CHAPTER 5

EMERGING TRENDS IN E-COMMERCE AND ONLINE RETAIL: NAVIGATING THE FUTURE OF DIGITAL COMMERCE

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KEYWORDS

ABSTRACT

E-COMMERCE, ONLINE SHOPPING. **OMNICHANNEL** SHOPPING, MOBILE SHOPPING, ARTIFICIAL INTELLIGENCE, SOCIAL SHOPPING. SUSTAINABILITY, DIGITAL MONEY, CUSTOMER SERVICE. DATA SECURITY. **NEW** TECHNOLOGIES, **DIGITAL** TRANSFORMATION.

With a speed of change, e-commerce and online retailing changed the way businesses work and interact with their consumers, and completely changed the face of retailing worldwide. As the technology advances, there are a few trends that are taking shape in the digital retail world, fueling growth and making shopping experience better. The following chapters covers major trends in Omni channel, mobile commerce, AI and machine learning, social commerce and e-commerce sustainability. It looks at how businesses are responding to these shifts with new technologies, personalized experiences and responding to the growing call for green-consciousness. This chapter also looks into how digital wallets, cryptocurrencies and other payment system innovations affect the way consumers use them and how transactions are secure. It also talks about retailers struggling with keeping their online spaces safe and their customers' data safe. These trends and their future significance is explained in this chapter which will be helpful for companies to make sense of the fast paced e-commerce world to remain on top in the digital age.

5.1 THE RISE AND DEVELOPMENT OF E-COMMERCE

The e-commerce space has been increasing exponentially in the past 10 years and changed the way companies operate and consumers shop. With the change in digital world, online shopping has become more than a sideshow and a monopoly in online shopping. It has gone from traditional brick-and-mortars to fully fledged online businesses — it has grown exponentially thanks to the tech advances, consumer trends, and more access to the internet. Global e-commerce sales reached over \$5 trillion in 2023 – this gives you an idea of the size of the sector. Shopping is part of the everyday life, and consumers have never been more inclined to take advantage of the speed, variety and availability of online shopping. Innovations in technology have been a major factor in the transformation of e-commerce, and in consumer and retail culture as well. The primary agent of transformation is technology, from the dawn of the internet to the explosion of mobile phones. First online stores had a simple product catalog and easy checkouts. But as technology grew so did the sophistication of online retail. Increasing adoption of secure payment processors, mobile apps, artificial intelligence (AI) and augmented reality (AR) has made online purchasing much faster, more personalized and visually interesting. Then there is the massive growth in mobile commerce (m-commerce) due to the widespread use of smartphones that have fueled the development of e-commerce market.

Behaviour among consumers has also changed in a fashion according to these technologies. You can now shop anywhere, anytime and from an infinite number of products.' Shopping has become easy and personalized. The AI recommendations, chatbots, and checkout has been made faster and more individualized through technology to make the purchasing process seamless. Additionally, consumer demand for faster delivery times, returns policies and better customer service forced companies to go further and provide a single seamless experience across multiple platforms. To sum it up, technological changes have influenced the rise and development of ecommerce. Because consumer trends will continue to change as they are re-evolving, companies will have to be flexible in order to keep up with the times and stay ahead of the digital curve. In this chapter, we will see how these developments are shaping the future of e-commerce and how companies are reacting to remain competitive in the ever-digital world.

5.2. OMNICHANNEL RETAILING: CROSSING THE INTERNET AND OFFLINE CHANNELS

Omni channel shopping is now the number one strategy among e-commerce companies to offer a single integrated shopping experience on both physical and digital channels. Since shoppers now behave differently, interconnecting online and offline purchases is an increasingly necessary strategy for brands trying to satisfy today's Omni channel consumer. Omni channel approach is a result of this increasing need for more consistency and adaptability, where consumers can access brands across multiple channels (physical store, online, mobile app, social media).

5.2.1 THE NEW ERA OF OMNICHANNEL STRATEGIES IN ECOMMERCE

Omni channel retailing was born out of the restrictions of one-channel retailing which limited sales to store or online. Omni channel approaches were also driven by the rapid rise of digital into the mainstream and increasing convenience. Customers today want a consistent shopping experience, where they can interact with a brand at various touchpoints and there is no discombobulation along the way. For instance, a user can search for products online, or buy something in-store, or collect an order from the website in-store. Omni channel shoppers, Omni channel shoppers are spending more than the one-channel shoppers according to studies, so it's a growth engine for retailers. A 2020 report from the National Retail Federation says that companies with good Omni channel plans retain 91% more customer's year over year than their competitors. If brands are flexible on their customers' experience with the brand, it's possible to drive more engagement, loyalty and conversion on all channels. The rise of Omni channel retailing is also driven by the technological changes, such as cloud computing, mobile shopping, data analysis and artificial intelligence (AI). Such apps can be used by businesses to monitor customer behavior, optimize stock and personalize the customer journey. Omni channel is now an advantage to any company that wants to exceed the needs of the tech-savvy consumer who requires frictionless and individual customer engagement across all touchpoints of the customer journey.

5.2.2 HOW RETAILERS ARE BRINGING PHYSICAL STORES AND DIGITAL CHANNELS TOGETHER TO IMPROVE CUSTOMER EXPERIENCES

The retailers are merging stores and websites in new ways to offer customers an integrated and personalized experience. The point is to bridge the online-offline disconnect, where customers seamlessly can jump from one platform to the next

without getting lost. Here are some of the most prominent ways retailers are getting this integration:

- Click-and-Collect Services (BOPIS Buy Online, Pick Up In Store): Perhaps the most popular Omni channel feature is click-and-collect where you buy products online and then select to pick it up from the nearby store. This saves shipping expenses but it is also an extra push for shoppers to stop by the store which might boost their in-store purchases. Retailers like Walmart and Target are already implementing BOPIS into their business models whereby the customers can shop and purchase online and collect it at their stores.
- Companied Inventory & Data Management Systems: The inventory and data management system built in allows retailers to provide real-time information about product availability on physical and digital surfaces. When a customer uses online or physical store, he/she can be assured that they are viewing the exact same real-time product availability. It is also a single system, so the stores can manage the inventory and ensure products are easily accessible wherever you need them, online or offline.
- Personalization across Channels: Based on customer data, shops now can customise the customer journey across all channels. Businesses can use customer profiles, sales history and browsing history to offer relevant recommendations, deals and ads online and offline. For instance, after browsing some products on a retailer's website or mobile app, they might be automatically email with customized discounts. Sales representatives in stores will be able to pull customer data to provide a one-on-one advice or assistance in-store, improving the in-store experience.
- In-Store Digital Integration: The majority of stores have started digital touchpoints for better customer engagement. Retailers, for instance, have been using digital kiosks, tablets, and touch screens that will allow the customers to check inventory, prices or place orders from the store itself. There are also retailers who are using AR to show the products inside their own homes so they can actually try them out before buying. These are the digital devices which connect the physical and online shopping experience to give customers an interactive environment.
- Seamless Returns across Channels: The capability to send online purchased products back to stores is also another aspect of omnichannel selling. Returns that are easy to return build credibility with customers and encourage them to purchase again. This method is being exploited by stores such as Amazon or Zappos which

- enable you to return items in-store or through convenient drop off locations offering easy and hassle-free returns.
- Omnichannel Loyalty Programs: Loyalty plans combining online and offline
 purchases are also getting adopted by retailers. e.g. Customers will receive points
 on the store, for example, which can be exchanged for discounts online, or vice
 versa. These are multi-channel programs that drive cross-channel engagement and
 build long-term relationships with customers. The data also provided by loyalty
 programs can be used to tailor more shopper marketing and deals for the retailers.

In short, Omnichannel Retailing is no longer a fashion statement, but rather a necessity for any retailer that wants to survive in today's hypercompetitive marketplace. When companies merge digital and in-store capabilities, they can give customers a more personalized, convenient and customizable shopping experience. Moreover, the technology is improving day by day, which means that there will only be more innovative solutions in the future when it comes to omnichannel retailing, that will seamlessly combine the digital and physical. Creating omnichannel plans for your business is a fundamental step to resolving customer needs and trends so you stay one step ahead of the curve.

5.3 THE IMPACT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ON ONLINE RETAIL

Omni channel shopping is now a priority of the e-commerce enterprises, who want to offer a cohesive, integrated experience for shoppers, in both stores and online. In a changing consumer culture, digital and physical shopping are becoming the lifeblood of brands looking to fulfill the desires of the connected consumer. Omni channel approach is also a development of what customers now expect: consistency and agility as customers interact with brands in many different ways – physically, online, on mobile, social.

5.3.1 THE ENCROACHMENT OF OMNICHANNEL APPROACHES IN E-COMMERCE

Omni channel retailing was the result of single-channel retailing which was only focused on in-store and online selling. Omni channel strategies have been sped up by a rising pace of digital inhabitation and a rising need for speed. These days, consumers want to shop in one place where they can interact with a brand across multiple channels without feeling that everything is broken up. Whether it's looking at products online, buying in-store, or collecting an online order in-store, for instance.

Omni channel customers, according to research, spend more than single-channel customers, and are a growth driver for retailers. The National Retail Federation reported in 2020 that Omni channel effective businesses retain customers on average 91% better year-over-year than their competitors. Offering customers freedom in how they engage with the brand will make companies engage, stay loyal, and increase sales on all platforms. Innovations in technology, cloud computing, mobile commerce, data analytics and artificial intelligence (AI) are further driving Omni channel retailing. These solutions help businesses to monitor customer activity across channels, manage inventory and deliver personalized services. Omni channel strategies are a business competitive advantage when businesses try to compete with technologically savvy customers demanding seamless and personal customer experiences across all phases of the customer journey.

5.3.2"HOW STORES ARE LEVERAGING STORES AND DIGITAL PLATFORMS TO DELIVER IMPROVED EXPERIENCES TO CUSTOMERS"

Stores are unifying physical locations and online stores in creative ways to offer one unified and customized experience. It is to be able to close the online/offline divide so that the customer moves seamlessly from platform to platform without interruption. Voice some of the main strategies retailers are taking to do this integration:

- Click-and-Collect (BOPIS Order Online, Pickup in store) Free Click and Collect (BOPIS Buy Online, Pick Up In Store)- A very famous component of omnichannel shopping is click-and-collect, where shoppers buy something online and pick it up in the store closest to them. It not only saves you on shipping but also gives your customers an extra reason to come to the store, which might drive instore purchases. Major retailers, Walmart and Target, have already adopted BOPIS into their businesses and the shoppers can shop online and pickup at the store.
- Reconfigured Inventory and Data Management Platforms- Inventory and data
 management integrated with the product to provide a real time updates of the
 availability of products at the store and online. Online or in store customers are
 guaranteed the same true information about the availability of product, so they don't
 need to worry about this issue. This centralized system also lets retailers manage
 stock, so items are always there at the right time, on the right platform, either online
 or in-store.
- **Personalization Across Channels-** With the help of customer data, retailers can personalise every single channel shopping. Businesses can provide relevant recommendations, deals, and ads to customers based on customer profiles, previous

purchases, and browsing history, online and offline. Customers can, for instance, get targeted discounts through email when viewing some products on a retailer's website or app. In-store, sales representatives can have access to data from customers and provide them personalized advice or support that increases the instore experience.

- In-Store Digital Integration- Almost all stores have digital touchpoints to give the experience to the customers. For instance, retailers are implementing digital kiosks, tablets and interactive screens where customers view product data, compare prices, or place orders right in-store. Also, some retailers are even using AR to give shoppers the chance to walk around and look at the products in their home before purchasing them. Such online gadgets replace physical and online retailing by giving customers an exciting and interactive experience.
- Seamless Returns Across Channels- Being able to ship back products from the internet to a store is another important part of omnichannel shopping. Providing customers with hassle-free returns gives you the credibility of getting back again and again. Amazon and Zappos have taken advantage of this by offering returns in store or through convenient drop off points, so that the returns are quick and easy for the customer.
- Omnichannel Loyalty Programs- Loyalty programs that are both online and offline are getting embraced by retailers. For instance, you can offer in-store points for shopping which can then be used to get discounts on the internet or vice versa. These are cross-channel and customer engagement programs that drive loyal customers. Loyalty programs also contain data, which helps the retailers further customize advertising and promotions.

Finally, Omnichannel Retailing is no longer a novelty, but it's a necessity if you want to stay relevant in today's competitive world. When firms combine digital and physical retail, it provides a personalized, easy and flexible shopping experience for their customers. In the age of tech, the future of omnichannel retailing will have even more advanced technology to fuse the virtual and physical. Businesses who are seeking to stay ahead of the competition, implementing omnichannel strategies is a must to stay on top of what consumers are looking for and market trends.

5.4 THE ROLE OF SOCIAL MEDIA IN E-COMMERCE GROWTH

Omni channel retailing has been a hot new business initiative for the e-commerce companies that want to deliver a fully integrated experience of shopping both in store and online. With consumers changing their shopping habits, a hybrid of digital and physical retail is a necessity for brands looking to be able to serve today's connected consumer. Omni channel marketing is another response to customers demand for more continuity and adaptation by letting consumers interact with brands at multiple touchpoints whether it's in store, online, mobile, or social media.

5.4.1 THE OMNICHANNEL STRATEGY IS AWAKENING IN E-COMMERCE

Omni channel retailing came about from the stifling nature of single-channel retailing which only sold products in-store or online. Omni channel strategies have been driven by digital technology becoming a more integrated part of life, and the need for convenience. For consumers today, they're looking for a single shopping journey that can bring them to a brand across multiple channels, and without fragmentation in between. e.g. Customers could view the products online, purchase at an store or collect an order placed online at a store. Omni channel shoppers are the biggest spenders out there compared to single channel consumers and therefore, it is a huge growth engine for the retailers. A 2020 National Retail Federation report reveals that companies that are strong on Omni channel enjoy 91% higher retention rates year-over-year than those that are not. Businesses can increase engagement, loyalty and sales by allowing consumers to have options in how they engage with the brand on every platform. Omni channel retailing growth also gets aided by the technological advancements such as cloud computing, mobile commerce, data analytics and artificial intelligence (AI). These are the platforms with which companies can monitor customer behaviour across channels, manage stock, and provide personalized experiences. Omni channel strategies are becoming a competitive advantage because companies need to deliver on the demands of tech-savvy customers who expect seamless, customized experiences at all points of the customer journey.

5.4.2 "HOW RETAILERS ARE BRIDGING THE GAP BETWEEN STORES AND DIGITAL CHANNELS TO DELIVER GREAT CUSTOMER EXPERIENCES"

Businesses are fusing stores and digital channels together in novel ways to bring a holistic and personalised customer experience. The vision is to cut out the online and offline channel barrier, so customers don't feel interrupted as they move from one platform to the next. Below are some of the key retail channels doing just that:

• Click-and-Collect (BOPIS – Buy Online, Pick Up In Store)**Click-and-collect Service- Perhaps the most common offering of omnichannel retailing is click-and-collect, whereby you buy something online and then opt to collect it in the nearest

bricks and mortar location. This not only reduces shipping but also serves as a bonus for customers to go to the store and thus, may lead to more in-store purchases. Retailers like Walmart and Target are already implementing BOPIS in their business models, where the consumer can shop and order online and pick it up locally.

- One-Stop Inventory and Data Systems- With a single inventory and data management system, retailers can provide real-time product information both in the physical and online stores. Shoppers online and in store will also know they are seeing the same correct product availability information. And this single platform even lets the retailers manage stock so that they can be available whenever and wherever they want.
- **Personalization Across Channels-** Now retailers can customize the customer experience by using customer data, in all stores. With customer profiles, purchase history and browsing data, companies can provide individualized recommendations, discounts and advertisements, online and offline. For instance, customers might be emailed targeted discounts after browsing certain items on a store's website or app. Sales reps in the store are able to access data from customers to provide advice or support on a one-to-one basis, improving the in-store experience.
- In-Store Digital Integration- A lot of shops have added digital touchpoints to the customer experience. Retailers, for instance, have digital kiosks, tablets, and touch screens where customers can check out products, shop prices, or order products instore. There are also retailers that are implementing augmented reality (AR) to let customers see products in their own surroundings before buying. These virtual applications are used to separate the online and offline purchasing process thereby giving shoppers an interactive shopping experience.
- Seamless Returns Across Channel- Return of a product from the web to the brickand-mortar store is another important part of Omni channel shopping. Easy returns help customers trust your business and buy more from you. Amazon, Zappos, etc have benefited from this and now consumers can return their items either in-store or via the convenient drop-off facilities and it's all about an easy, hassle-free returns process.
- Omni channel Loyalty Programs- Retailers now use loyalty programs that span online and offline purchases. For instance, if they purchase something in-store, they will get points which can be used to receive a discount online or vice versa. These programs drive cross-channel and long-term customer relationships. The data that loyalty programs provide is also very helpful as it helps stores further personalize campaigns and offers.

Overall, Omni channel shopping is no longer an insidious fashion statement, but rather a strategy that retailers should adopt to stay ahead of the competition. When the companies combine digital and offline platforms, customers have a more personalized, easy, and mobile shopping experience. With technological advancements in the future, there will be even more innovative ways of bringing the digital and physical world together in Omni channel retailing. For companies who want to remain competitive, adopting Omni channel practices are a must to stay in front of consumers' needs and trends.

5.5 PAYMENT INNOVATIONS: DIGITAL WALLETS, CRYPTOCURRENCIES. AND THE FUTURE OF ONLINE PAYMENTS

With fast developing payment technologies, e-commerce is being transformed into a future in which customers are now able to make purchases online much faster, easier, and safer. Digital wallets and cryptocurrencies are leading these changes and are each changing online payment completely differently.

5.5.1 THE DEVELOPMENT OF DIGITAL WALLETS AND OTHER PAYMENT METHODS TO IMPROVE CUSTOMER EXPERIENCE

Apple Pay, Google Pay, PayPal Digital wallets have made payments easy for customers online. These platforms are the place where consumers can store their payment details safely and checkout by simply clicking, without a credit or debit card input. The customer journey was a lot better with digital wallets which makes the shopping process fast, instant and frictionless so customers can complete their purchases with no stress or delay. In addition, digital wallets can include loyalty rewards, reward points, and discounts right into the payment system to make it even more tempting for customers to use them. They even support different currencies, which is good for cross-border payment and companies wanting to go international. Newer payments like BNPLs (Buy Now Pay Later) solutions like Klarna, Afterpay and Affirm are becoming increasingly popular by giving consumers greater control over how they make payments. These websites allow consumers to pay in installments without interest so they can afford premium merchandise more easily. This is a model that has proved very successful in fashion, beauty and electronics sector, as it is popular with those consumers who desire ease and affordability. Future improvements to digital wallets might include better security (biometric authentication, for example) and artificial intelligence (AI) to anticipate consumer behavior and spend more accurately so the payment experience becomes even more personalized.

5.5.2 HOW CRYPTOCURRENCIES CAN CHANGE THE WAY WE BUY AND SELL PRODUCTS

Cryptocurrencies like Bitcoin, Ethereum and other digital currencies are already emerging as alternatives to traditional forms of payments in online business. The decentralized digital currencies are peer to peer transactions which are done directly with peers without the need for intermediaries such as banks resulting in lower transaction fees and faster payment receipt. The second reason is that cryptocurrencies are privacy and security friendly for both customers and businesses, since the transaction will be tracked on a blockchain and therefore less susceptible to hacks. There is so much that cryptocurrencies could be doing for e-commerce because it would completely disrupt the way we do payments online. Businesses that accept cryptocurrency for example can access the rapidly expanding crypto user base around the world, including those who lack access to mainstream banking channels. What's more, volatility in cryptocurrencies can be problematic for businesses because they will need to deal with fluctuations of price, but most businesses are already taking measures to mitigate these risks by immediately translating cryptocurrency payments into their native currency. E-commerce adoption of crypto is also in the same lines with more general digital transformation trends and could be a fundamental aspect of e-commerce payments as blockchain technology evolves. The more shops begin to accept cryptocurrencies and the clearer government policy regarding digital currencies becomes, the more the cryptocurrencies could contribute to global online commerce.

- **E-Commerce Customer Experience:** Driven Enablement and Loyalty- In today's hyper-competitive e-commerce market, customer experience is the secret to sales, brand loyalty and differentiated business. : Companies that invest in their customer experience are able to retain their existing customers while adding new ones and increase their bottom line.
- The Power of User-Friendly Website Design, Fast Checkout Process, and Convenient Customer Service in Converting to Sale: Designing a website is the first and foremost step in a customer journey. A good e-commerce website is user-friendly, mobile friendly and responsive to any devices so that users can navigate easily to get the items they are looking for and complete their orders without hassle. The best product images, descriptions and price information are the main features of a good website design. Additionally, making sure your website is mobile-friendly is also a must as many consumers are purchasing on smartphones and tablets.
- Easy checkout is another important part of customer experience. Businesses have to eliminate as much friction as possible while checking out in order to prevent cart

- abandonment which is a typical online shopping problem. Easy checkout, multipayment, and guest checkout without account creation can all be streamlined and drive conversions.
- Customer service that is responsive also play an important role to stay customers happy. Having multiple communication methods like live chat, email, social media to facilitate your customers to contact you whenever they need it. If you are responsive in time and can resolve problems fast, you can do wonders for your customers, and increase their satisfaction and retention.

5.5.3 CONFIGURING LOYALTY PROGRAMS & GAMIFICATION TO GET CUSTOMERS BACK

Customer loyalty program has been around for a long time as a way to keep the customers with an e-store. Such programs reward users for buying more, referring other customers or other brand experiences to compel them to buy from the company again. Incentivize long-term customers with point incentives, discounts or exclusive access to products that stores can provide to encourage loyalty. Loyalty programmes get more successful when the business is able to give individualized rewards that are related to their customer behavior. Gamification techniques, which add game-like features to the purchase experience, have also been successful in driving conversions. Benefits such as points or achievements, or challenges help make shopping fun. Gamification will also push customers to return to the brand and might drive retention and lifetime value. Since the customer experience is a dynamic that companies are now constantly adapting with loyalty programs and adding artificial intelligence (AI) and data analytics to further enhance the buying experience. AI can also predict customer requirements, suggest products based on previous usage and even automate rewards from loyalty programmes based on specific spend. To sum up, customer experience in the form of intuitive website design, frictionless checkout, responsive customer service, loyalty programmes, and gamification initiatives are necessary if businesses want to make it in the crowded e-commerce market. With the right approach towards these things, businesses can create relationships with customers, grow customer satisfaction, and provide growth in a longer term.

5.6 CHALLENGES IN ONLINE RETAIL: SECURITY, FRAUD PREVENTION, AND DATA PRIVACY

Digital shopping has changed the way companies and customers interact with one another, providing unmatched convenience, access and variety. But e-commerce has also come with some challenges in terms of security, fraud protection and data security

as well. As online retailers manage a lot of data about the customer, and protecting it in a safe and reliable environment is critical to the customer's trust and avoiding the potential of financial loss.

5.6.1 COMING UP WITH SOLUTIONS FOR ONLINE TRANSACTION SECURITY AND DATA PROTECTION

A matter that is a major concern of every e-commerce company is online transaction security. Since cyber-attacks such as phishing, data theft and ransomware are on the rise, e-commerce stores have to protect their customers and transactions with advanced security systems. Secure Socket Layer (SSL) encryption is one of the essential security measures to keep information sent between the customer's end and the retailer's site from third parties' prying eyes. Retailers are also using new security measures such as two-factor authentication (2FA) and tokenization that substitutes payment information with special tokens which prevents the hacker from getting access to valuable data. There is another good option to secure payments — Biometric verification, like fingerprint or face recognition, for an extra layer of security against hacking. Protecting customer data is key, but so are laws such as the General Data Protection Regulation (GDPR) in Europe or the California Consumer Privacy Act (CCPA) in the US, which require companies to follow stringent data privacy and protection policies. These laws determine how businesses acquire, maintain and process customer information so that consumers have control over their data.

5.6.2 TRUST-BUILDING PREVENTION — HOW TO STOP FRAUD AND BUILD CUSTOMER SATISFACTION

E-commerce stores care a lot about preventing fraud since cybercriminals always come up with a new way of taking advantage of the invulnerabilities in the web systems. Shops can reduce fraud by using AI-powered fraud detection mechanisms that look for recurring customer patterns and alert shoppers before the purchase is final. Such tools detect fraudulent behaviour (high purchase frequencies or suspicious payment patterns, for example) and can stop fraud in its tracks.

For example, chargeback-detector software can prevent the purchase from being disputed fraudulently (usually via stolen credit card information). Retailers can also integrate with payment processors and fraud-prevention solutions that can monitor and support you in real time to identify fraud. Trust is critical to e-commerce long term. - Inclusiveness of collection and use of customer data and explicit return, exchange and customer rights policies provide shoppers with peace of mind that they are making

secure and educated purchases. And customer service and instant resolution of issues will add to trust.

5.7 THE E-COMMERCE MARKET FUTURE: FORECASTING THE FUTURE AND TRENDS

With e-commerce growing more and more, businesses must be on the cutting edge of the latest technologies and innovations that will drive online shopping's future. The emergence of new technologies like augmented reality (AR), virtual reality (VR), self-driving delivery vehicles and blockchain will give new avenues for e-retailers to deliver great customer experiences, improve business processes and keep up with their competitors.

5.7.1 A LOOK INTO THE FUTURE: AR/VR, AUTONOMOUS SHIPMENTS, AND BLOCKCHAIN TECHNOLOGY IN E-COMMERCE

Augmented Reality (AR) and Virtual Reality (VR) is going to change the online shopping experience by enabling consumers to use products in novel and dynamic ways.:

AR helps customers to see items inside the room of their home prior to purchase; whether it is furniture that they would have in their living room, or a piece of clothing. It makes a buyer less unsure and more confident in making purchase, making customers more connected to products. Similarly, VR also lets you interact with your customers via virtual stores and even browse and touch products in a 3D virtual environment. That would be a much more rounded shopping experience and would close the online and physical shopping experience.

Self-driving cars and drones — the future of deliveries — are all set to transform the shipping and logistics industry. They could cut down the time and costs of delivery, provide better last-mile delivery, and create environmentally sound shipping methods with less human effort and less vehicle emissions. When the autonomous delivery systems take off, e-commerce companies will have to restructure their systems to accommodate these innovations. The decentralized digital ledger technology blockchain is becoming more popular in e-commerce due to its ability to provide transparency and trust in transaction. Blockchain can also be used to automate supply chain management so that consumers know the exact source of their goods in real-time and ensure that the products they buy are genuine. Blockchain can also be used to secure online payments and thereby decrease fraud and increase customer trust.

5.7.2 THE FUTURE OF E-COMMERCE & ONLINE SHOPPING IN THE WORLD MARKET

The digital economy will be one that's international and organizations must restructure their business model to keep up with the growing number of global consumers. With internet usage soaring in emerging countries and online stores being established everywhere, companies will have never been more likely to grow worldwide. But that international expansion will come with some difficulties as well: handling international logistics, cross-border regulation, a range of customer needs, etc. Personalization will still be the main trend because people are expecting more personal experiences from online stores. It is e-commerce companies who can use AI and big data to give product recommendations, customized content and special offers that will be able to provide better customer experiences and loyalty.

Sustainability and green will also be a big component in e-commerce future as consumers take an interest in the environment. The more retailers incorporate sustainability into their supply chains and utilize green technologies, like sustainable packaging and carbon neutral shipping methods, the more attractive they will be among the ever-increasing eco-conscious shoppers. The bottom line is that e-commerce has a bright future and many technologies and trends will define the next decade of e-commerce. With AR/VR, self-delivery, blockchain, personalization and sustainability at the forefront, brands can stay ahead of the curve and provide shoppers around the world with a better shopping experience.

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