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Abstract  
Every investor strives to choose the best investments with an aim to reap greater future benefits. Behavioural finance argues that an investor's decision-making process for investments is influenced by a complex mixture of factors that have a role in an investor's decision-making process. The literature shows that, in general, the study of behavioural aspects in financial markets is somewhat of an emerging concept and the determinants are not considerably addressed; there are few studies on determinants of individuals' investment decision-making, which makes academic research in this area necessary to establish the determinants on individuals' investment decision-making. This conceptual study uses the contemporary behavioural finance theory to present a broader/ comprehensive model of determinants of investor behaviour, considering the moderating role of financial literacy and fundamental market anomalies on the relationship between such determinants and individual investment decision-making for Iraqi investors.

Keywords: Individual Decision Making, Financial Literacy, Fundamental Anomalies, Accounting Information, Self/Firm Image

Introduction  
Individuals' involvement in financial markets through buy and sell stocks has increased significantly in recent years (Raut, 2020). Investment decision making is defined as "how investors analyse, predict, interpret, and evaluate decision-making procedures such as information collection, identification and comprehension, review, and analysis" (Xiao & Yue, 2018, p. 107). Every investor strives to choose the best investments (Ahmed and Shah, 2022). Advanced financial understanding is necessary for making optimal and reasonable investment
selections (Xiao & Yue, 2018). Making the choice to invest in the stock market is a challenging endeavour that needs a clear perspective and a logical thinking (Ahmad & Shah, 2022). Individual investors need information with specialised content for the purchasing and selling procedure in stock markets (Naveed et al., 2020). Investment decision-making is still a fuzzy concept; despite extensive discussion of its many facets, no objective guidelines or theories have yet been developed (Ahmad & Shah, 2022). The economy and stock market are positively correlated; a decline in the stock market will hinder the expansion of the economy, and vice versa. Therefore, judgments made by individual investors on stock exchanges are crucial in determining market development, which then controls the economy (Tooranloo et al., 2020).

Behavioural finance looks at an investor’s market behaviour and how they make judgments about whether to buy, sell, or hold onto their shares. Schools of contemporary thought in the context of behavioural finance, including bounded rationality (Simon, 1955), cognitive dissonance (Hardyck, 1965), prospect theory (Kahneman & Tversky, 1979), and heuristics (Tversky & Kahneman, 1974), are in contradiction with traditional finance and reveal that these hypotheses are incoherent and unable to explain why investors behave in such an unpredictable way. Furthermore, it claims that people hardly have enough information, free time, or incentive to come to a fully logical conclusion (Haritha & Uchil, 2020a). It is suggested that a number of factors, such as investment prospects, the patterns and behaviours of other market participants, market fluctuations, and benchmark performance, have an impact on investor behaviour in the market (Filip et al., 2015). This viewpoint contends that the process of decision-making by investors not only relies on quantitative and rational analysis, but also takes into account elements brought on by market expectations (Khawaja & Alharbi, 2021). Consequently, a complicated combination of market conditions, personal traits, and demography have a role in an investor's decision-making process (Sachdeva et al., 2022).

Studying direct relationship between determinants of investor behaviour and individual's investment decision making does not provide a whole picture of the determinants of individual’s investment decision making (Ahmad & Shah, 2022). This is because, the moderating effects could alter the relationships between determinants of investor behaviour and investment decision-making of individuals’ investors (Ahmad, 2022). In this context, it’s argued that financial literacy has a statistically significant and favourable influence on investment decisions for both female and male investors. Financial literacy is “a combination of awareness, knowledge, skill, attitude and behaviour necessary to make sound financial decisions and ultimately achieve individual financial wellbeing” (Kishan & Alfan, 2019, p. 26). When it comes to influencing investing decisions, financial literacy is the most crucial aspect for both male and female investors (Adil et al., 2022a). As financial literacy significantly alters the relationship between individual’s behavioural bias and investment decision, it can also be claimed that highly financially literate investors do not exhibit the behavioural bias impact when making an investment decision (M. Ahmad, 2022). Financial literacy improves investors' ability to identify their personal financial needs and make wise investment decisions to buy or sell stocks that are in line with their objectives to maximise returns and minimise risks (Ahmad & Shah, 2022). Financial literacy also helps investors understand accounting information and follow up on other information in the media (Kishan & Alfan, 2019). Financial literacy can also assist investors in understanding the firm's position in the industry, becoming more knowledgeable about the firms' goods and services, and predicting the profitability of
the firm (Siyanbola & Fregene, 2019). Additionally, financial literacy plays a significant role in the forecasting of investments (Adil et al., 2022b).

In the same context, anomaly is defined as any that is unusual, irregular, or deviates from the known natural order of things (Reisenzein et al., 2019). Anomalies in the securities markets are unmistakable evidence of market inefficiency. Such inefficiencies may be one-time occurrences or occur on a regular basis. Tversky and Kahneman (1986) explain that market anomalies occur when trading activities deviate significantly from the usual pattern of trading activities on a regular, widespread, and almost systemic basis, such that ignoring such deviations undermines the fundamental assumptions and violates the normative principles of the securities market. Finance theories have attempted to explain such anomalies as aberrant share price performance by pointing to deviations from the tested assumptions of the efficient market hypothesis (Raza et al., 2016). As a result, experts believe that stock market anomalies in the form of unusual price fluctuations are market behaviours that cannot be explained by the efficient market hypothesis (Khazali & Mirzaei, 2017). Market anomalies are certainly abnormal outcomes of market participants' aberrant behaviour. Previous research has consistently shown that both buyers' and sellers' behavioural biases combine to degenerate into market oddities, which strongly impact individual investors' decisions (Oehler et al., 2018; Salzman & Zwinkels, 2017). Based on the discussion above, this study seeks to achieve the following objectives:

- To identify the determinants of individual's investment decision-making of Iraqi investors; and
- To discuss the moderating role of financial literacy and fundamental market anomalies in the relationship between determinants of investor behaviour and individual investment decision-making of Iraqi investors.

**Individual Investment in Iraq**

Individual direct investment is the size of investments that individual investors make by providing capital funding in exchange for an equity interest in a company's stock (Ahmad, 2022). According to United Nations Conference on Trade and Development (UNCTAD) 2022, World Investment Report, individual direct investments for stock 2021 in Iraq according to the to the latest data available, stood at USD 2,613 billion in 2021. Since 2016 the individual direct investments for stock have been negative (Table 1). Table 1 also shows that individual direct investments for stock 2016-2012 were positive in Saudi Arabia, Jordan, UAE and Syria. Even when comparing to Syria which compatible with the conditions of Iraq, as a country with conflict, the individual direct investments for stock in Syria were positive between 2016 and 2021, while was negative in Iraq. Further, even when compared to Iran, which is subject to an international economic blockade, the individuals' investments in Iran were positive between 2016 and 2021. Thus, Table 2.3 shows that Iraq has the lowest individual investments of all its neighbours (UNCTAD, 2022). Furthermore, Alyousfi (2021) stated the individuals' investments in Iraq were negative in 2020 and accounted for (-0.05) of the world's individuals' investments.
Table 1: Individual direct investments 2016-2022 in In Iraq and neighbour countries (Million USD)

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Source: UNCTAD, 2022, (b=Estimated)

International reports indicate that Iraq has had trouble attracting direct investments because of its substantial security problems, fragile institutions, and lack of governance (UNCTAD, 2018, 2022; World Bank, 2019). Iraq is also facing the daunting challenges of political upheaval and profound economic and humanitarian crises (UNCTAD, 2020). Furthermore, the COVID-19 pandemic and the subsequent sharp decline in global oil prices, which has resulted in a significant decline in oil export revenues, continue to reverberate in Iraq (US department of State, 2022). The Iraqi government has been covering a large fiscal deficit by borrowing domestically and drawing on its foreign reserves. In December 2020, the GOI devalued Iraq's dinar by 22% to forestall a liquidity crisis. This has raised domestic prices for food and other commodities in Iraq's import-dependent economy (US department of State, 2022). In the same context, the common individual investors in ISX are uncomfortable investing in the market due to the supremacy of big individual and institutional investors (Asad et al., 2018). For example, the total number of registered individual investors is almost 0.15 million, whereas there are almost 22.5 million fixed deposits in banks (ISX, 2022). This indicates that ISX is unsuccessful in attracting a major portion of the investor base.

**Behavioural Finance Theory**

A component of today's accounting and financial management concerns is behavioural finance, which takes a psychological approach to looking at how financial markets behave (Sachdeva et al., 2021). The theory of behavioural finance presented by Tversky and Kahneman (1974) has been used to discuss the individual's decision-making behaviour relating to investment, buying and selling in stock market. Academics, researchers, and financial specialists disagree on the behavioural component of the finance literature (Chauhan et al., 2020). According to behavioural finance theory, an investor's decision-making process for investments is influenced by a complex mixture of demographics (Maxfield et al., 2010; Ozmen & Sumer, 2011); personal characteristics (Chitra & Ramya Sreedevi, 2011; Young et al., 2012); and market factors (Ferguson et al., 2011). The theory of behavioural finance is the most comprehensive, structured, and pertinent to individuals investors' decision-making attitude on stocks (Sachdeva et al., 2022). Behavioural finance theory contends that people do not always make rational decisions and that their decisions are influenced by factors such as economic conditions, opinions of firms/families, the firm's reputation, etc., behavioural finance theory thus considers the psychology and social context of individuals' decision-making (Sachdeva et al., 2021; Sachdeva et al., 2022). The goal of behavioural finance theory is to shed light on the use of psychological decision-making processes in the identification and forecasting of financial markets, not to disprove the validity of rational behaviour (Lee et al., 2008).
The behavioural finance theory contested with the traditional financial theories and proposed psychological and behavioural factors as key drivers for individuals' investment decisions. This is in contrast to conventional financial theories that have argued that investors are rational, their decisions are driven by the information available in the market, and these investors react rationally based on their own sets of information, regardless of how other investors act (Khawaja & Alharbi, 2021). The focus of investor decision-making research has recently switched from the conventional method to behavioural finance research (Adil et al., 2022a; Ahmad & Shah, 2022; Jain et al., 2021; Jain et al., 2022). It's argued that individual characteristics play a critical role in decision-making (Jain et al., 2022). Furthermore, both internal and external behavioural aspects have a significant impact on investors' financial decisions (Adil et al., 2022b; Patil & Bagodi, 2021); thus, studies on behavioural finance have been expanding quickly in recent years. The behavioural finance theory, therefore, constitutes the framework for the analysis conducted in this study.

Many contextual factors, such as stock brokers, financial consultants, and investment advisors, have been highlighted by contextual sources in previous studies as having the potential to affect individuals' investment decisions (Chandra & Kumar, 2012; Khawaja & Alharbi, 2021). Moreover, financial information about the entity, more recent, significant, and unbiased information referred to as neutral information, firm's reputation and track record, behavioural aspects of people and the extent to which their decisions are influenced by friends, family, and advisors, the relative importance they attach to the financial statements of the firm, recent changes in investment price, past performance of the investment, environmental and ethical concerns of the firm, etc. (Khawaja & Alharbi, 2021; Sachdeva et al., 2022). Such factors are contextual in nature, aim to shed light on a number of different characteristics, giving a thorough picture of investor behaviour by integrating several domains.

Determinants of Investor Behaviour

Investment decision making is how investors analyse, predict, interpret, and evaluate decision-making procedures such as information collection, identification and comprehension, review, and analysis (Xiao & Yue, 2018). Choosing to invest in the stock market is a difficult task that requires reasoning and a clear perspective (Ahmad & Shah, 2022). Schools of contemporary thought in the context of behavioural finance focuses at an investor’s market behaviour and how they make decisions about whether to buy, sell, or keep onto their shares. The theory of behavioural finance provides the broadest, most organised understanding of the variables affecting individual investors' decision-making (Sachdeva et al., 2022). The theory suggests that individual investment decisions may be influenced by a variety of variables, including investment prospects, other market players' patterns and behaviours, market changes, and benchmark performance (Filip et al., 2015). Furthermore, the theory contends that a person’s investment choices are also influenced by the economy, attitudes of businesses and families, a company's reputation, etc (Sachdeva et al., 2021; Sachdeva et al., 2022). According to this argument, investors' decision-making process include factors resulting from market expectations in addition to quantitative and rational analyses (Khawaja & Alharbi, 2021). Consequently, an investor's decision-making is influenced by a complex interplay between market conditions, personal characteristics, and demography (Sachdeva et al., 2022).

Using the contemporary behavioural finance theory, In their studies, Sultana and Pardhasaradhi (2012), Khawaja and Alharbi (2021) and Sachdeva et al. (2022), respectively,
identified five key factors that could affect individual's investment decisions: (i) self-image/firm-image coincidence; (ii) accounting information; (iii) neutral information; (iv) advocate recommendation; and (v) personal financial needs. These chosen factors have a contextual nature, and considers determinants of investor behaviour as a set of these five main factors. According to this study, these five factors can shed light on a wide range of subjects and provide a comprehensive view of investor behaviour by taking into account a variety of domains. In the following, this study describes the five determinants of investor behaviour in details.

**Self-Image/Firm-Image coincidence**
Self-Image/Firm-Image coincidence is defined as "investors' concerns toward firm status in the industry, perceived ethics of firm, community involvement, feelings for products of firm, firm's reputation, product safety, and quality, and the firm’s environmental activities" (Sachdeva et al., 2022, p. 5). Studies cited in earlier literature show that investor risk and return evaluation is significantly influenced by the firm's image (Sastry and Thompson, 2019). For instance, Khawaja and Alharbi (2021) report that investor behaviour in the stock market is significantly influenced by knowledge about the product and service, expectations of becoming wealthy rapidly, shareholders, the firm's reputation in the industry, and the firm's status. According to Ameur et al. (2019), the firm's environmental disclosure quality has a sizable impact on the quality of its profitability. This is because investors want to direct their money toward worthwhile initiatives that will benefit society and the environment and avoid engaging in harmful externalities (Siyanbola & Fregene, 2019).

**Accounting Information**
Accounting information is defined as "all factors ranges from financial statements, marketability of stock, earnings and affordability of investment to expected corporate earnings, the volume of shares and market value of shares (Sachdeva et al., 2022, p. 4). Past Studies demonstrate that accounting information has a substantial impact on investor investing decisions. For instance, decision-makers discuss accounting information, possibilities generated from it, and the reasoning applied to the development of information (Saukkonen et al., 2018). Investors will encourage to invest where there is trustworthy, timely, and accurate financial information (Bui et al., 2020). Financial statements provide accounting information that is value relevant, which enables one to determine a firm's value (Kishan & Alfan, 2019). The most crucial sources of information for determining a company's value are annual reports (Jain et al., 2021). Similar to this, research indicates that investors are most impacted by elements including the stock's past performance, expected corporate earnings, and financial statements, and that investors devote a significant amount of time to analysing such data (Patil & Bagodi, 2021). Therefore, it's crucial that all accounting information be disclosed so that investors can make informed investment decisions (Siyanbola & Fregene, 2019).

**Neutral Information**
Neutral information is defined as "outside sources of information that is perceived to be unbiased such as recent price movements, changes in economic indicators, government holdings in investment, statements from government officials, information from the internet etc." (Sachdeva et al., 2022, p. 5). According to literature, individual investors value stocks without using valuation models, instead considering current economic indicators like the
GDP, inflation rates, and others (Haritha & Uchil, 2020b). According to Khawaja and Alharbi (2021), neutral information has the greatest influence on investor behaviour. They are, however, given less weight than the company's management or recent price changes for the shares (Sachdeva et al., 2022). Stock exchanges, brokerage firms, banks, and investment businesses might use media postings as sources of information regarding their financial products (Sachdeva et al., 2021). Additionally, previous research showed that investors' decisions are influenced by the inflation rate’s impact on nominal interest rates and stock returns in the stock market (Naveed et al., 2020). Previous research has also shown that economic indicators have shown to be a more important element in investment decision-making (Sultana & Pardhasaradhi, 2012).

Advocates recommendations is defined as "recommendations from financial advisors, recommendations from family members and recommendations from friends or co-workers, which reduces the possibility of losses (Sachdeva et al., 2022, p. 6). Investors seek social interaction to get advices and recommendations from others to lessen uncertainty because personal knowledge and experience aren’t always enough to make the best judgments (Adil et al., 2022b). These advices or recommendations allow individual investors to generate returns that are above average (Sachdeva et al., 2022). Therefore, past studies suggests that investors have to seek advices and recommendation from investing professionals (Patil & Bagodi, 2021). According to Haritha and Uchil (2020b), among the sources of awareness, advocate recommendations and social interaction have the most sway. Similar to this, Haritha and Uchil (2020a) claim that investor sentiment can be influenced by advocate recommendations. Advocates' recommendations have significantly influenced equity selections and investing choices (Sachdeva et al., 2021). Additionally, social interaction has a big impact on what investors do (Haritha & Uchil, 2020b).

Personal financial needs is defined as "the needs of individuals such as the need to diversify the funds, risk minimization and ease of obtaining borrowed funds, risk aversion, wealth maximization and financial expectation" (Sultana & Pardhasaradhi, 2012). Past studies provide evidence regarding the immediate consumption needs of investors as investors’ need for getting immediate returns turns out to be one of the most influencing factors in equity selections (Sachdeva et al., 2022). The preference of the cumulative level of risk by the investor is considered consider important to make investment decision, and it depends mostly upon the ability of the investor to calculate and manage the risk (Adil et al., 2022a). The loss aversion enhance investor tendency toward diversification of investment, this is because diversification needs help investors avoid losses, and as a result, diversification needs have an impact on how investors make investment decisions (Tooranloo et al., 2020). Some studies give emphasis to attractiveness of non-stock investment as driver of investment decision (Gunathilaka, 2014; Khawaja & Alharbi, 2021; Sachdeva et al., 2022). Easy of obtaining borrowed fund is also a key factor in encouraging investment choices and enabling investors to profit from investment opportunities (Khawaja & Alharbi, 2021).

Financial literacy as a moderator
Financial literacy is defined as “a person’s ability to understand and make use of financial concepts” (Ahmad & Shah, 2022, p. 67). Financial literacy also defined as “a combination of
awareness, knowledge, skill, attitude and behaviour necessary to make sound financial decisions and ultimately achieve individual financial wellbeing” (Kishan & Alfan, 2019, p. 26). Financial literacy is not just related to knowledge, but it is also important to understand individuals' self-confidence. According to Ahmad and Shah (2022), financial literacy includes two key components: first, comprehension or knowledge of personal finance, and second, application of that knowledge. Poor investment choices and bad financial behaviour have been attributed to financial illiteracy (Ahmad, 2022). Individual investors can maximise their earnings and allocate their resources more wisely by being financially literate (Dinç Aydemir & Aren, 2017). Financial knowledge influences investment decisions favourably and helps people get the most out of their assets (Aren & Aydemir, 2015).

According to the findings of Adil et al. (2022a) financial literacy is the most important factor influencing investment decisions for all investors at the time of making an investment, because financial literacy can strengthen investor knowledge and skills to understand financial statements, marketability of stock, expected corporate earnings, and market value of shares. It can also be said that highly financially literate investors reduce the behavioural bias effect while making an investment decision; thus, financial literacy considerably reduce the negative relationship between people's behavioural bias and investment decision (Ahmad, 2022). Financial literacy also strengthens investors ability to follow up other information in the media, recent price movements, changes in economic indicators, government holdings in investment, statements from government officials (Ahmad & Shah, 2022). Similarly, financial literacy strengthens investors ability to identify their personal financial needs and make sound investment decision-making to buy or sell stocks, which fit their goals in maximise returns and minimise risks (Kishan & Alfan, 2019). Additionally, financial literacy can strengthens investors understand the firm's status in the industry, be more knowledge about the firms' products and services, thus predict the firm's profitability (Siyanbola & Fregene, 2019). According to Bui et al. (2020), high financial literacy investors will encourage to invest where there is trustworthy, timely, and accurate financial information from trusty sources such annual reports, accounting information, stock's past performance, and expected corporate earnings rather than social interaction information from friend, family etc., in such way investors avoid engaging in harmful externalities and strengthens their ability to make informed investment decisions (Haritha & Uchil, 2020b).

**Fundamental Market Anomalies as a moderator**

Anomaly is described by Zain ul Abdin et al. (2019) as a phenomenon that deviates from the common or typical order of things in human perception. An anomaly is defined as something that is unusual, irregular, or deviates from the known natural order of things. As a result, the phrase has come to apply to unusual events, startling developments, unexpected outcomes, and anything that deviates dramatically from known theories, models, or hypotheses (Reisenzein et al., 2019). Anomalies in the securities markets are unmistakable evidence of market inefficiency. Such inefficiencies may be one-time occurrences or occur on a regular basis. Tversky and Kahneman (1986) explain that market anomalies occur when trading activities deviate significantly from the usual pattern of trading activities on a regular, widespread, and almost systemic basis, such that ignoring such deviations undermines the fundamental assumptions and violates the normative principles of the securities market. Finance theories have attempted to explain such anomalies as aberrant share price performance by pointing to deviations from the tested assumptions of the efficient market hypothesis (Mallick, 2015). As a result, experts believe that stock market anomalies in the
form of unusual price fluctuations are market behaviours that cannot be explained by the efficient market hypothesis (Khazali & Mirzaei, 2017). Market anomalies are certainly abnormal outcomes of market participants' aberrant behaviour. Previous research has consistently shown that both buyers' and sellers' behavioural biases combine to degenerate into market oddities, which strongly impact individual investors' decisions (Oehler et al., 2018; Salzman & Zwinkels, 2017).

Past studies argued that investors' actions in the market are driven more by psychological issues than by intentional decision-making and rational thought (Chandra & Kumar, 2012; Frantz et al., 2022). As a result, decisions are made based on investors' cognition and are impacted by fundamental anomalies analysis. This shows that even while investor cognition directly impacts judgement, such a process is dependent or susceptible to market anomalies (i.e., fundamental analysis). In this context, Abo El-Soud (2021) found that fundamental anomalies statistically and significantly impact investment decisions. The study of Zain ul Abdin et al. (2020) examined the effect of behavioural components on market anomalies in Pakistan; found that all behavioural components have a statistically significant effect on fundamental anomalies; thus, they suggest that market anomalies may lead to reduce the relationship between behavioural biases and individual decision making. Lazurni and Asri (2019) mentioned that individual decision-making could be impacted when considering market anomalies while making investment decisions. Similarly, prior studies argued that stock market anomalies significantly increase the financial risk of investors (Abo El-Soud, 2021). This suggests that stock market anomalies may moderate the impact of some determinants of investor behaviour on their investment decision. Under this logic, many scholars called to consider adding market anomalies as moderators between determinants of investor behaviour and investment decisions (Parveen et al., 2020). This moderating role can provide better insights into the relationship between prevalent heuristic biases and financial decisions (Mehmood et al., 2019), and help explicate the influence of psychological factors on investment choices (Frantz et al., 2022; Shah et al., 2018).

Examining market anomalies as moderators between behavioural biases and individual decision-making is justified in light of the situation in Iraq (Rashid et al., 2022). For instance, according to the report of the FEAS 27th Annual General Assembly, which was held on June 13, 2020, the number of shares exchanged fell precipitously from 832630 million in 2019 to 460097 in 2020. These unusual share size fluctuations are a reflection of market actions that the efficient market hypothesis is unable to account for (Khazali & Mirzaei, 2017). Researchers discovered considerable behavioural variation among Iraq equities investors (Altman, Policy Consequences Of Multiple Equilibria And The Indeterminacy Of Economic Outcomes In A Boundedly Rational World: Closing The System With Non-Economic Variables1; Anuradhasamal & Dasmohapatra, 2020). This heterogeneity's cause has been attributed to the market's dearth of reliable information (AL-salihy, 2018). Also, according to experts in Iraq, buyer and seller behavioural biases combine to create market anomalies, which have a significant influence on the choices made by individual investors (Oehler et al., 2018; Salzman & Zwinkels, 2017).

**Conclusions**

Choosing to invest in the stock market is a difficult task that requires reasoning and a clear perspective (Ahmad & Shah, 2022). Schools of contemporary thought in the context of behavioural finance focuses at an investor's market behaviour and how they make decisions about whether to buy, sell, or keep onto their shares. The theory of behavioural finance
argues that an investor's decision-making is influenced by a complex interplay between market conditions, personal characteristics, and demography (Sachdeva et al., 2022). Numerous factors have been identified in the literature as influencing factors for individual investors' investment decisions. However, there is no consensus regarding the nature of the determinants of investor behaviour that influence an individual's investment decision-making, despite the fact that there have been several attempts to conceptualise and operationalize those determinants of investor behaviour (Sachdeva et al., 2021; Sachdeva et al., 2022). Accordingly, it's argued that to understand the influence of determinants of investor behaviour on individual investment decisions, and to secure more rational investment decisions by individuals, determinants of investor behaviour must first be identified and recognised (Khawaja & Alharbi, 2021; Sachdeva et al., 2022). The study of determinants of investor behaviour in financial markets is somewhat an emerging concept and the behavioural determinants are not considerably addressed, there are few studies on the role of determinants of investor behaviour on individuals' investment decision-making, which need more academic research in this area necessary to establish the significance of the determinants of investor behaviour on individuals' investment decision-making (Ahmad & Shah, 2022; Sachdeva et al., 2022). It is critical for future research to examine the determinants of investor behaviour that affect the actual investment behaviour of the individuals (Adil et al., 2022a).

According to the findings of Adil et al. (2022a) financial literacy is the most important factor influencing investment decisions for all investors at the time of making an investment, because financial literacy can strengthen investor knowledge and skills to understand financial statements, marketability of stock, expected corporate earnings, and market value of shares. However, past studies neglect to examine the moderation effect of financial literacy in relationship between determinants of investor behaviour and individual's investment decision in stock market (Adil et al., 2022b). knowing how financial literacy works as a moderation mechanism can help finance professionals make better investment decisions. In the same context; investment decision-making is a cognitive process in which investors select from a range of available investment options based on the outcomes of market analysis (Antony, 2020). Empirical investigations have strongly suggested that investors' behaviours in the market were motivated more by psychological concerns than by rational thinking and deliberate choices (Cuandra & Tan, 2021). Therefore, decision-making is a process influenced/motivated by investors' cognition and based on market analysis (Frantz et al., 2022). This indicates that although investor behaviour directly influences decision-making, such a process is contingent or subject to market anomalies. Under this logic, many scholars called to consider adding market anomalies (i.e., fundamental anomalies) as moderators between determinants of investor behaviour and investment decisions (Parveen et al., 2020). This moderating role can provide better insights into the relationship between prevalent determinants of investor behaviour and investment decisions (Cuandra & Tan, 2021; Mehmood et al., 2019), and help explicate the influence of psychological factors on investment choices (Frantz et al., 2022; Shah et al., 2018). Based on these arguments, the determinants of individual investment decision-making can be conceptualised as shown in figure 1.
Future Research

In general; it’s clear that there is a comprehensive model of the determinants of investor behaviour in the current literature is lacking (Adil et al., 2022a). Using the contemporary behavioural finance theory, five key factors could affect an individual's investment decisions: (i) self-image/firm-image coincidence; (ii) accounting information; (iii) neutral information; (iv) advocate recommendation; and (v) personal financial needs. These chosen factors have a contextual nature. However, these studies did not follow with an empirical examination of this wider/comprehensive model of determinants of investor behaviour. Accordingly, there is a need to develop a more clear framework and comprehensive view of what determinants of investor behaviour constitute and how they affect an individual's investment decision (Adil et al., 2022b; Khawaja & Alharbi, 2021; Sachdeva et al., 2021). This is crucial to empirically demonstrating the behavioural finance theory’s theoretical claims and to clarifying the relationship between determinants of investor behaviour and individual decision-making better (Ahmad & Shah, 2022). In the same vein, the vast majority of studies in this area have relied on empirical research based on secondary data, which does not accurately reflect individual's actual behaviour. Therefore, using primary data-based empirical research, future studies should examine determinants of investor behaviour that influence investors' behaviour when making investment decisions (Ahmad, 2022). Past studies neglect to examine the moderation effect of financial literacy in relationship between determinants of investor behaviour and individual's investment decision in stock market (Adil et al., 2022b). Furthermore, few researchers have shed light on the moderating role of market anomalies between determinants of investors' behaviour and investment decisions (Frantz et al., 2022). Such studies considering market anomalies in investment decisions are scarce (Abo El-Soud, 2021; Lazuarni & Asri, 2019).

In the same vein, even in developed countries, the study of behavioural finance is in its early stages, and little has been done in developing countries in terms of the importance of behavioural finance in investment decision-making (Ahmad & Shah, 2022; Haritha & Uchil, 2020a, 2020b). Yet the economies of developing nations are still expanding, there are few research on how investors make decisions and how determinants of investor behaviour...
influences investment decisions; therefore, future research should concentrate on developing stock markets, as these markets have more unpredictable conditions than developed markets do, the uncertainty is manifested in the form of more sparse informational settings, fewer analysts following, and lower accounting disclosure.

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