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# The Psychology of Cashback: How Reward-Based Digital Payments Influence Consumer Spending Behavior

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**Abstract**
The rapid growth of digital payment systems has significantly transformed consumer purchasing behavior, with cashback incentives emerging as a major strategy for promoting digital transactions and customer engagement. This study examines the influence of cashback incentives on consumer spending behavior within digital payment ecosystems. Drawing upon existing literature in consumer psychology, behavioral economics, and financial technology, the study explores how cashback rewards reduce price sensitivity, lower the psychological "pain of paying," and encourage impulse purchases. The findings indicate that consumers often perceive cashback as financial gain rather than a partial refund, leading to increased spending and reduced budgeting awareness through mechanisms such as mental accounting and instant gratification. The study also highlights the role of gamification and loyalty programs in strengthening customer retention and habitual platform use. The findings emphasize the need for responsible reward design and greater consumer financial awareness in digital payment environments.

**Keywords:** Digital Payments, Cashback Incentives, Consumer Spending Behavior, Mobile Wallets, UPI, Price Sensitivity, Pain of Paying, Mental Accounting, Impulse Buying, Gamification, Consumer Loyalty, Financial Technology (FinTech), Reward-Based Marketing, Consumer Psychology, Digital Payment Ecosystems.

## CHAPTER 1: INTRODUCTION

### 1.1 Background of the Study

Digital payments have completely changed the way people make financial transactions by providing faster, safer, and more convenient payment options than ever before. Over the last decade, these payment methods have become an important part of everyday life. Among all countries, India has emerged as a global leader in this digital transformation, accounting for nearly 46% of the world's digital transactions in 2022 (Gupta et al., 2024). A major reason behind this growth is the Unified Payments Interface (UPI), introduced by India's National Payments Corporation in 2016. By August 2023, UPI had processed more than 10 billion transactions worth ₹18,22,949.42 crore (approximately USD 189 billion), showing its remarkable influence on the country's payment system (Gupta et al., 2024).
The impact of digital payments goes far beyond simply making transactions easier. Studies show that nearly 75% of UPI users tend to spend more after adopting digital payments. Researchers suggest that this happens because digital transactions require less effort and remove the need to carry cash, making spending feel much more convenient (Gupta et al., 2024; Girivasuki et al., 2026). Since payments are completed instantly with simple authentication, consumers often make more frequent purchases, especially small and impulsive ones (Girivasuki et al., 2026).

Adding to this trend, digital payment platforms actively use cashback offers, discounts, and promotional rewards to attract users and influence their buying decisions. These incentives make products seem more affordable while giving consumers the satisfaction of receiving an immediate reward (Rupwate, 2026). Behavioural economists explain this using Prospect Theory and Mental Accounting Theory, which suggest that consumers often treat cashback as "bonus money" instead of simply viewing it as a discount. As a result, people tend to spend more and pay less attention to prices (Kharbanda & Chawla, 2025). This makes cashback incentives one of the key factors shaping consumer spending behaviour in today's digital economy.

**1.2 Problem Statement**

Although digital payment systems have become widely accepted, there is still limited understanding of how cashback incentives affect consumer spending behaviour. One important difference between digital and cash payments is that digital transactions do not involve physically handing over money. This reduces the psychological discomfort of spending, often referred to as the "pain of paying." When cashback rewards are added to digital payments, this feeling becomes even weaker because consumers feel they are getting some of their money back (Ly & Ly, 2024).

Behavioural economics suggests that consumers do not always make purchasing decisions based purely on logic. Emotions and psychological factors often influence buying behaviour more than careful cost-benefit analysis. Cashback incentives take advantage of this by providing instant rewards that encourage impulse purchases, increase overall spending, and reduce consumers' sensitivity to prices (Faraz & Anjum, 2025). However, most existing studies mainly focus on the adoption of digital payment technologies and the infrastructure supporting them, rather than examining how these incentives affect consumer behaviour and financial well-being.

This gap highlights the need for further research. It is important to understand exactly how cashback incentives change spending patterns, whether they genuinely reduce price sensitivity, and whether demographic factors such as age, income, and education influence these effects. By exploring these questions, this study aims to address an important gap in the existing literature and provide a better understanding of the relationship between cashback rewards and consumer decision-making (Kharbanda & Chawla, 2025).

**1.3 Purpose of the Study**

This study focuses on understanding how cashback incentives influence consumer spending behaviour within digital payment systems. As digital payment platforms such as UPI, mobile wallets, and fintech applications increasingly rely on cashback offers to attract and retain users, it becomes important to determine whether these incentives simply encourage people to adopt digital payments or whether they also change how much consumers spend and the types of purchases they make.

The study also explores the psychological and behavioural effects of cashback that have received relatively little attention in previous research. Existing evidence suggests that digital payments reduce the "pain of paying," while cashback creates a feeling of financial gain, which may encourage consumers to spend more than they originally intended (Ly & Ly, 2024; Faraz & Anjum, 2025). Prospect Theory and Mental Accounting Theory further explain why consumers often treat cashback differently from regular income, leading to lower price sensitivity and greater impulsive buying behaviour (Kharbanda & Chawla, 2025).

To achieve a comprehensive understanding, this research has five main objectives: (1) to examine how cashback influences consumer spending behaviour; (2) to determine whether reward-based incentives reduce consumers' price sensitivity; (3) to explore the role of cashback in encouraging impulse buying;

(4) to analyse how digital payments and cashback together reduce the psychological "pain of paying"; and (5) to investigate whether cashback contributes to overconsumption and post-purchase regret. Through these objectives, the study seeks to explain the psychological mechanisms that shape consumer behaviour in digital payment environments. The findings are expected to provide useful insights for consumers, digital payment providers, marketers, and policymakers who aim to encourage responsible and ethical use of reward-based payment systems.

### 1.4 Significance of the Study

As digital payments continue to grow across the world, understanding how they influence consumer behaviour has become increasingly important for researchers, businesses, and policymakers. Previous studies indicate that cashback incentives encourage consumers to spend more frequently by lowering the perceived cost of purchases and increasing transaction activity (Faraz & Anjum, 2025). By examining these effects, this study contributes to improving consumer financial awareness and helps individuals better understand how promotional rewards influence their spending decisions in an increasingly cashless economy.

The findings are also valuable for businesses, marketers, and digital payment providers. Research has shown that cashback programmes increase transaction frequency, strengthen customer engagement, and influence consumers' choice of payment platforms (Vana, Lambrecht, & Bertini, 2018). A better understanding of these behavioural effects can help organisations design promotional strategies that are both effective and responsible. Digital payment providers can also use these insights to create reward systems that encourage adoption without promoting excessive or impulsive spending.

From an academic perspective, this study addresses an important research gap. Although many studies have examined digital payment adoption, comparatively fewer have focused specifically on how cashback affects consumer decision-making, price sensitivity, and spending behaviour (Kharbanda & Chawla, 2025). By bringing together concepts such as pain of paying, impulse buying, and reward-driven behaviour, this research contributes to the growing body of knowledge on the psychological impact of digital payment incentives. The findings may also support the development of consumer-friendly policies that encourage financial well-being while promoting responsible innovation in digital payment systems.

### 1.5 Research Question

Previous research suggests that cashback incentives influence consumer behaviour by reducing perceived spending costs, lowering price sensitivity, and increasing the likelihood of unplanned purchases (Faraz & Anjum, 2025; Kharbanda & Chawla, 2025). However, there is still limited empirical evidence explaining the exact psychological mechanisms through which cashback affects consumer spending.

This study therefore addresses the following main research question:

**How do cashback-based digital payment incentives influence consumer spending behavior by reducing price sensitivity, lowering the psychological pain of paying, and encouraging impulse or excessive purchases?**

- To explore this question in greater detail, the study is guided by five secondary research questions:
- To what extent do cashback incentives reduce consumers' price sensitivity, thereby influencing their willingness to purchase higher-priced items or increase overall transaction value?
- How do cashback rewards and the intangible nature of digital payments interact to diminish the psychological 'pain of paying,' thereby encouraging greater spending frequency and volume?
- In what ways do cashback incentives trigger impulse buying behaviour, particularly through mechanisms such as instant gratification, fear of missing out (FOMO), and limited-time promotional

offers?

- Does the accumulation of cashback rewards contribute to overconsumption patterns, and does this lead to post-purchase regret or financial stress among consumers?
- How do demographic factors such as age, income level, and financial literacy moderate the influence of cashback incentives on spending behaviour?

Together, these research questions provide a clear framework for examining the psychological and behavioural processes through which cashback incentives influence consumer decision-making in digital payment ecosystems.

## CHAPTER 2: DIGITAL PAYMENT ADOPTION AND CONSUMER BEHAVIOR

### 2.1 Growth of Digital Payment Systems

Over the past decade, digital payment systems have transformed the global financial landscape. Cash transactions, once the primary mode of payment, have gradually been replaced by digital alternatives due to rapid technological advancements, widespread internet access, and the increasing use of smartphones. As more people gained access to mobile internet, digital payments evolved from being a convenient option to becoming an essential part of everyday financial activities. Consumers now prefer digital payment methods because they are fast, secure, and easy to use (Cocosila & Trabelsi, 2016).

India has become one of the strongest examples of this digital transformation. Since the launch of the Unified Payments Interface (UPI) in 2016, digital transactions have grown at an extraordinary pace. UPI transactions increased from 12.5 billion in 2019-20 to nearly 131 billion in 2023-24, accounting for around 80% of all digital payment activity in the country. Popular platforms such as PhonePe and Paytm rely heavily on UPI, highlighting its central role in India's digital payment ecosystem. This remarkable growth reflects the combined impact of government initiatives, technological innovation, and an accessible payment infrastructure that has made digital transactions available to millions of people.

At the same time, mobile wallets have expanded far beyond simple payment tools. They now allow users to transfer money, pay utility bills, shop online, book tickets, and access a variety of financial services through a single application. India also recorded one of the world's highest rates of mobile wallet usage in 2023, demonstrating consumers' growing preference for digital payment solutions (GlobalData, 2023; ACI Worldwide, 2024). Improvements in internet connectivity, affordable smartphones, and stronger payment security have further accelerated this shift, making digital payments an integral part of consumers' daily routines (Loh et al., 2022).

The COVID-19 pandemic further accelerated the adoption of digital payments by increasing the demand for contactless transactions. During this period, consumers and businesses moved away from cash in favour of safer and more convenient payment methods. Even after the pandemic, many consumers continued using digital payments because they eliminate the need to carry cash, simplify financial transactions, and provide greater flexibility in managing expenses. This has strengthened trust in digital payment systems and firmly established them as a preferred mode of payment. Around the world, digital wallets continue to gain popularity, especially in e-commerce and developing economies where they also promote financial inclusion. India's success has even become a global example of how real-time, low-cost digital payment infrastructure can be implemented effectively. As digital payments become more accessible across different sections of society, they are no longer limited to urban or technology-savvy users. More importantly, this shift has changed not only how people pay but also how they spend, making it increasingly important to understand how payment-based incentives influence consumer behaviour.

### 2.2 Mobile Wallets and Digital Integration

Mobile wallets have evolved significantly over the years. What started as simple digital payment tools has now developed into complete financial platforms that offer a wide range of services. In addition to cashless payments, mobile wallets now allow users to pay utility bills, recharge mobile phones, transfer money, book tickets, manage subscriptions, and access various online services. The widespread availability of smartphones, better internet connectivity, and continuous fintech innovation have played a major role in this transformation, making mobile wallets an important part of today's digital economy. As people increasingly depend on digital technology in their daily lives, mobile wallets have naturally become integrated into their financial activities and spending habits (Loh et al., 2022; Gupta et al., 2024).

One of the biggest reasons behind the success of mobile wallets is their ability to integrate with multiple digital services. Today, they connect seamlessly with food delivery platforms, online shopping websites, travel booking applications, ride-sharing services, and entertainment subscriptions. This integration allows consumers to complete transactions quickly without repeatedly entering payment details. Features such as saved payment information, biometric authentication, automatic bill payments, and one-click checkout further simplify the payment process. Previous studies suggest that these features improve the perceived usefulness of mobile wallets and encourage consumers to use them regularly for everyday purchases (Loh et al., 2022; Girivasuki et al., 2026).

Another important feature of modern mobile wallets is the use of reward-based systems. Many platforms offer cashback, loyalty points, reward credits, and promotional incentives that encourage users to continue using their services. These rewards create additional value for consumers while strengthening their connection with a particular payment platform. As people repeatedly use the same wallet across different services, these applications become deeply embedded in their financial routines, gradually encouraging habitual usage and greater dependence on digital ecosystems (Kharbanda & Chawla, 2025; Faraz & Anjum, 2025). Therefore, mobile wallets have evolved beyond being simple payment solutions and now play an important role in shaping consumer spending behaviour in the digital era.

### 2.3 Consumer Behaviour and Digital Payment Incentives

In today's competitive digital payment market, platforms rely heavily on incentives to attract and retain users. Common incentives include cashback rewards, loyalty points, referral bonuses, discount coupons, promotional credits, and digital coins that can be redeemed later. These rewards are designed not only to encourage people to adopt digital payment methods but also to influence their purchasing decisions by providing additional value during transactions (Gupta et al., 2024; Kharbanda & Chawla, 2025).

The availability of rewards has become an important factor in determining which payment platform consumers choose. Instead of selecting a platform only because it is convenient or easy to use, many users compare the rewards offered by different applications before deciding where to make a payment. Cashback offers, referral programmes, and exclusive promotional discounts often encourage consumers to switch platforms or remain loyal to a particular service. Research also suggests that many users actively use multiple payment applications at the same time to maximise the rewards they receive (Rupwate, 2026). This shows that incentives now play a major role in shaping payment preferences and consumer behaviour.

Beyond influencing platform choice, digital payment incentives also change the way consumers think about spending. When purchases include cashback or loyalty rewards, people often feel they are receiving greater value than the actual amount they spend. This perception increases satisfaction with the purchase and encourages continued use of the platform. Over time, repeated exposure to such incentives strengthens habitual usage and builds long-term customer loyalty (Faraz & Anjum, 2025; Girivasuki et al., 2026). As a result, digital payment incentives have evolved from simple marketing strategies into powerful tools that shape spending behaviour, purchasing decisions, and platform loyalty across the digital economy.

### 2.4 Convenience as a Driver of Digital Payment Use

Convenience is one of the main reasons why digital payment systems have become so popular across the world. Compared to traditional cash transactions, digital payments allow consumers to complete purchases quickly, safely, and with much less effort. The widespread use of smartphones, reliable internet connections, and user-friendly payment applications has made it possible to make payments anytime and from almost anywhere. Several studies have shown that consumers often consider convenience to be one of the strongest factors influencing their decision to adopt digital payment technologies, sometimes even more important than financial benefits (Alalwan et al., 2017; Madan & Yadav, 2018). As a result, digital payments have become an essential part of everyday financial activities.

Modern digital payment platforms offer a variety of features that improve convenience, including QR code payments, one-click checkouts, saved payment details, instant money transfers, and integrated bill payment services. These features significantly reduce the time and effort required to complete transactions. Consumers no longer need to carry cash, visit bank branches, or repeatedly enter payment information while shopping online. Many mobile applications also combine several financial services within a single platform, making everyday financial management simpler and more efficient (Singh et al., 2020). Such innovations have improved both accessibility and user experience, encouraging people from different backgrounds to adopt digital payment systems.

The influence of convenience extends beyond individual transactions. When consumers find a payment system easy to use and reliable, they are more likely to continue using it regularly and recommend it to others (Liébana-Cabanillas et al., 2020). The ability to pay instantly for shopping, transportation, utility bills, and other daily expenses has increased consumers' dependence on digital payment applications. Today, convenience is no longer viewed as an additional benefit but as a basic expectation of modern financial services. Therefore, the continued growth of digital payment systems reflects not only technological progress but also consumers' growing preference for fast, simple, and hassle-free payment experiences.

## CHAPTER 3: CASHBACK INCENTIVES AND REWARD-BASED PAYMENT SYSTEMS

### 3.1 Meaning of Cashback Incentives

Cashback is one of the most common promotional rewards offered by digital payment platforms after a consumer completes a purchase or financial transaction. Unlike traditional discounts, which reduce the price before payment, cashback is credited after the transaction has been completed. It may be provided as money deposited into a bank account, wallet balance, reward points, or platform-specific coins that can be used for future purchases (Vana, Lambrecht, & Bertini, 2018). As digital payment systems continue to grow, cashback has become one of the most effective strategies for attracting new users and encouraging existing customers to keep using a platform.

Most cashback programmes are offered under certain conditions, such as minimum purchase amounts, selected merchants, specific payment methods, or limited promotional campaigns. Mobile wallets, fintech applications, and e-commerce platforms use these offers strategically to increase customer engagement and boost transaction volumes. Previous studies suggest that reward-based incentives play an important role in encouraging consumers to adopt digital payment methods by increasing the perceived value of every transaction and influencing platform selection (Shi, Prentice, & He, 2022). This shows that cashback has evolved from being just a marketing tool to becoming a key factor in building customer loyalty and promoting digital payment adoption.

Consumers generally view cashback as a form of savings because it gives them the feeling that they are recovering part of the money they have spent. However, research in behavioural economics suggests that cashback is much more than a financial benefit. It also acts as a psychological incentive that influences spending decisions. The expectation of receiving an immediate reward makes purchases seem more attractive and valuable, even when the actual cashback amount is relatively small (Zhang, Watson IV, Palmatier, & Dant, 2023). Therefore, cashback influences consumer behaviour through both financial and psychological factors, making it an important element of modern digital payment systems.

### 3.2 Types of Digital Rewards

Digital payment platforms use a variety of reward systems to encourage consumers to use their services more frequently. Among these, cashback is the most widely recognised reward, where users receive a certain percentage of their spending back after completing purchases, paying bills, or making other financial transactions. Mobile wallets, banking applications, and digital payment platforms prefer cashback because it provides a direct and easily understandable financial benefit to consumers. These rewards are often linked to specific spending categories, selected merchants, or promotional campaigns, making cashback one of the most visible features of today's digital payment ecosystem (Bapat, 2020).

Another popular form of digital reward includes loyalty points, reward credits, and platform-specific coins. Many e-commerce platforms and payment applications allow users to collect these rewards over time, which can later be redeemed for discounts, products, or exclusive services. Loyalty programmes are designed to encourage repeated transactions by rewarding customers who continue using the same platform. Research shows that such programmes improve customer retention and promote long-term engagement by offering value beyond simple payment services (Dorotic, Fok, Verhoef, Bijmolt, & Tammo, 2019).

In addition to cashback and loyalty rewards, digital platforms also offer coupons, vouchers, discount codes, referral bonuses, and time-limited promotional offers. Coupons and vouchers provide immediate price reductions, while referral programmes reward existing users for bringing new customers to the platform. Time-sensitive promotions create a sense of urgency by offering benefits that are available only for a limited period. Together, these different reward mechanisms help platforms attract new users, encourage regular engagement, and retain existing customers. As digital payment services continue to expand, the variety of reward systems has become an important factor influencing how consumers interact with digital financial platforms (Hofacker, de Ruyter, Lurie, Manchanda, & Donaldson, 2020).

### 3.3 Functional Benefits of Cashback

Cashback has become one of the most widely used promotional tools in digital payment systems because it provides consumers with a direct and measurable financial benefit. Unlike traditional discounts, which lower the purchase price immediately, cashback is credited after the transaction in the form of money, wallet balance, reward points, or platform-specific currency. Most consumers see cashback as a way of recovering part of their spending, making the overall purchase seem more valuable and cost-effective (Vana, Lambrecht, & Bertini, 2018). As a result, digital payment providers actively promote cashback as an advantage that makes their services more attractive than competing payment methods.

The financial value associated with cashback also affects how consumers compare different payment platforms and purchasing options. Research shows that many consumers carefully evaluate cashback percentages, promotional offers, and reward structures before deciding which application or merchant to use (Mishra & Malhotra, 2022). In highly competitive digital payment markets, cashback becomes more than just a reward; it acts as an economic incentive that influences platform selection. By offering consumers a tangible financial return, payment providers create additional value that encourages greater participation in promotional campaigns and continued platform usage.

Cashback also strengthens consumers' belief that digital payments provide better financial value than traditional payment methods. Even when the cashback amount is relatively small, many consumers still perceive it as meaningful savings or an additional financial gain (Berman, 2022). This perception increases the attractiveness of digital payments for everyday activities such as online shopping, paying utility bills, booking travel, and ordering food. Therefore, the functional benefits of cashback go beyond the immediate financial reward, as they also encourage higher customer engagement, repeated platform usage, and stronger perceptions of economic value.

### 3.4 Hedonic Benefits of Cashback

Apart from providing financial benefits, cashback also creates emotional and psychological satisfaction that makes the overall shopping and payment experience more enjoyable. These hedonic benefits arise from the excitement and happiness consumers feel when they receive rewards after completing a transaction. Research has shown that cashback gives consumers the impression that they are receiving something extra in addition to the product or service they purchased, making the entire experience more rewarding (Rodrigues, Oliveira, & Costa, 2021). As a result, even routine transactions can become more satisfying, increasing the appeal of digital payment platforms.

Digital payment applications further strengthen these positive emotions through features such as reward notifications, cashback confirmations, progress trackers, and loyalty programmes. Receiving cashback, reward points, or digital credits immediately after a payment often creates feelings of achievement and instant gratification. Studies on gamification and digital engagement suggest that these reward mechanisms make ordinary financial activities more interactive and enjoyable, encouraging users to remain active on the platform (Hamari, 2017; Xi & Hamari, 2020). Over time, consumers begin to associate digital payments with positive experiences rather than simply viewing them as routine financial transactions.

These enjoyable experiences also help build stronger emotional connections with digital payment platforms. Consumers who consistently receive cashback rewards often develop more favourable opinions about those platforms and are more likely to continue using them in the future (Hwang & Choi, 2020). In this way, cashback functions not only as a financial incentive but also as an emotional reward that increases customer satisfaction and long-term engagement. The emotional benefits of cashback therefore play an important role in strengthening consumer loyalty and encouraging continued participation in digital payment ecosystems.

## CHAPTER 4: PSYCHOLOGICAL MECHANISMS BEHIND CASHBACK SPENDING

### 4.1 Pain of Paying Reduction

The term *"pain of paying"* refers to the psychological discomfort people experience when they spend money. This uncomfortable feeling acts as a natural control mechanism because it encourages consumers to think carefully before making a purchase (Soman & Gourville, 2021). The intensity of this feeling depends on the payment method used. Cash payments usually create a stronger sense of financial loss because consumers physically hand over money and can clearly see their cash decreasing. This visible exchange makes people more aware of how much they are spending and often discourages unnecessary purchases.

Digital payment systems have changed this psychological experience significantly. Features such as smartphones, QR codes, biometric authentication, and saved payment details have removed the physical act of handing over cash. As a result, consumers become less aware of the money leaving their accounts, making transactions feel quicker, smoother, and less emotionally significant (Prelec, Loewenstein, & Zellermayer, 2017; Falk, Kunz, Schepers, & Mrozek, 2021). Instead of viewing spending as a financial sacrifice, many consumers now see it as a simple digital action. This reduced awareness weakens one of the natural barriers that once helped control excessive spending.

Cashback incentives make this effect even stronger by shifting consumers' attention from the money they spend to the rewards they receive. Instead of focusing on the cost of a purchase, users often think about the cashback, wallet credits, or reward points they will earn. This changes the way they perceive the transaction, making it feel less like a financial loss and more like an opportunity to gain something. Research shows that reward-based payment systems encourage repeated platform usage while increasing consumers' perception of value, making spending feel more rewarding than costly (Shi, Prentice, & He, 2022; Kharbanda & Chawla, 2025). Consequently, the combination of digital payments and cashback significantly reduces the psychological barriers associated with spending, often leading to higher purchase frequency and increased consumer expenditure.

**4.2 Psychological Detachment From Money**

Psychological detachment from money refers to the reduced awareness consumers experience when spending through digital payment methods instead of cash. When people pay with cash, they physically count and hand over money, making the financial loss feel more real. Digital payment methods such as mobile wallets, UPI applications, and payment cards remove this physical interaction, creating a psychological distance between the consumer and the money being spent. Because of this separation, digital transactions often feel less significant than cash payments (Reshadi & Fitzgerald, 2023). As digital payments become part of everyday life, consumers increasingly view spending as a simple digital process rather than an immediate financial sacrifice.

Modern payment technologies further increase this psychological distance through features like one-click checkout, saved payment credentials, biometric authentication, and automatic payment processing. Transactions are completed within seconds, often without users checking their account balance or seeing the actual movement of money. Research suggests that this convenience reduces consumers' awareness of their spending, allowing them to focus more on the shopping experience than on the amount being paid (Ma et al., 2024; Boden, Maier, & Wilken, 2020). In many cases, the payment process becomes almost invisible, making consumers less conscious of their overall expenditure.

Cashback incentives deepen this psychological detachment by encouraging consumers to concentrate on the rewards they receive instead of the money they spend. Rather than thinking about the total amount paid, users often focus on the cashback, promotional credits, or reward points they earn after completing the transaction. This changes how consumers evaluate purchases, making the financial burden appear smaller than it actually is. Previous studies indicate that reward-based digital payment systems improve consumers' perception of value while reducing their sensitivity to monetary outflow, ultimately encouraging greater platform usage and higher spending (Shi, Prentice, & He, 2022; Zhang, Watson IV, Palmatier, & Dant, 2023). Therefore, psychological detachment from money represents an important mechanism through which digital payments and cashback jointly influence consumer spending behaviour.

### 4.3 Instant Gratification

Instant gratification refers to people's natural tendency to prefer immediate rewards over larger benefits that may be available in the future. Digital payment platforms make use of this tendency by offering cashback and other rewards almost immediately after a transaction is completed. Whether consumers receive cashback, wallet balance, loyalty points, or digital coins, these instant rewards create positive emotions and reinforce spending behaviour. Research suggests that immediate rewards make digital payment platforms more attractive because consumers feel that every purchase provides additional benefits beyond the product or service itself (Rodrigues, Oliveira, & Costa, 2021; Prentice, Lopes, & Wang, 2020).

Digital payment applications strengthen this experience by displaying reward notifications, cashback confirmations, and visually appealing interfaces immediately after payment. These instant updates generate feelings of excitement, achievement, and satisfaction, encouraging users to associate digital payments with enjoyable experiences. Studies on gamification and digital engagement show that such immediate feedback increases consumers' preference for digital payment platforms and motivates them to continue using these services in future transactions (Hamari, 2017; Xi & Hamari, 2020). As a result, digital payments become more than just a method of transferring money; they become rewarding experiences in themselves.

However, instant gratification can also have negative consequences. When consumers prioritise immediate rewards over long-term financial goals, they may become more willing to make purchases they would otherwise avoid. Cashback offers and limited-time promotions encourage people to act quickly, often without carefully evaluating whether the purchase is necessary. Research indicates that the desire for immediate rewards weakens self-control, increases spontaneous spending, and gradually reduces consumers' ability to plan their finances effectively by shifting their attention from future consequences to short-term satisfaction (Liu, Brock, Shi, Chu, & Tseng, 2023; Berman, 2022). This highlights one of the hidden behavioural effects of reward-based digital payment systems.

### 4.4 Mental Accounting and Budgeting Errors

Mental accounting refers to the way people mentally organise and manage money by placing it into different categories based on its source or intended use. In digital payment systems, cashback rewards often take advantage of this behaviour because consumers tend to treat cashback as "extra money" instead of viewing it as a partial refund of their own spending. Rather than considering the total amount they have spent, many people see cashback as a separate financial gain, making them feel more comfortable spending it freely. Behavioural studies suggest that this mental categorisation shifts consumers' attention away from their actual expenditure and towards the rewards they receive (Reshadi & Fitzgerald, 2023; Wang, Guo, & Wang, 2022).

Digital payment platforms strengthen this effect by displaying cashback balances, reward credits, and digital coins separately from users' main bank accounts. Because these rewards appear as independent financial assets, consumers often underestimate the true cost of their purchases while placing greater value on the cashback they receive. Research shows that reward programmes encourage repeated platform usage by making transactions seem financially beneficial, even when consumers end up spending more than they originally intended (Lemon & Verhoef, 2016; Zhang, Watson IV, Palmatier, & Dant, 2023).

As consumers begin focusing more on the rewards they earn than on the money they spend, budgeting becomes less accurate. Instead of comparing purchases with their planned spending limits, many individuals justify additional expenses by believing that cashback has reduced the overall cost of previous purchases. This creates a false impression of saving money, even when total expenditure continues to increase. Recent studies indicate that these budgeting errors contribute to excessive spending, lower awareness of personal finances, and weaker financial self-control, particularly among regular users of platforms that frequently offer cashback and promotional rewards (Ma et al., 2024; Shi, Prentice, & He, 2022). Therefore, mental accounting plays an important role in explaining how cashback incentives influence long-term spending behaviour.

### 4.5 Cognitive Biases in Cashback Decisions

Consumers do not always make purchasing decisions based on careful and rational thinking. Instead, their choices are often influenced by cognitive biases, which are predictable patterns of thinking that affect judgement. In digital payment systems, even small cashback rewards can appear much more valuable than they actually are because consumers tend to focus on the immediate benefit rather than the overall cost of the purchase. Research suggests that promotional rewards encourage consumers to overestimate the financial value of cashback, creating the impression that they are making smarter financial decisions even when the actual savings are relatively small (Reshadi & Fitzgerald, 2023; Zhang, Watson IV, Palmatier, & Dant, 2023).

Digital payment platforms intentionally use several promotional techniques that take advantage of these biases. Personalised cashback offers, countdown timers, exclusive campaigns, and limited-time rewards create a sense of urgency that encourages consumers to act quickly without fully evaluating their decisions. These strategies increase the fear of missing out on a valuable opportunity, shifting consumers' attention away from the actual product and towards the reward itself. Studies show that such time-sensitive promotions increase purchase intention by encouraging faster decisions and reducing careful comparison of alternatives (Liu, Brock, Shi, Chu, & Tseng, 2023; Huang, Chen, & Wang, 2021).

As a result, consumers often justify purchases based on the cashback they receive rather than on whether they genuinely need the product or whether it fits within their budget. Cashback creates the feeling of saving money, even though total spending may actually increase. Previous research demonstrates that reward-based payment systems redirect consumers' attention from the real financial consequences of spending while encouraging greater platform engagement and reducing careful evaluation of purchases (Shi, Prentice, & He, 2022; Ma et al., 2024). Therefore, cashback influences consumer behaviour not only by providing financial rewards but also by taking advantage of common cognitive biases that shape purchasing decisions.

## CHAPTER 5: PRICE PERCEPTION AND SPENDING DECISIONS

### 5.1 Price Sensitivity and Cashback

Price sensitivity refers to the extent to which consumers change their purchasing decisions when the price of a product or service changes. Generally, people who are highly price-sensitive compare prices carefully and try to minimise their spending. However, cashback incentives can reduce this sensitivity by making consumers focus more on the reward they receive than on the actual amount they spend. Instead of evaluating the full price of a product, many consumers pay greater attention to the cashback they will earn, making the purchase appear more attractive (Vana, Lambrecht, & Bertini, 2018; Kharbanda & Chawla, 2025).

Digital payment platforms intentionally use cashback to create the impression that consumers are saving money. Even when the cashback amount is relatively small, it can make the purchase feel like a better deal. Behavioural studies suggest that consumers often place more value on receiving an immediate reward than on analysing the total cost of the transaction. As a result, cashback reduces the psychological impact of higher prices and encourages consumers to spend more than they initially planned (Berman, 2022; Zhang, Watson IV, Palmatier, & Dant, 2023).

Over time, repeated exposure to cashback offers can gradually change consumers' attitudes towards pricing. Rather than searching for the lowest-priced option, many people begin choosing payment platforms or merchants that offer better rewards. This shift means that purchasing decisions are increasingly influenced by promotional benefits instead of actual product prices. Research indicates that reward-based payment systems encourage higher transaction values by reducing price sensitivity and increasing consumers' willingness to make purchases that they might otherwise avoid (Shi, Prentice, & He, 2022; Ma et al., 2024). Consequently, cashback plays an important role in shaping how consumers perceive prices and make spending decisions.

**5.2 Perceived Savings v/s Actual Savings**

One of the biggest reasons cashback programmes are effective is that they create a strong feeling of saving money. When consumers receive cashback after a purchase, they often believe they have made a financially smart decision because part of the amount spent is returned to them. This feeling of saving can make the purchase seem more worthwhile, even if the cashback itself is relatively small (Vana, Lambrecht, & Bertini, 2018). As a result, many consumers pay more attention to the reward than to the total amount they have spent.

However, perceived savings do not always match actual savings. In many situations, consumers spend extra money just to qualify for cashback offers or meet minimum purchase requirements. Although they receive a reward, their total expenditure may still be higher than if they had bought only what they originally needed. Research suggests that consumers often overestimate the financial value of cashback because they focus on the reward while overlooking the additional spending required to earn it (Berman, 2022; Liu & Mattila, 2020).

Digital payment platforms further strengthen this perception through promotional messages that highlight cashback amounts instead of overall spending. Phrases such as "Earn ₹200 cashback" or "Get 10% back" naturally draw attention to the reward rather than the actual cost of the purchase. Behavioural studies indicate that this framing effect encourages consumers to feel they are saving money, even when the overall financial benefit is relatively small (Zhang, Watson IV, Palmatier, & Dant, 2023; Shi, Prentice, & He, 2022). Therefore, cashback often influences consumer behaviour by shaping the perception of savings rather than creating substantial financial gains.

**5.3 Threshold Spending and Reward Maximisation**

Many cashback programmes require consumers to spend a minimum amount before they become eligible for rewards. These minimum spending requirements, often referred to as spending thresholds, encourage users to increase the value of their purchases so they can qualify for cashback. Instead of buying only what they originally intended, consumers frequently add extra products or services to their shopping cart simply to unlock the reward. Research shows that threshold-based promotions are highly effective because consumers often view the additional spending as worthwhile if it leads to receiving cashback (Berman, 2022; Liu & Mattila, 2020).

From a psychological perspective, consumers often focus on maximising rewards rather than minimising total spending. The possibility of losing a cashback opportunity motivates many people to spend a little more, even when the extra purchase is unnecessary. Behavioural studies suggest that consumers are generally more concerned about missing out on a reward than about the additional amount they spend to obtain it. This makes cashback thresholds a powerful tool for increasing average transaction values (Kaur, Dhir, Talwar, & Ghuman, 2022; Zhang, Zhao, Cheung, & Lee, 2023).

Digital payment platforms carefully design these reward structures to encourage higher spending while making consumers feel that they are benefiting financially. Cashback campaigns often display messages such as "Spend ₹100 more to unlock cashback," prompting users to increase their purchases immediately. As a result, consumers may spend beyond their planned budget in pursuit of relatively small rewards. Research indicates that such promotional strategies increase both purchase frequency and transaction value by encouraging reward-seeking behaviour rather than need-based purchasing (Ma et al., 2024; Sharma, Sivakumaran, & Marshall, 2020). Therefore, threshold spending demonstrates how cashback programmes subtly influence consumer spending decisions while giving the impression of financial advantage.

### 5.4 Reference Pricing and Promotional Framing

Consumers rarely evaluate prices in complete isolation. Instead, they compare the current price of a product with a reference price, which may be based on previous purchases, competitors' prices, or promotional offers. Cashback programmes influence this comparison by making the effective price appear lower than the actual purchase price. Rather than focusing on the full amount they are paying, consumers mentally subtract the cashback they expect to receive, making the product seem like a better value (Berman, 2022; Zhang, Watson IV, Palmatier, & Dant, 2023).

Digital payment platforms strengthen this effect through promotional framing. Advertisements often highlight messages such as "Get 20% Cashback" or "Earn ₹500 Back" instead of emphasising the actual purchase cost. This presentation shifts consumers' attention towards the reward, encouraging them to judge the purchase based on the perceived benefit rather than the total amount spent. Research suggests that the way promotional offers are framed significantly affects consumer decision-making because people respond more positively to potential gains than to equivalent price reductions (Shi, Prentice, & He, 2022; Vana, Lambrecht, & Bertini, 2018).

As consumers repeatedly encounter these promotional messages, cashback becomes an important reference point in future purchasing decisions. Many users begin comparing platforms based on the rewards they offer instead of comparing the actual prices of products or services. This gradually changes how consumers evaluate value for money, making cashback an influential factor in their spending behaviour. Consequently, promotional framing and reference pricing work together to reduce consumers' focus on actual expenditure while increasing the attractiveness of reward-based purchases.

### 5.5 Long-Term Influence on Spending Behaviour

Although cashback rewards are usually offered as short-term promotions, their influence often extends far beyond individual transactions. Consumers who regularly receive cashback begin to expect rewards whenever they make digital payments. Over time, this expectation becomes a normal part of the purchasing process, making reward-based spending feel routine rather than exceptional. Studies suggest that repeated exposure to cashback encourages consumers to rely on reward-oriented payment methods and gradually shapes long-term spending habits (Talwar, Dhir, Kaur, Zafar, & Alrasheedy, 2021; Hassan & Dias, 2023).

As reward-based behaviour becomes more consistent, consumers may increasingly choose payment platforms that offer cashback, even when competing services provide similar functionality. This strengthens platform loyalty while reducing consumers' willingness to switch to alternative payment methods. Research indicates that repeated positive reinforcement through cashback encourages long-term engagement by creating habits that require little conscious decision-making (Verplanken & Orbell, 2022; Limayem, Hirt, & Cheung, 2017).

However, these long-term behavioural changes may also have financial consequences. When consumers become accustomed to making purchases in pursuit of rewards, they may gradually lose focus on budgeting and actual spending needs. Cashback begins to influence not only how people pay but also when, where, and how much they spend. Previous studies suggest that long-term exposure to reward-based payment systems can increase purchase frequency, encourage higher transaction values, and contribute to spending patterns that are driven more by promotional incentives than by genuine necessity (Prentice, Wang, & Loureiro, 2023; Ma et al., 2024). Therefore, while cashback strengthens customer engagement, it can also reshape consumer spending behaviour in ways that extend well beyond the immediate promotional period.

## CHAPTER 6: IMPULSE BUYING, EMOTIONAL SPENDING, AND OVERCONSUMPTION

### 6.1 Cashback and Impulse Buying

Impulse buying refers to purchases that are made suddenly and without prior planning, often driven by emotions rather than actual need. Unlike planned purchases, these decisions are usually influenced by attractive offers, promotional messages, or situations that encourage quick action instead of careful thinking. In digital payment environments, cashback has become one of the strongest triggers of impulse buying because it creates an immediate feeling of financial gain. Consumers often respond to cashback offers by making quick purchase decisions before taking the time to consider whether they actually need the product. Recent studies suggest that reward-based promotions increase impulsive buying by reducing careful decision-making and strengthening consumers' desire to receive instant benefits (Liu, Li, & Hu, 2023; Akram, Hui, Khan, Yan, & Akram, 2018).

The immediate nature of cashback rewards makes this behaviour even more likely. Digital payment platforms often display instant reward confirmations, promotional notifications, and limited-time cashback offers just before or immediately after payment. These features encourage consumers to complete purchases quickly instead of comparing alternatives or thinking through their decisions. Such promotional strategies create a strong sense of urgency while making the purchase appear even more rewarding. Research has shown that instant digital rewards generate positive emotional responses and increase consumers' willingness to make unplanned purchases, especially when the offers seem exclusive or available for only a short period (Chen & Yao, 2018; Sharma, Sivakumaran, & Marshall, 2020).

The rapid growth of online shopping has further increased the influence of cashback on impulse buying. E-commerce platforms frequently combine cashback offers with flash sales, personalised recommendations, and one-click payment options, creating an environment where consumers can make purchases within seconds. This reduces the time available for thoughtful decision-making while making rewards more visible and attractive. As people become used to receiving instant cashback during online shopping, spontaneous buying becomes more common and increasingly difficult to control. Therefore, cashback is no longer just a promotional strategy for increasing sales. It also acts as a behavioural trigger that encourages impulsive purchasing and strengthens this habit within digital commerce ecosystems (Kukar-Kinney & Close, 2020; Arora, Sahney, & Bhattacharya, 2022).

### 6.2 Fear of Missing Out and Urgency

Fear of Missing Out (FOMO) refers to the anxiety people experience when they believe they might lose a valuable opportunity if they do not act quickly. In digital payment ecosystems, cashback campaigns often make use of limited-time offers, countdown timers, and exclusive promotions to create this sense of urgency. Instead of carefully deciding whether a purchase is necessary, consumers may become more focused on securing the cashback before the offer expires. Research suggests that scarcity-based promotional strategies increase purchase intentions by making consumers feel that immediate action is necessary, reducing the time spent evaluating their decisions (Good & Hyman, 2020; Islam, Pitafi, Arya, Wang, Akhtar, & Mubarik, 2021).

Digital commerce platforms reinforce this behaviour by sending personalised cashback notifications, highlighting flash sales, and reminding users about reward deadlines through mobile applications. These features make offers appear both valuable and temporary, creating pressure to complete purchases without delay. As a result, emotions often play a greater role than logical thinking when consumers decide to buy something. Studies indicate that time-sensitive promotions increase emotional involvement while reducing careful comparison between different options, making spontaneous purchases more likely (Xu, Huang, & Li, 2022; Dhir, Talwar, Kaur, & Malibari, 2021).

The combination of cashback incentives and perceived scarcity encourages consumers to purchase products simply to avoid missing a good deal rather than because they genuinely need them. When people believe that waiting could mean losing valuable rewards, they often feel greater psychological pressure to buy immediately. This urgency weakens rational decision-making and increases the likelihood of unnecessary spending, especially in fast-moving digital marketplaces where promotional offers change frequently. Consequently, FOMO serves as an important psychological mechanism through which cashback strengthens emotional spending and encourages impulsive buying behaviour in digital payment environments (Kaur, Dhir, Talwar, & Ghuman, 2022; Zhang, Zhao, Cheung, & Lee, 2023).

### 6.3 Overconsumption in Digital Transactions

Overconsumption refers to the habit of purchasing more goods or services than people actually need or originally planned to buy, often leading to higher overall spending over time. In digital payment ecosystems, cashback incentives can contribute to this behaviour by encouraging consumers to make purchases more frequently. As people continue earning rewards on multiple transactions, they may become increasingly motivated to keep spending in order to maximise the benefits they receive rather than because they genuinely need the products. Research suggests that digital reward programmes reinforce this behaviour by encouraging repeated spending through recurring financial incentives and instant promotional feedback (Talwar, Dhir, Kaur, Zafar, & Alrasheedy, 2021; Ma et al., 2024).

Many cashback programmes also include minimum spending requirements or reward thresholds that encourage consumers to increase the value of their purchases. Instead of buying only the items they originally intended to purchase, people often add extra products simply to qualify for cashback or unlock higher reward levels. Although these additional purchases may seem financially beneficial at the time, they can gradually push consumers beyond their planned budgets. Studies have shown that threshold-based reward systems increase average transaction values because consumers are willing to spend more in exchange for relatively small financial incentives (Berman, 2022; Liu & Mattila, 2020).

The impact of these promotional strategies can be seen across many digital services, including e-commerce websites, food delivery apps, grocery platforms, ride-hailing services, and subscription-based applications. Continuous exposure to cashback offers across different platforms can make higher levels of spending feel normal rather than exceptional. Over time, consumers may become less aware of how much they are spending because their attention is directed towards the rewards they accumulate instead. As a result, cashback incentives can contribute to overconsumption by encouraging more frequent purchases, increasing transaction values, and reinforcing spending habits across everyday digital payment platforms (Sharma, Sivakumaran, & Marshall, 2020; Prentice, Wang, & Loureiro, 2023).

### 6.4 Post-Purchase Regret

Post-purchase regret refers to the negative emotions consumers experience after buying something they later feel was unnecessary, too expensive, or financially unwise. In digital payment environments, cashback incentives can contribute to these feelings because they often encourage purchases that are driven more by promotional rewards than by actual need. While cashback creates excitement and satisfaction at the time of purchase, these positive emotions may fade once consumers reconsider whether the product was truly worth buying. Research suggests that purchases motivated by rewards are more likely to lead to regret, especially when consumers later realise that cashback significantly influenced their decision (Dholakia, 2020; Hwang & Lee, 2022).

The excitement created by cashback offers is usually temporary. Once the purchase is complete and the reward has been received, consumers often begin to evaluate the transaction more rationally. At this stage, many realise that the cashback they earned was relatively small compared to the total amount they spent. This can make them question whether the purchase was genuinely worthwhile or whether they were mainly attracted by the promotional offer. Studies indicate that consumers who make purchases under strong promotional influence are more likely to experience dissatisfaction, cognitive dissonance, and regret after the initial excitement wears off (Kaur, Dhir, Talwar, & Ghuman, 2022; Ladeira, Santini, Pinto, & Araújo, 2022).

Repeated experiences of unnecessary spending can also create broader financial concerns, including feelings of guilt, reduced control over personal budgets, and increased financial stress. Consumers who frequently participate in cashback promotions may eventually realise that the total amount spent on reward-driven purchases is much greater than the value of the cashback they received. This highlights an important limitation of cashback programmes. While they successfully encourage spending and create short-term satisfaction, they may also contribute to longer-term emotional and financial consequences. The evidence suggests that although cashback incentives are effective promotional tools, they can reduce consumer well-being when purchasing decisions become driven more by rewards than by genuine needs (Talwar, Dhir, Kaur, & Mäntymäki, 2023; Ma et al., 2024).

## CHAPTER 7: GAMIFICATION, LOYALTY, AND HABIT FORMATION

### 7.1 Gamification in Digital Payment Platforms

Gamification refers to the use of game-like features in non-game environments to make everyday activities more engaging and enjoyable. In digital payment platforms, gamification is widely used to make financial transactions feel more interactive through features such as scratch cards, cashback wheels, coins, achievement badges, reward levels, and daily streaks. Instead of treating payments as ordinary financial tasks, these features turn them into experiences that create excitement and anticipation. Research suggests that gamification increases user engagement by satisfying people's desire for achievement, rewards, and continuous progress, encouraging them to return to the platform more often (Koivisto & Hamari, 2019; Hwang & Choi, 2020).

Many digital payment applications introduce these game-like rewards immediately after a transaction. For example, users may receive a scratch card after making a payment, collect coins that can later be redeemed for discounts, or unlock higher reward levels by using the platform regularly. These features provide instant positive feedback, making routine financial activities feel more enjoyable rather than purely functional. Studies show that such interactive reward systems increase users' enjoyment and motivate them to keep using digital payment platforms because they look forward to earning future rewards (Rodrigues, Oliveira, & Costa, 2021; Xi & Hamari, 2020).

Gamification also plays an important role in encouraging long-term engagement. Features such as daily streaks, milestone rewards, and personalised challenges motivate users to keep interacting with payment applications even when they do not have an immediate need to make a purchase. As consumers become invested in maintaining their progress or unlocking additional rewards, using the platform gradually becomes part of their everyday routine. Consequently, gamification has become an effective strategy for improving customer retention, strengthening platform loyalty, and encouraging continuous participation within digital payment ecosystems (Toda, Valle, Isotani, 2019; Hassan & Dias, 2023).

### 7.2 Reward-Based Consumer Loyalty

Reward-based consumer loyalty refers to the tendency of consumers to repeatedly choose the same platform because of the rewards and benefits it consistently offers. In digital payment ecosystems, cashback programmes have become one of the most effective ways to encourage repeat usage by rewarding customers after eligible transactions. Rather than seeing cashback as a one-time benefit, many consumers begin to associate ongoing rewards with greater overall value. This gradually increases their preference for platforms that regularly offer cashback incentives. Research suggests that reward-based loyalty programmes improve customer retention by increasing perceived value and encouraging repeated interactions with digital payment services (Dorotic, Bijmolt, & Verhoef, 2022; Melancon, Noble, & Noble, 2021).

Digital payment providers strengthen this loyalty by combining cashback with tiered reward programmes, exclusive membership benefits, and personalised promotional campaigns. As consumers continue collecting rewards, they often develop a stronger psychological connection with the platform because switching to another service would mean giving up accumulated benefits and future earning opportunities. Studies indicate that this continuous reinforcement encourages positive behavioural habits and increases platform commitment, even when competing services provide similar payment features. As a result, loyalty becomes increasingly driven by the expectation of future rewards rather than convenience alone (Kim & Ahn, 2021; Rather, Hollebeek, & Islam, 2019).

Repeated exposure to cashback also creates what can be described as a loyalty loop. Consumers continue using the same platform to earn more rewards, receive personalised offers, and maintain the benefits they have already accumulated. Over time, even relatively small cashback amounts become enough to sustain platform preference because users believe that remaining with the same service is financially beneficial. This continuous cycle of earning and redeeming rewards strengthens customer retention while reducing the likelihood of switching to competing payment platforms. Therefore, cashback serves not only as a short-term promotional strategy but also as a long-term tool for building consumer loyalty and encouraging sustained engagement within digital payment ecosystems (Leenheer, Bijmolt, van Heerde, & Smidts, 2021; Hwang & Choi, 2020).

### 7.3 Habit Formation Through Rewards

Habit formation is the process through which repeated behaviours gradually become automatic and require very little conscious thought. In digital payment ecosystems, cashback incentives contribute to this process by consistently rewarding consumers after they complete transactions. As users repeatedly receive cashback, reward credits, or promotional benefits, they begin to expect rewards whenever they make digital payments. Over time, this expectation becomes part of their normal payment routine. Research suggests that repeated digital rewards strengthen behavioural patterns by encouraging automatic responses and increasing regular engagement with payment platforms (Verplanken & Orbell, 2022; Limayem, Hirt, & Cheung, 2017).

As these habits develop, consumers may stop actively comparing different payment methods and instead automatically choose the platform that has rewarded them consistently in the past. The expectation of earning cashback becomes a natural part of the decision-making process, making reward-seeking behaviour almost automatic. Studies show that repeated positive reinforcement increases behavioural automaticity while reducing the amount of conscious effort consumers invest in making payment decisions (Anderson & Srinivasan, 2021; Hamari, Shernoff, Rowe, Coller, Asbell-Clarke, & Edwards, 2019).

Over time, these habits can lead to greater dependence on reward-based payment applications for routine financial activities. Digital payment platforms reinforce this dependence through personalised cashback campaigns, regular promotional offers, and ongoing reward notifications that encourage continued participation. As a result, consumers may continue choosing reward-oriented payment methods even when cashback benefits are relatively small or when purchases are not immediately necessary. Habit formation therefore represents one of the most significant long-term effects of repeated cashback exposure, showing how promotional rewards can influence consumer behaviour well beyond individual transactions (Hassan & Dias, 2023; Rodrigues, Oliveira, & Costa, 2021).

### 7.4 Consumer Stickiness in Reward Ecosystems

Consumer stickiness refers to the tendency of users to continue using the same digital platform over a long period, making them less likely to switch to competing services. In digital payment ecosystems, cashback programmes, loyalty points, platform coins, and similar reward mechanisms play a major role in creating this stickiness. As consumers accumulate rewards through repeated transactions, they begin to see greater value in staying with the same platform because changing providers could mean losing both existing benefits and future earning opportunities. Research suggests that digital reward ecosystems improve customer retention by increasing switching costs and strengthening users' commitment to a particular platform (Xu, Peak, & Prybutok, 2022; Hwang & Choi, 2020).

Many digital payment applications further strengthen consumer stickiness by designing reward systems that are exclusive to their own platforms. Cashback balances, loyalty points, vouchers, and digital coins can usually be redeemed only within the same ecosystem, giving consumers additional reasons to remain active. These platform-specific rewards create both psychological and financial incentives that make switching to another payment service less attractive, even when competing platforms offer similar features. Studies show that accumulated rewards and exclusive redemption opportunities significantly increase consumers' intention to continue using the same platform because they perceive greater long-term value and convenience (Rodrigues, Oliveira, & Costa, 2021; Leenheer, Bijmolt, van Heerde, & Smidts, 2021).

The long-term effects of consumer stickiness go beyond simple customer retention. As users become increasingly invested in maintaining their accumulated rewards and preserving their progress within the platform, they become less willing to explore alternative payment options. While this benefits digital payment providers by improving customer retention and lifetime value, it may also reduce consumers' ability to evaluate competing services objectively. Consequently, reward ecosystems can gradually limit consumer flexibility by encouraging platform dependence, where continued usage is influenced not only by service quality but also by the desire to protect accumulated rewards and future incentives. This demonstrates that consumer stickiness is one of the key strategic outcomes of reward-based digital payment systems, benefiting platforms while potentially reducing consumers' freedom to make completely independent choices (Talwar, Dhir, Kaur, & Mäntymäki, 2023; Verhoef, Kannan, & Inman, 2021).

## CHAPTER 8: TRUST, PRIVACY, SECURITY, AND PLATFORM INFLUENCE

### 8.1 Trust in Financial Technology

Trust is widely recognised as one of the most important factors influencing the adoption and continued use of digital payment platforms. Since digital transactions involve sensitive personal and financial information, consumers are more likely to use platforms they believe are secure, reliable, and transparent. When users trust a platform to protect their data, process payments accurately, and resolve issues efficiently, they feel more confident about carrying out digital transactions. Research suggests that trust plays a major role in encouraging both the adoption and long-term use of financial technology by reducing perceived risk and increasing confidence in digital payment systems (Al-Okaily et al., 2023; Pal et al., 2021).

Beyond technical security, positive user experiences also help build trust over time. Timely cashback payments, transparent promotional policies, and consistently delivered rewards reassure consumers that the platform fulfils its promises. When users repeatedly receive cashback without delays or complications, their confidence in the platform grows, making them more likely to continue using its services. Studies indicate that these positive experiences strengthen both cognitive trust, which is based on competence and reliability, and affective trust, which develops through satisfaction and positive emotions from previous interactions. Together, these forms of trust encourage stronger and longer-lasting relationships between consumers and digital payment providers (Liébana-Cabanillas, Molinillo, & Ruiz-Montañez, 2021; Singh, Sinha, & Liébana-Cabanillas, 2020).

Trust also affects how confidently consumers make financial decisions using digital payment applications. People who believe a platform is trustworthy are more willing to make high-value transactions, save their payment details, and explore additional financial services offered within the same ecosystem. On the other hand, concerns about fraud, privacy, or transaction failures can discourage platform usage regardless of how attractive the cashback offers may be. Therefore, trust forms the foundation of digital payment ecosystems by supporting both the adoption of digital payments and consumers' willingness to engage with reward-based financial services. While cashback may attract users initially, long-term engagement ultimately depends on the confidence consumers have in the platform's security, reliability, and integrity (Merhi, Hone, & Tarhini, 2019; Chong et al., 2021).

### 8.2 Privacy and Data-Driven Personalization

Digital payment platforms increasingly rely on consumer data to deliver personalised services and promotional offers. Information such as transaction history, spending habits, purchase frequency, preferred merchants, and payment behaviour helps platforms create cashback offers that are tailored to individual users. By analysing this data, payment providers can recommend rewards that match consumers' interests and preferences, making promotional campaigns more relevant and appealing. Research suggests that personalised financial services improve customer engagement because consumers are more likely to respond to offers they consider useful and timely (Yang et al., 2023; Jaiswal, Mohan, & Deshmukh, 2023).

Personalisation also increases the effectiveness of cashback programmes by offering rewards that closely match users' purchasing behaviour. Instead of giving the same offers to every customer, digital payment platforms use data-driven algorithms to customise promotions based on previous spending patterns, favourite product categories, and transaction frequency. This targeted approach makes consumers more likely to redeem rewards while increasing their overall satisfaction with the platform. Studies indicate that personalised reward systems improve user engagement because people generally perceive customised offers as more valuable than generic promotional campaigns (Yang et al., 2023; Rahman et al., 2024).

Despite these advantages, extensive data collection raises important concerns about consumer privacy. Many users are unaware of the amount of financial and behavioural information that platforms analyse to create personalised cashback offers and recommendations. Questions about how data is stored, shared, and protected have therefore become increasingly significant within digital payment ecosystems. While data-driven personalisation improves the effectiveness of reward programmes, maintaining transparency, protecting user privacy, and ensuring responsible use of financial data remain essential for preserving consumer trust and supporting the sustainable growth of digital payment systems (Al-Hattami et al., 2023; Chin, Harris, & Brookshire, 2022).

### 8.3 Security Concerns in Digital Payments

As digital payment systems continue to expand, security has become one of the most important factors influencing consumer confidence and platform adoption. Security concerns mainly include risks such as fraud, phishing attacks, identity theft, unauthorised transactions, and misuse of personal financial information. Since digital payments involve the electronic transfer of sensitive data, consumers are naturally more willing to use platforms that demonstrate strong security measures and effective risk management. Research consistently identifies perceived security as one of the strongest factors influencing both the adoption and continued use of digital payment services (Lai & Liew, 2021; Chin, Harris, & Brookshire, 2022).

To address these concerns, digital payment providers have introduced advanced security technologies such as biometric authentication, multi-factor authentication, encryption, and real-time fraud detection systems. These features reduce the perceived risk associated with online transactions while assuring users that their financial information is well protected. As confidence in platform security increases, consumers become more comfortable making higher-value transactions and storing payment details for future use. Studies show that strong security measures directly support both the initial adoption and continued use of digital payment platforms (Alamleh, AlQahtani, & Al Smadi, 2023; Al-Okaily et al., 2022).

Although cashback offers and promotional rewards encourage consumers to use digital payment platforms more frequently, they should never distract users from the importance of online security. Attractive rewards may motivate people to complete transactions quickly, but responsible platform design requires that promotional features operate alongside strong privacy protections and transparent security practices. Therefore, maintaining high security standards remains essential for ensuring that reward-based digital payment ecosystems continue to provide both convenience and long-term financial safety (Lai & Liew, 2021; Al-Hattami et al., 2023).

### 8.4 Platform Design and Consumer Autonomy

Digital payment platforms increasingly use behavioural design strategies that influence consumers' purchasing decisions while still giving them the feeling that they are making completely independent choices. Cashback campaigns are often limited to selected merchants, specific product categories, minimum purchase values, or fixed promotional periods. Although these conditions are presented as opportunities to save money, they also encourage consumers to buy certain products or use preferred partner networks. Research suggests that platform design plays a major role in shaping consumer behaviour by carefully structuring the environment in which purchasing decisions are made (Yang et al., 2023; How to Improve User Engagement and Retention in Mobile Payment, 2023).

Reward ecosystems further influence consumer behaviour through features such as expiring cashback balances, platform-specific coins, redemption thresholds, and exclusive promotional conditions. These mechanisms encourage users to keep returning to the same platform so they do not lose accumulated rewards or future benefits. Rather than forcing consumers to behave in a particular way, digital payment platforms subtly guide decision-making by making certain purchasing choices appear more rewarding and financially beneficial than others. Studies indicate that these behavioural design strategies successfully improve customer retention while encouraging continued participation within digital payment ecosystems (Yang et al., 2023; Rahman et al., 2024).

Although these reward mechanisms strengthen customer engagement and improve platform loyalty, they also raise important questions about consumer autonomy. As purchasing decisions become increasingly influenced by platform rules, promotional conditions, and reward structures, consumers may gradually adjust their spending habits without fully recognising these behavioural influences. Instead of making decisions based solely on genuine needs, users may begin focusing more on maximising rewards and maintaining platform benefits. Consequently, platform design has become a powerful factor influencing consumer behaviour within digital payment ecosystems, demonstrating that while cashback programmes provide clear advantages, they can also subtly shape consumer choices in ways that are not always immediately apparent.

# CHAPTER 9: DISCUSSION, CONCLUSION, AND RECOMMENDATIONS

## 9.1 Discussion of Key Findings from Literature

The literature reviewed in this study shows that cashback incentives have a significant influence on consumer spending behaviour within digital payment ecosystems. Although cashback is generally introduced as a financial benefit, the studies examined in this review suggest that its impact goes well beyond simple monetary savings. Cashback shapes the way consumers make purchasing decisions, influences their spending habits, and encourages long-term engagement with digital payment platforms.

One of the most consistent findings across the literature is that cashback encourages consumers to make digital transactions more frequently. Receiving an immediate reward after completing a purchase creates positive reinforcement, making consumers more willing to continue using the same payment platform. As a result, cashback programmes help strengthen customer loyalty while encouraging repeated platform usage.

The literature also indicates that cashback reduces consumers' price sensitivity by shifting their attention away from the actual cost of a purchase and towards the value of the reward they receive. When combined with the convenience of digital payments, cashback further reduces the psychological discomfort associated with spending money, making transactions feel easier and more rewarding than traditional cash payments.

Another important observation is that reward-based systems influence consumer behaviour through several psychological mechanisms, including impulse buying, habit formation, and gamification. Features such as scratch cards, reward coins, personalised offers, and limited-time cashback campaigns encourage consumers to make quicker purchasing decisions while increasing their engagement with digital payment platforms. Over time, these repeated rewards strengthen platform loyalty and encourage habitual use of digital payment services.

However, the literature also highlights several concerns associated with cashback incentives. While these rewards encourage consumer engagement, they may also lead to unnecessary purchases, increased overall spending, and post-purchase regret. Many consumers become more focused on the rewards they receive than on the total amount they spend, which can weaken budgeting habits and reduce financial self-control. In addition, platform design and personalised reward systems may subtly influence consumer choices without users fully recognising these behavioural effects.

Overall, the reviewed literature suggests that cashback incentives are powerful tools that influence consumer behaviour through a combination of financial, psychological, and technological factors. While they successfully promote digital payment adoption and increase user engagement, they also highlight the importance of responsible consumer decision-making and ethical platform design to ensure that promotional rewards do not encourage excessive or irrational spending.

**9.2 Scope for Future Research**

This study has reviewed existing literature on the influence of cashback incentives on consumer spending behaviour within digital payment systems. Although previous research has provided valuable insights into consumer psychology, reward mechanisms, and digital payment adoption, several important areas remain open for future investigation.

Future studies could compare the influence of cashback incentives across different demographic groups, including age, gender, income level, education, and occupation. Consumers with different levels of financial literacy, spending habits, and purchasing preferences may respond differently to reward-based promotions. Understanding these demographic differences could provide a more detailed picture of how cashback affects various sections of society.

Another promising area for future research is the individual study of different types of digital rewards. Instead of treating all reward systems as a single category, researchers could separately examine cashback, loyalty points, platform coins, referral bonuses, gamified rewards, and Buy Now Pay Later (BNPL) incentives. Since each of these reward mechanisms operates differently, studying them individually could provide a deeper understanding of their specific effects on consumer behaviour.

Future researchers may also strengthen the existing literature by collecting primary data. While this study is based on secondary sources, future work could use surveys, questionnaires, interviews, or experimental research involving actual users of digital payment platforms. Such studies would provide direct empirical evidence to support or refine the findings discussed in this review.

Cross-country comparative research also presents valuable opportunities. Consumer attitudes towards cashback, digital payments, and financial incentives may vary across countries because of differences in culture, technology, and economic conditions. Comparing reward-based spending behaviour across different markets would help improve the understanding of how digital payment ecosystems operate globally.

Finally, future studies could explore the long-term impact of reward-based payment systems on financial well-being, budgeting behaviour, and responsible spending practices. As digital payment technologies continue to evolve, further research will be essential for understanding how emerging reward strategies influence consumer decision-making while supporting both innovation and responsible financial behaviour.

**9.3 Conclusion**

The rapid growth of digital payment systems has transformed the way consumers carry out financial transactions, with cashback incentives emerging as one of the most influential promotional strategies used by digital payment platforms. Based on the literature reviewed in this study, it can be concluded that cashback incentives play an important role in shaping consumer spending behaviour by influencing both financial decision-making and psychological responses during the purchasing process.

The findings suggest that cashback rewards reduce consumers' price sensitivity by increasing the perceived value of purchases and making higher levels of spending seem more acceptable. Digital payment methods also reduce the psychological discomfort associated with spending money, while cashback further encourages consumers to focus on the rewards they receive instead of the actual amount they spend. Together, these factors contribute to greater engagement with digital payment platforms.

The literature further demonstrates that cashback programmes influence consumer behaviour beyond individual purchases. Reward systems encourage platform loyalty, repeated usage, habit formation, and greater participation within digital payment ecosystems. Features such as personalised offers, gamification, loyalty rewards, and platform-specific incentives strengthen long-term engagement while increasing the overall attractiveness of digital payment applications.

However, the review also highlights several concerns. Cashback incentives may encourage impulse buying, unnecessary purchases, and overconsumption, especially when consumers prioritise rewards over genuine needs. Psychological mechanisms such as reduced pain of paying, mental accounting, and reward-based decision-making can weaken financial self-control and contribute to budgeting errors. In addition, platform design, personalised marketing, and reward ecosystems may subtly influence consumer choices, emphasising the need for responsible business practices and greater consumer awareness.

Overall, the evidence suggests that cashback incentives are highly effective in promoting digital payment adoption and improving customer engagement. At the same time, consumers should remain aware that reward-based promotions can influence spending decisions in ways that are not always financially beneficial. Digital payment providers should therefore ensure that cashback programmes remain transparent, ethical, and supported by strong privacy and security measures. Maintaining the right balance between innovation, consumer satisfaction, and responsible financial behaviour will be essential for the sustainable growth of reward-based digital payment systems in the future.

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