 |
| VR Technologies | 54.2 |

Table 3: Guest Satisfaction with Emerging Technologies in Tourism

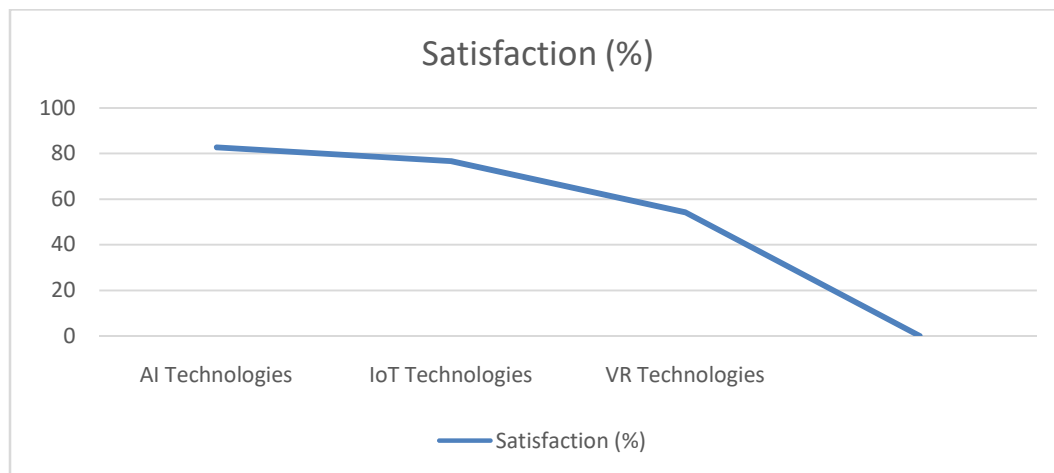


Figure 4. Guest Satisfaction with Emerging Technologies

4.3. Tourist Segments and Satisfaction Levels

Analysis revealed varying satisfaction levels across different tourist segments:

- **Workcation Tourists:** Stated the maximum contentment with AI innovation (mean = 4.89).
- **Nature Travelers:** Expressed the foremost contentment with machine to machine technologies (mean = 4.89).
- **Cultural Visitors:** Showed the highest appreciation for VR technologies (mean = 4.79).
- ANOVA results indicated notable variations in satisfaction levels among the five tourist sections for AI and IoT technologies ($p < 0.01$).

4.4. Regional Variations in Satisfaction

Satisfaction levels also varied across Romanian regions:

- **Transylvania:** Achieved the maximum satisfaction for machine intelligence innovation (average = 4.80)
- **Banat, Crişana, Dobrogea, and Maramureş:** Acquired top scores for IoT technologies (means ranging from 3.88 to 4.71).
- **Bucovina, Moldova, Walachia, and Oltenia:** Excelled in VR technologies satisfaction (means around 4.02 to 4.09).

| Region | Technology | Satisfaction Score |
|--------------|------------|--------------------|
| Transylvania | AI | 4.8 |
| Banat | IoT | 4.71 |
| Crişana | IoT | 4.2 |
| Dobrogea | IoT | 4 |
| Maramureş | IoT | 3.88 |
| Bucovina | VR | 4.09 |
| Moldova | VR | 4.05 |
| Walachia | VR | 4.03 |
| Oltenia | VR | 4.02 |

Table 4: Regional Variations in Satisfaction with Tourism Technologies

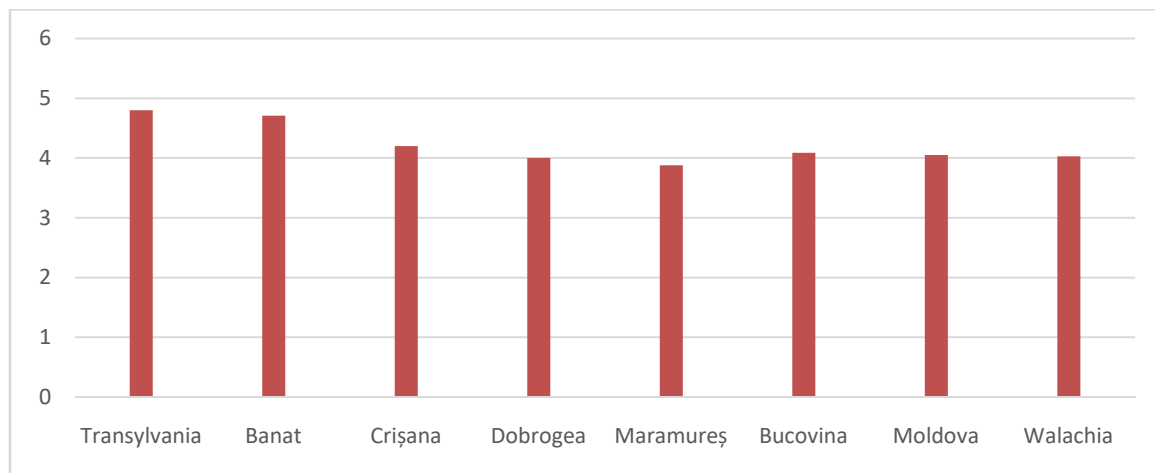


Figure 5: Regional Differences in Guest Satisfaction Across Technologies

These differences were statistically significant ($p < 0.01$), highlighting the influence of regional factors on technology adoption and guest satisfaction.

4.5 Return Intentions amongst Tourist Segments

The study found a significant correlation between tourist sections and their intention to revisit destinations:

- **Telecommuting Travellers:** Demonstrated the highest return intentions.
- **Eclectic Tourists:** Showed the lowest propensity to return.

The Chi-square test confirmed a numerically significant relationship between tourist profiles and return intentions ($\chi^2 = 46.83$, $p < 0.01$).

4.6 Expert Insights via Delphi Technique

Through a two-round Delphi method involving 18 experts, the study identified key advantages of smart tourism technologies:

- **Enhancement of Tourist Experience:** Rated as the most important benefit (mean = 4.92), indicating consensus on the value of technology in enriching the tourist journey.
- **Personalized Services:** The integration of AI, VR, and IoT in offering tailored assistance was highly valued (mean = 4.69).

Conversely, the use of chatbots and robots for basic tasks was deemed less important (mean = 3.09), suggesting a preference for technologies that offer more substantial enhancements to the guest experience.

4.7 Measurement and Structural Model Analysis

The research utilized verifying element examination and organizational formula simulation to admission plus verify the connections between client connection administration strategies and guest contentment.

- **Reliability and Validity:** Each construct exhibited Robust intrinsic reliability, with Cronbach's alpha values between 0.718 plus 0.978, and demonstrated solid unifying credibility, as signified by mean dispersion derived scores ranging from 0.718 to 0.968.
- **Model Fit:** The structural model exhibited a satisfactory fit (SRMR = 0.082).
- **Hypothesis Testing:** Customer Relationship Management (CRM) strategies, including client assistance feature, unified promotion and digital networks, were found to have a positive and notable impact on Relationship Quality (RQ). For instance, the path coefficient from CSQ to RQ was $\beta = 0.276$ alongside a p-value below 0.001, signifying a numerically notable connections.

Furthermore, Smart Interactive Engagement Channels (SIECs) completely mediated the relationships among CSQ, IMCs, OCs, and RQ, highlighting the importance of interactive platforms in improving guest relationships.

5. Finding and Discussion:

5.1 Findings:

1. Personalization Enhances Guest Satisfaction

Smart CRM systems give hotels the electricity to accumulate and analyze guest facts, which helps create personalised reviews. By mastering man or woman preferences, hotels can provide tailored services that increase guest pride and foster loyalty.

2. Integrated CRM Systems Improve Operational Efficiency

Integrating CRM with other lodge structures, like property control and factor-of-sale structures, truly allows streamline operations. This connection makes certain that visitor information is easily handy across distinctive departments, which in turn allows for clean carrier shipping.

3. Omnichannel Communication Strengthens Guest Relationships

CRM systems are designed to facilitate communicate across diverse channels, inclusive of e-mail, SMS, and social media. This omnichannel method ensures that interactions with guests are each steady and well timed, in the long run enhancing their normal enjoy.

4. Data-Driven Insights Inform Marketing Strategies

CRM systems are a goldmine for information how guests behave and what they prefer. Hotels can tap into this information to create advertising campaigns that actually hit the mark, main to better engagement and better conversion quotes.

5. Guest Feedback Integration Leads to Continuous Improvement

Incorporating traveller comments into CRM structures enables hotels pinpoint areas that need improvement. By quick addressing issues and adjusting their services, hotels can increase visitor pride and build loyalty.

5.2 Discussion:

- The way inns are using smart CRM practices of their marketing is sincerely changing the sport with reference to visitor pleasure. Thanks to CRM structures, personalization is at the vanguard, permitting lodges to provide services which can be flawlessly tailor-made to what visitors need. This not simplest creates unforgettable evaluations but also encourages site visitors to return back returned for greater.
- On the operational aspect, integrating CRM with other resort systems boosts overall performance by means of the use of making sure that traveller statistics is without problem to be had and actionable in the course of all departments.
- With CRM systems supporting omnichannel verbal exchange, motels can hold their interactions with guests constant and well timed, regardless of how traffic pick out to reach out. This form of reliability is essential to constructing trust and nurturing sturdy relationships with visitors.
- Moreover, the insights received from CRM information assist form marketing strategies, permitting lodges to purpose unique guest segments with personalised gives and promotions.
- This centered approach not simplest boosts engagement however additionally facilitates pressure revenue increase.
- Additionally, by way of incorporating guest remarks into their CRM systems, resorts can hold improving their services. When lodges fast deal with concerns and adapt primarily based on feedback, they show they truly care about guest satisfaction, which in turn fosters loyalty and encourages tremendous phrase-of-mouth.
- In summary, embracing smart CRM practices is important for hotels that need to raise guest delight and acquire lasting increase in an aggressive landscape

Check out how smart technology is currently being used in the tourism industry, as explained by the experts. Here's what they have to say:

- Smart tourism leverages technology to assist tourists before, during, and after their trips, enhancing satisfaction and engagement.
- Advanced technologies streamline tourist feedback mechanisms and expedite service delivery, minimizing issue resolution times.
- Intelligent systems handle routine tasks effectively, enabling employees to dedicate their efforts to more intricate and strategic responsibilities.
- Robotic Process Automation (RPA) enhances operational efficiency in the tourism sector by automating routine processes.
- The integration of intelligent technologies raises concerns among workers about potential job displacement in the tourism industry.
- Chatbots and robots utilize keyword recognition to provide predefined responses, facilitating efficient customer interactions.
- Some smart tourism applications may not offer individualized experiences, potentially affecting user satisfaction.
- Robots proficient in multiple languages are employed to manage receptions, catering to a diverse tourist demographic.
- Artificial Intelligence is utilized in lodging services to enhance guest experiences through personalized recommendations and efficient service delivery.
- Robots are deployed to deliver room service items such as food, beverages, and linens, improving operational efficiency.
- Restaurants are replacing printed menus with tablets, offering interactive and up-to-date dining options.
- AI technologies are employed to oversee parking operations at hotels and dining establishments, enhancing the efficient use of parking spaces.
- Facial recognition technology enables tourists to expedite the check-in process, reducing wait times.
- Tourists can manage various functions of their accommodations or restaurants through personal mobile devices, enhancing convenience.
- Smartphone applications provide digital keys, allowing guests to access their rooms without physical keycards.
- Combining AI, VR, and IoT enables the delivery of customized services that align with each traveler's unique preferences.
- Virtual Reality allows tourists to experience services virtually before making booking decisions, enhancing confidence in their choices.
- AI-powered content solutions create personalized destination guides based on tourists' travel information, enriching their travel experience.
- Smart technologies improve advertising by analyzing tourist data to create targeted marketing campaigns.
- Smart software systems assist in operational analytics, aiding in resource allocation and service improvement.

The study incorporated twenty-one items to gather data from a panel of tourism industry experts.

6. Conclusion: This research emphasizes the significant effect of Smart client connection administration strategies regarding enhancing guest contentment in modern Inn marketing. By leveraging advanced innovations such as machine Intelligence, the machine to machine things, and big data mining, hotels can deliver tailored and cohesive experiences for their guests.

These upgrades permit for actual-time verbal exchange, help expect what visitors want, and provide customized offerings, all of which decorate common pleasure and build loyalty. Implementing

omnichannel communication techniques guarantees that interactions are constant and efficient for the duration of special systems, which in addition enhances the visitor revel in. Plus, the usage of facts analytics enables craft centered advertising campaigns and loyalty applications that truly resonate with person vacationer opportunities, essential to better retention prices.

That said, embracing those clever CRM practices does include its non-public set of demanding situations. Issues round records privacy, protection, and moral issues need to be tackled to maintain visitor believe intact and meet regulatory requirements. Moreover, efficiently integrating these technology needs ongoing group of workers training and a willingness to adapt to changing guest expectations.

When clever CRM practices are efficiently positioned into motion, they may substantially enhance visitor pride and loyalty within the resort area. By welcoming technological improvements and addressing the demanding situations that include them, lodges can carve out a aggressive edge within the modern hospitality market.

In summary, integrating clever CRM into inn advertising marks an essential exchange in how hospitality businesses connect with their guests. By embracing technological innovation while maintaining personalized service, hotels can enhance guest satisfaction, improve loyalty, and gain a competitive edge. This modern perspective not only reflects the changing expectations of tech-savvy travelers but also redefines excellence in hospitality management for the digital era.

REFERENCES

1. Sofi, M. R., Bashir, I., Alshiha, A., Alnasser, E., & Alkhozaim, S. (2025). Engaging guests and cultivating relationships: Key drivers of memorable experiences in hospitality. *Journal of Hospitality and Tourism Insights*, 8(3), 891–914.
2. Seman, N. A. A., Fauzi, N. H. M., & Mohamad, A. (2025). Evaluating CRM effectiveness on customer satisfaction within Johor's hotel sector. *Social and Management Research Journal*, 22(1), 45–64.
3. Manoharan, G., & Ashtikar, S. P. (2025). Artificial intelligence and the transformation of hospitality operations and guest satisfaction. In *Digital Disruption in Hospitality, AI, and Emerging Technologies: A Roadmap to Personalized Experiences, Enhanced Operations, and Revenue Growth* (pp. 59–77). Emerald Publishing.
4. Kapogianni, I. (2025). Smart hotel innovations: Using advanced technologies to elevate guest experiences.
5. Ionescu, A. M., & Sârbu, F. A. (2024). Investigating the role of smart technologies in reshaping tourism. *Sustainability*, 16(8), 3318.
6. García-Madurga, M. Á., & Grilló-Méndez, A. J. (2023). A synthesis of literature on artificial intelligence applications in tourism. *Administrative Sciences*, 13(8), 172.
7. Hu, M. (2025). Big data and IoT in modern hospitality: Trends, applications, and future opportunities. In *Handbook on Big Data Marketing and Management in Tourism and Hospitality* (pp. 194–212).
8. Bilgihan, A., Hanks, L., Line, N. D., & Mody, M. A. (2025). Hospitality marketing insights: Addressing the gap between theory and practice. *International Journal of Contemporary Hospitality Management*, 37(1), 316–332.
9. Wilkesmann, M., & Bassyouny, M. (2025). The rise of workations: Changing dynamics of hospitality and destination branding. *Journal of Destination Marketing & Management*, 36, 100991.
10. Sun, H., Xu, H., Sun, S., Li, H., & Wang, S. (2025). Influence of sensory-rich hotel visuals on purchasing behavior. *Journal of Travel Research*. <https://doi.org/10.1177/00472875241310818>
11. Baydeniz, E., & Altin, M. (2025). Sustainable strategies for competitive edge in thermal hospitality businesses. *Management Decision*.
12. Mansoor, M., Jam, F. A., & Khan, T. I. (2025). Inspiring green behaviors through customer engagement and social factors in hospitality. *International Journal of Contemporary Hospitality Management*, 37(5), 1804–1826.
13. Das, I. R., Talukder, M. B., & Kumar, S. (2024). Leveraging artificial intelligence in hospitality branding and outreach. In *Utilizing Smart Technology and AI in Hybrid Tourism and Hospitality* (pp. 291–310). IGI Global.
14. Polat, E., Çelik, F., Ibrahim, B., & Gursoy, D. (2024). Evolution and impact of influencer strategies in hospitality and tourism. *Journal of Travel & Tourism Marketing*, 41(3), 322–343.
15. Datiko, D. B. (2024). Customer-centric marketing frameworks in hospitality: Evidence from emerging economies. *International Journal of Tourism Policy*, 14(1), 37–53.
16. Berhanu, K., & Raj, S. (2024). Social media marketing acceptance in Ethiopian hospitality: A UTAUT perspective. *Cogent Social Sciences*, 10(1), 2318866.
17. Chen, X., Xiang, B., & Bilgihan, A. (2024). Hotel advertising metaphors: Eye-tracking analysis and hotel typologies. *International Journal of Contemporary Hospitality Management*, 36(12), 4192–4214.
18. Yin, J., Chen, H., & Ni, Y. (2024). Hotel vlogging and buyer behavior: Navigating price deals and perceptions. *Journal of Hospitality and Tourism Management*, 58, 333–344.
19. Khan, N., Acuti, D., Lemarie, L., & Viglia, G. (2024). Understanding the gap between intention and behavior in sustainable hotel practices. *International Journal of Contemporary Hospitality Management*, 36(5), 1627–1646.
20. Ahmad, N., Ahmad, A., Lewandowska, A., & Han, H. (2024). CSR messaging on social platforms and its impact on hotel brand advocacy. *Journal of Hospitality Marketing & Management*, 33(3), 384–413.