INTERNATIONAL FINANCE

Abstract

International finance explores the monetary and economic relationships between countries, covering exchange rates, foreign direct investment, trade, and global markets. Its history traces back to ancient trade systems, the rise of banking in medieval times, and key developments like the Bretton Woods conference and the establishment of the IMF and World Bank. Today, globalization and technological advancements have reshaped the field, while events like the 2008 financial crisis highlight market interconnectedness. Global financial markets, including stocks, bonds, forex, and commodities, drive economic activities, with central banks playing a crucial role in stabilizing currencies and economies. Global investing involves allocating capital across international markets to diversify portfolios, reduce risk, and take advantage of global growth opportunities. Key strategies include geographic and asset class diversification, using investment vehicles like mutual funds or ETFs, and managing currency risk through hedging. Cross-border financial management, crucial for multinational companies, requires addressing challenges such as exchange rate volatility, diverse tax systems, regulatory differences, and liquidity management. MNCs employ strategies like foreign exchange hedging, centralized treasury management, and tax optimization to navigate these complexities and enhance financial efficiency.

Keywords: International finance, Exchange rates, Foreign direct investment, Trade Global markets, Bretton Woods conference, World Bank, Globalization, Technological advancements, Global financial markets, Stocks, Bonds, Forex, Commodities, Central banks, Global investing, Risk reduction, Currency risk management, Cross-border financial management, Tax systems, Monetary relationships, Economic relationships.

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I. INTRODUCTION

International finance examines the monetary relationships and microeconomic connections between two or more countries. It is the branch of financial economics that encompasses the study of exchange rate, foreign direct investment, international trade, global financial markets, International financial institutions.

The history of International Finance includes Bretton woods conference, the establishment of world bank and the international monetary fund. International finance, as an economic activity, has a very long and complicated history, which has been significantly influenced by such economic factors as the changing faces of modern monetary systems and the accelerating speed of technological progress, along with geopolitical shifts. World Bank Groups owns International Finance.

Here are Some Key Milestones

1. **Ancient Times:** Early forms of international finance emerged with trade between ancient civilizations like Mesopotamia, Egypt, and Greece. These civilizations developed rudimentary financial systems for trade and investment. It means using simple and not very developed methods of managing finances.

2. **Medieval Period:** The rise of banking institutions in medieval Italy, such as the Medici Bank, facilitated international trade and finance. The use of bills of exchange and letters of credit began to standardize and secure international transactions.

3. **16th-18th Centuries:** The Age of Exploration and colonialism expanded global trade networks. The establishment of joint-stock companies, like the Dutch East India Company, marked the beginning of modern international finance.19th Century: The Industrial Revolution and the gold standard system (established in the early 19th century) helped stabilize international monetary systems. The International Monetary Fund (IMF) was created in 1944 to promote international monetary cooperation and financial stability.

4. **20th Century:** The Bretton Woods Conference in 1944 established the IMF and the World Bank, forming a new international monetary system based on fixed exchange rates. 40 nations attended a conference to establish The Bretton Woods system, which aimed to standardize international monetary policies and exchange to promote economic stability after World War II. The Bretton Woods system collapsed in 1971, leading to the adoption of floating exchange rates and increased financial globalization.

5. **21st Century:** The recent increase in globalization has made international finance more important Globalization has made it easier to move and trade between countries, which increases competitiveness and efficiency. The proliferation of new technologies and the onset of financial innovations such as derivatives and digital currencies have reshaped the landscape of international finance. The global financial crisis of 2008 highlighted the interconnectedness of financial markets and led to reforms in international financial regulations.

International Finance is important while determining the exchange rates of the country. The transaction between countries can be significant in assessing the economic conditions of the other country. It plays a crucial role in investing in foreign debt securities to have a clear idea about the market.

Figure 1

II. GLOBAL FINANCIAL MARKETS

1. **Overview of Global Financial Markets:** Global financial market is the worldwide marketplace where buyers and sellers trade financial assets. This market provides a platform to the buyer and seller to trade assets such as stocks, bonds, currencies, derivatives, commodities across national borders. They are crucial in facilitating economic activities by providing platforms for raising capital, investing, and managing risks. Here’s an overview, breaking down the types of financial markets, their interconnectedness, key global economic indicators, the role of central banks.

2. **Types of Financial Markets**

   - **Stock Markets:** It is an equity market which is public entity facilitate the buying and selling of shares of publicly listed companies. Major global stock exchanges include the New York Stock Exchange (NYSE), NASDAQ, London Stock Exchange (LSE), and Tokyo Stock Exchange (TSE), National Stock Exchange (NSE), Bombay Stock Exchange (BSE).

- **Bond Markets:** It is a financial market which involves the issuance and trading of debt securities, such as government and corporate bonds. It allows governments and corporations to raise capital by borrowing money from investors. It allows capital to be transferred from savers and investors to issuers who want funds for project or other operations.

- **Foreign Exchange (Forex) Markets:** The largest financial market globally, where currencies are traded. The foreign exchange market is an over-the-counter market. It plays a key role in facilitating international trade and investment by enabling currency conversion.it is the global network that transacts 24 hours a day and closed only on week days.

- **Commodities Markets:** Commodities market trade raw materials and primary products like oil, gold, agricultural products, and metals. It trades in primary economic sector. These markets can be influenced by geopolitical events, supply and demand factors, and natural disasters. Three of the most commonly traded commodities include oil, gold, base metals.

- **Derivatives Markets:** The derivative market is the financial market for derivative which involves financial contracts whose value is derived from an underlying asset (e.g., futures, options, and swaps). The market can be further classified into two, that for exchange trade derivatives and over the counter derivatives. These instruments are utilized for hedging risks , speculation and leveraging investment positions.

- **Money Markets:** It deals with lending and borrowing short-term debt instruments like Treasury bills, commercial paper, and certificates of deposit with an average maturity of one year. Provide liquidity for governments, financial institutions, and companies.

- **Crypto Markets:** A relatively new type of market involving digital or virtual assets like Bitcoin, Ethereum, and other cryptocurrencies. Largely decentralized and highly volatile, influenced by regulatory changes, technology, and market sentiment. It is not backed or issued by any central authority such as government.

3. **Interconnectedness of Financial Markets:** Global financial markets are highly interconnected.

- **Cross-Border Capital Flows:** Investment funds and capital flow freely across borders, linking markets in different countries. A financial shock in one region can quickly affect other regions. These inflows and outflows of funds plays an important role in global integration, facilitating investment, trade and financial intermediation.

- **Contagion Effect:** It means spread of market disturbances mostly on downside from one country to other in short it is the idea that some event can cause a chain reaction or a domino effect like financial crisis or significant economic event in one market (like the 2008 financial crisis) can trigger negative reactions in other markets due to global investor sentiment and risk aversion.

- **Currency and Interest Rate Linkages:** Currency values and interest rates in one country can affect others. For example, a rise in U.S. interest rates may strengthen the U.S. dollar, impacting trade and investment flows worldwide. High interest rates lead to capital outflows and thereby depreciation of the currency we can also say that higher domestic inflation results in high domestic exchange rate depreciation.

- **Technological Advancements:** Digital trading platforms, high-frequency trading, and the proliferation of real-time data have increased the speed and efficiency of global market transactions, making them more interconnected. Cloud banking, cryptocurrency, artificial intelligence, cybersecurity, online banking, peer to peer lending, robot-advisory services, mobile payments are few examples.

4. Indicators of the Global Economy that Influence the Financial Markets Include

- **Gross Domestic Product (GDP):** Gross Domestic Product is a measure of gross economic output for a nation. Strong growth of GDP is a sign of healthy economic growth, usually good news for the stock markets, while its decline has the exact opposite effect.

- **Inflation Rates:** High inflation can erode purchasing power and negatively impact bond markets and equities, while deflation or low inflation might encourage investment and spending.

- **Unemployment Rates:** A high unemployment rate may indicate economic hardship, which would therefore impact consumer spending and investor confidence. Interest Rates: The rate is set by the central banks, and this interest rate determines the cost of borrowing for both consumers and companies. Rates that are low tend to boost spending and investment, whereas higher rates can hinder these activities.

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- **Trade Balances:** A country's trade surplus or deficit can impact currency values, influencing forex markets and foreign investment.

5. Role of Central Banks: Central banks play an important role in maintaining economic stability and influencing global financial markets. They are responsible for making and implementing monetary policy, regulating financial institutions, managing currency reserves, and maintaining financial stability. Central banks, such as the U.S. Federal Reserve, the European Central Bank (ECB), and the Bank of Japan, play an important role in global financial markets:

- **Monetary Policy:** Central banks use tools like interest rates and open market operations to control money supply, inflation, and economic growth. The two main types of monetary policies are Expansion monetary policy and Contractionary monetary policy. Stabilizing Financial Systems: Act as lenders of last resort to banks during crises, providing liquidity and maintaining stability.

- **Exchange Rate Management:** Some central banks intervene in foreign exchange markets to stabilize their currency. Central banks may buy or sell their own currency in foreign exchange markets to stabilize its value or to counteract excessive volatility. For example, the Bank of Japan (BoJ) has intervened in the Forex market to weaken the yen and support export competitiveness. Central banks in emerging markets often peg or manage their currencies to stabilize trade and capital flows. For example, the People's Bank of China (PBoC) manages the yuan's exchange rate to maintain competitiveness and control inflation. Central bank policies on currency management impact global trade by affecting export and import prices. Exchange rate movements driven by central bank actions can also influence foreign investment decisions.

- **Guidance and Communication:** With the use of forward guidance and communication strategies, central banks manage market expectations about future economic conditions. By clearly communicating their policy goals and economic outlook, central banks aim to reduce uncertainty in the markets. For instance, the U.S. Federal Reserve and ECB regularly provide forward guidance on expected future interest rate paths, which helps investors and businesses plan accordingly. Clear communication helps prevent sudden market reactions to unexpected policy changes. For example, if the ECB signals that it will keep interest rates low for an extended period, markets may remain stable, and long-term borrowing costs might decrease.

Global financial markets are influenced by a range of factors, including economic indicators (like GDP growth, inflation, and employment rates), geopolitical events, central bank policies (such as interest rate decisions), corporate earnings reports, and technological developments. These markets are interconnected, meaning that events in one region or sector can have ripple effects globally, impacting asset prices, capital flows, and investor sentiment

III. CURRENCY EXCHANGE AND RISK

Currency exchange is the term which refers to trading of one countries currency to other it is also known as foreign exchange or forex whereas Exchange rate risk is also known as currency risk which occurs due to change in price of one currency in relation with other. Companies or Investors who has their assets across their nation borders undergoes currency exchange and risk which can offer unpredictable profits or losses. It is necessary for international trade, investments, and financial transactions across borders.

1. **Currency Exchange:** The foreign exchange market is a worldwide marketplace for buying and selling currencies. It is the largest and most liquid financial market in the world, with daily trading volumes exceeding $6 trillion. The market operates 24 hours a day, five days a week, across different financial hubs around the world, including London, New York, Tokyo, and Sydney.

Currencies in the Forex market is always traded in pairs. For example, in the EUR/USD pair, the euro is the base currency or the first currency and the U.S. dollar is the quote currency or second currency. The exchange rate tells you how many units of the quote currency are needed to buy one unit of the base currency. Some traded currencies in pairs are EUR/USD, GBP/USD, USD/JPY, AUD/USD.

2. **Types of Exchange Rate Systems:** Floating Exchange Rate is when the value of a currency is determined by market forces without direct government intervention. The value changes due to supply and demand. Examples of countries with floating exchange rates are the U.S. and the Eurozone.

   Fixed Exchange Rate or pegged is when a currency’s value is tied or pegged to another currency or currencies. The central bank intervenes to maintain this rate. For instance, China pegs its currency (yuan) to the U.S. dollar to control its value within a narrow band.

   Managed Float or hybrid is the system combines elements of both floating and fixed rates. While currencies generally float in the open market, governments or central banks intervene occasionally to stabilize or increase the value of their currency.

3. **Factors Influencing Exchange Rates:** Exchange rates fluctuate due to a variety of economic, political, and social factors:

   Countries with higher interest rates often attract more foreign capital, leading to higher demand for the local currency and an appreciation in its value.

   Lower inflation rates in a country usually lead to a stronger currency because its purchasing power increases relative to other currencies. Exactly opposite to these countries with high inflation may see their currency weaken.

   Countries with stable governments and strong economic performance tend to have stronger currencies because they are seen as less risky by investors which results in higher profits.

   If a country exports more than it imports, there is higher demand for its currency leading to an appreciation of the currency which directly associates with trade balances.

   Traders and investors buy and sell currencies based on expectations about future economic conditions, interest rates, or political events. Speculation can cause short-term fluctuations in currency values.

4. **Types of Currency Transactions:** Spot transactions are transactions that occur at the current exchange rate, with settlement typically happening within two business days. It is the most common type of currency transaction.

   A forward contract allows two parties to agree on an exchange rate for a transaction that will occur at a future date, protecting them from future fluctuations in currency prices.

A currency swap involves exchanging principal and interest in one currency for the same in another currency over an agreed period. Swaps are often used by businesses and financial institutions to hedge against currency risk.
A currency option gives the buyer the right, but not the obligation, to exchange a certain amount of currency at a predetermined exchange rate before a specified date.

5. **Major Players in the Forex Market:** Commercial Banks and Financial Institutions these entities facilitate large volumes of currency exchanges for businesses and other clients. They also engage in day trading.

Central banks, like the U.S. Federal Reserve or the European Central Bank, influence currency exchange rates through monetary policy, foreign exchange reserves management, and market interventions.

Hedge Funds and Investment Managers are the large institutional investors trade currencies to hedge against market risk or for speculative purposes, often involving large sums of money.
Multinational companies need to exchange currencies to pay for goods and services in different countries, repatriate profits, or make investments.

Retail Traders can trade currencies for profit through online trading platforms. Retail Forex trading has grown significantly due to advancements in technology

Currencies can be exchanged between any two countries, not necessarily involving the U.S. dollar. For instance, a company might exchange euros directly into Japanese yen. These direct trades, known as cross-currency exchanges, are increasingly common as international trade and finance become more diversified.

Central banks hold foreign exchange reserves as a part of their monetary policy. These reserves usually consist of a variety of foreign currencies, often including the U.S. dollar, euro, and Japanese yen. Reserves are used to stabilize the country's own currency, settle international debts, and influence the exchange rate.

IV. CURRENCY RISK

Exchange rate risk, also known as currency risk or foreign exchange (FX) risk, arises from the potential for losses due to fluctuations in the exchange rate between two currencies. These fluctuations can significantly affect businesses, investors, and governments involved in international transactions.

1. Types of Exchange Rate risk

- Transaction risk arises from the time lag between entering into a contract or agreement and settling it. If the currency exchange rate moves unfavorably during that period, the value of the transaction can change, resulting in a loss.
- Translation risk or accounting risk occurs when a multinational company consolidates its foreign operations into its home country's currency for financial reporting

purposes. Exchange rate changes can affect the value of foreign assets, liabilities, revenues, and expenses.

- Economic risk or operating exposure is the potential impact of long-term exchange rate movements on a company's market value and future cash flows. It goes beyond short-term transactions and affects a company's overall competitive position in global markets.
- Contingent risk arises when a company is involved in bidding for foreign contracts or contemplating a foreign direct investment. The risk is "contingent" because it is dependent on whether the contract or investment materializes.

2. **Factors That Contribute to Exchange Rate Risk:** Interest rate differentials changes in a country's interest rates relative to others can lead to capital inflows or outflows, affecting the currency's value.

   Inflation differentials countries with higher inflation tend to see their currencies depreciate over time relative to countries with lower inflation, as purchasing power declines.

   Political risk political instability, policy changes, or elections in a country can cause sudden shifts in exchange rates due to perceived changes in risk.

   Natural disasters, pandemics, or geopolitical tensions can create volatility in currency markets and market speculation currency traders may react to economic data, policy announcements, or rumors, influencing short-term exchange rate movements.

3. **Real-Life Examples of Exchange Rate Risk**

   - **Brexit and GBP Fluctuations (2016):** After the Brexit referendum in 2016, the British pound plummeted against other major currencies like the U.S. dollar and euro. U.K. companies with foreign currency obligations saw the value of those obligations rise, leading to losses.

   - **Swiss Franc Shock (2015):** The Swiss National Bank unexpectedly abandoned its currency peg to the euro in 2015, leading to a sudden appreciation of the Swiss franc. Swiss exporters faced immediate challenges, as their products became more expensive in foreign markets, and companies with franc-denominated debts saw their obligations skyrocket.

   Understanding and managing exchange rate risk is critical for international businesses and investors. Careful planning, risk management tools, and strategic hedging can protect against adverse currency movements, while capitalizing on favorable trends.

4. **International Investment**

Global Investing, also known as international investing, Global investing refers to the practice of allocating capital across international markets, rather than focusing solely on domestic investments. It allows investors to diversify their portfolios by gaining exposure to different economies, industries, and currencies around the world. The primary goal is to reduce risk and potentially enhance returns by taking advantage of growth opportunities in various regions.. This strategy can offer several benefits, including:

- **Diversification:** Spreading your investments across different markets can help mitigate risks associated with domestic economic fluctuations.
- **Growth Potential:** Emerging markets often offer higher growth potential than mature economies.
- **Currency Hedging:** International investments can help protect against currency fluctuations.

Key Strategies for Global Investing

1. Geographic Diversification

- **Regional Focus:** Invest in specific regions (e.g., Asia, Europe) to capitalize on regional growth trends.
- **Emerging Markets:** Consider investing in emerging markets for potentially higher returns, but be aware of associated risks.
- **Developed Markets:** Invest in mature economies for stability and dividend income.

2. Asset Class Diversification

- **Stocks:** Invest in foreign equities for capital appreciation.
- **Bonds:** Consider foreign bonds for fixed income and potential currency appreciation.
- **Real Estate:** Invest in foreign real estate through REITs or direct property investments.
- **Commodities:** Explore commodity futures or ETFs for exposure to natural resources.

3. Investment Vehicles

- **Mutual Funds and ETFs:** These pooled investment vehicles offer diversification and professional management.
- **Direct Investments:** Invest directly in foreign securities or properties, but be aware of associated risks.
- **Global Funds:** These funds invest in a mix of domestic and foreign securities.

4. Currency Hedging

- **Currency Derivatives:** Use futures or options to hedge against currency risk.
- **Currency-Hedged Funds:** Invest in funds that employ currency hedging strategies.

5. Risk Management

- **Research and Analysis:** Conduct thorough research on foreign markets and companies.
- **Diversification:** Spread your investments across different asset classes and regions.

- **Risk Tolerance:** Evaluate your risk tolerance and modify your portfolio to align with it.
- **Monitoring and Rebalancing:** Frequently assess your portfolio and balance when necessary.

6. **Foreign Direct Investment (FDI)**

- **Purpose:** Establishing a long-term presence in foreign Markets.
- **Strategy:** Investors or companies directly invest in foreign countries by purchasing businesses or establishing operations.
- **Example:** A U.S.-based tech company expanding operations to Europe or Asia through acquisitions or joint ventures.

7. **Additional Considerations**

- **Political and Economic Risks:** Be aware of political and economic factors that could impact foreign investments.
- **Tax Implications:** Understand the tax implications of international investments in your country.
- **Transaction Costs:** Consider transaction costs associated with foreign investments.
- **Cultural and Regulatory Differences:** Be mindful of cultural and regulatory differences in foreign markets.

By carefully considering these strategies and factors, you can make informed decisions about international investments and potentially enhance your overall portfolio returns.

V. CROSS-BORDER FINANCIAL MANAGEMENT

Cross-Border Financial Management refers to the process of managing financial operations and decisions that span across different countries. This involves dealing with multiple currencies, regulatory frameworks, tax laws, and economic environments. Companies and investors engaged in cross-border activities must carefully manage the complexities of exchange rates, international financial markets, and compliance with foreign legal requirements.

Challenges for Multinational Companies

Multinational companies (MNCs) face several challenges when managing cross-border financial operations due to the complexities of operating in different countries. Here are the main challenges:

1. **Exchange Rate Volatility:** Fluctuations in foreign exchange rates can impact profits, costs, and the value of assets and liabilities. Currency depreciation in one country can erode the value of revenues or investments.

2. **Diverse Taxation Systems:** MNCs must navigate complex and differing tax laws across countries, which can lead to higher tax liabilities and compliance burdens. Issues like transfer pricing, profit repatriation, and double taxation arise.

3. **Regulatory and Compliance Differences:** Financial regulations and accounting standards differ from one country to another, complicating financial reporting, tax filings, and compliance. Non-compliance can lead to penalties or legal risks.
4. **Political and Economic Instability:** Changes in government policies, economic crises, or political instability can affect financial operations. Examples include capital controls, expropriation, currency restrictions, or hyperinflation in certain markets.

5. **Liquidity Management:** Managing liquidity across borders can be complex due to restrictions on capital flows, varying banking systems, and differing cash management practices. This can hinder the ability to move funds freely between subsidiaries.

6. **Transfer Pricing and Profit Repatriation:** MNCs face challenges in pricing transactions between subsidiaries in different countries, which can lead to scrutiny from tax authorities. Repatriating profits to the parent company can also trigger additional taxes and regulatory hurdles.

7. **Access to Capital:** Raising funds in different countries may be limited by local financial market conditions, government restrictions on foreign borrowing, or differences in interest rates.

8. **Cultural and Operational Differences:** Managing financial teams across different countries requires understanding local business practices, languages, and corporate cultures, which can affect decision-making and coordination.

9. **Accounting and Reporting Variances:** Different countries may follow different accounting standards (e.g., IFRS, US GAAP), making it difficult to consolidate financial statements and ensure transparency across global operations.

10. **Credit Risk:** Credit risk varies between countries due to differences in legal systems and economic conditions. MNCs may face difficulties in recovering payments from international customers or managing defaults in high-risk markets.

These challenges demand that multinational companies implement effective strategies for risk management, compliance, and financial optimization when managing cross-border operations.

Key Strategies

Multinational companies (MNCs) employ various strategies to effectively manage cross-border financial operations, addressing the complexities of currency fluctuations, differing regulations, and economic risks. Below are key strategies:

1. **Hedging Foreign Exchange Risk:** Employ hedging strategies like currency swaps, options, and forward contracts to mitigate foreign exchange risk and stabilize cash flows.

2. **Centralized vs. Decentralized Treasury:** Decide whether to centralize treasury functions or allow subsidiaries to manage own their finances independently. Centralized control often improves risk management and reduces costs.

3. **Netting and Pooling:** Use netting and cash pooling arrangements to aggregate cash flows and improve liquidity across various subsidiaries and currencies.
4. **In-House Banking:** Implement in-house banking structures to optimize cash management, reduce external borrowing, and manage intercompany financing efficiently.

5. **Tax Optimization:** Develop transfer pricing policies that adhere to international tax regulations while optimizing tax efficiency within the organization.

6. **Country-Specific Financial Strategies:** Tailor financial strategies to account for variations in regulations, interest rates, and economic conditions in different countries.

By using these strategies, MNCs can effectively manage the complexities of cross-border financial operations, ensuring smoother financial management, regulatory compliance, and protection against risks.

REFERENCES

[1] KAAKANDIKAR, D. R. (2020). Financial Statement Analysis of Janaseva Bank. In Financial Statement Analysis of Janaseva Bank (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13675324
[2] KAAKANDIKAR, D. R. (2020). "Study of Performance Appraisal of Employee". In Study of Performance Appraisal of Employee (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13681608
[3] KAAKANDIKAR, D. R. (2020). A Study of Budgetary Control. In A Study of Budgetary Control (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13682208
[4] KAAKANDIKAR, D. R. (2020). A Study of Capital Budgeting of Fountainhead Info solutions Pvt. Ltd. In A Study of Capital Budgeting of Fountainhead Info solutions Pvt. Ltd. (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13682832
[5] KAAKANDIKAR, D. R. (2020). ANALYSING CONSUMER BUYING BEHAVIOUR AND PREFERENCES IN THE ICE CREAM INDUSTRY: MERIDIAN ICE CREAM. In ANALYSING CONSUMER BUYING BEHAVIOUR AND PREFERENCES IN THE ICE CREAM INDUSTRY: MERIDIAN ICE CREAM: Vol. XXVII (Number 5). Zenodo. https://doi.org/10.5281/zenodo.13683490
[6] KAAKANDIKAR, D. R. (2020). ANALYSING CUSTOMER SATISFACTION AND LOYALTY IN THE ONLINE EYEWEAR RETAIL INDUSTRY: A FOCUS ON LENSKART. In ANALYSING CUSTOMER SATISFACTION AND LOYALTY IN THE ONLINE EYEWEAR RETAIL INDUSTRY: A FOCUS ON LENSKART: Vol. XXVII (Number 5). Zenodo. https://doi.org/10.5281/zenodo.13683509
[7] ANALYZING CONSUMER PREFERENCES AND MARKET TRENDS IN THE TWO-WHEELER INDUSTRY, XXVII(5), ISSN: 0975-802X, 2020.
[8] ANALYZING CUSTOMER SATISFACTION AND LOYALTY IN THE CONTEXT OF WOW MOMO: A STUDY OF FAST FOOD PREFERENCES AND EXPERIENCES, XXVII(5), ISSN: 0975-802X, 2020.
[9] KAAKANDIKAR, D. R. (2020). CONSUMER PREFERENCES AND MARKET DYNAMICS IN THE SNACK FOOD INDUSTRY: A STUDY OF HALDIRAM PRODUCTS. In CONSUMER PREFERENCES AND MARKET DYNAMICS IN THE SNACK FOOD INDUSTRY: A STUDY OF HALDIRAM PRODUCTS (Vol. 28, Number 2(vi)). Zenodo. https://doi.org/10.5281/zenodo.13683657
[10] KAAKANDIKAR, D. R. (2020). Performance Evaluation with the Help of Ratio Analysis. In Performance Evaluation with the Help of Ratio Analysis (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683692
[11] KAAKANDIKAR, D. R. (2020). Impact of Artificial Intelligence on Our Society. In Impact of Artificial Intelligence on Our Society (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683725
[12] KAAKANDIKAR, D. R. (2024). "Non Performing Assets: A Comparative Study of Sbi & Hdfc Bank". In "Non Performing Assets: A Comparative Study of Sbi & Hdfc Bank" (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683746
[13] KAAKANDIKAR, D. R. (2020). Role of Insurance in Personal Financial Planning. In Role of Insurance in Personal Financial Planning (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683760

[14] KAAKANDIKAR, D. R. (2020). Study of Product Branding with Digital Marketing. In Study of Product Branding with Digital Marketing (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683782
[15] KAAKANDIKAR, D. R. (2020). The Study on Investor's Attitude towards Mutual Fund. In The Study on Investor's Attitude towards Mutual Fund (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683791
[16] KAAKANDIKAR, D. R. (2020). To Study the Involvement of Mnc's in International Business. In To Study the Involvement of Mnc's in International Business (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683814
[17] KAAKANDIKAR, D. R. (2020). Working Capital Management at Suzlon Energy Ltd. Pune. In Working Capital Management at Suzlon Energy Ltd. Pune (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683847
[18] KAAKANDIKAR, D. R. (2020). A Comprehensive Analysis of Goods and Services Tax (GST) in India. In A Comprehensive Analysis of Goods and Services Tax (GST) in India (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13683861
[19] KAAKANDIKAR, D. R. (2020). A Project Report On Activity Based On Costing As A Measure Of Improving The Cost Structure In Jay Laxmi Food Processing Pvt Ltd. In A Project Report On Activity Based On Costing As A Measure Of Improving The Cost Structure In Jay Laxmi Food Processing Pvt Ltd (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13683872
[20] KAAKANDIKAR, D. R. (2020). A Study of Instrument used in Trade Finance Suzlon Energy Ltd. Pune. In A Study of Instrument used in Trade Finance Suzlon Energy Ltd. Pune (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13683889
[21] KAAKANDIKAR, D. R. (2020). A Study on Credit Risk Management. In A Study on Credit Risk Management (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13683981
[22] KAAKANDIKAR, D. R. (2020). A Study on Financial Analysis of Maruti Suzuki India Limited Company. In A Study on Financial Analysis of Maruti Suzuki India Limited Company (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684029
[23] KAAKANDIKAR, D. R. (2020). A Study On Job Satisfaction Of Employees In An Organization. In A Study On Job Satisfaction Of Employees In An Organization (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684074
[24] KAAKANDIKAR, D. R. (2020). A Study On Working Capital Management With Ratio Analysis Of Span Pump Pvt Ltd. In A Study On Working Capital Management With Ratio Analysis Of Span Pump Pvt Ltd (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684096
[25] KAAKANDIKAR, D. R. (2020). Credit Appraisal of Home Loan Finance. In Credit Appraisal of Home Loan Finance (Vol. 40, Number 71). Zenodo. https://doi.org/10.5281/zenodo.13684121
[26] KAAKANDIKAR, D. R. (2020). Financial Health Analysis with the Help of Different Metrics. In Financial Health Analysis with the Help of Different Metrics (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13684144
[27] KAAKANDIKAR, D. R. (2020). Importance of Training Staff in Modern Workplace Era. In Importance of Training Staff in Modern Workplace Era (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13684198
[28] KAAKANDIKAR, D. R. (2020). Study Of News Website For Mortgage Industries. In Study Of News Website For Mortgage Industries (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684217
[29] KAAKANDIKAR, D. R. (2020). Study Of Performance Appraisal System At Ieinfosoft, Pune. In Study Of Performance Appraisal System At Ieinfosoft, Pune (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684245
[30] KAAKANDIKAR, D. R. (2020). Study Of Tax Planning Of Individual Assessee And Huf. In Study Of Tax Planning Of Individual Assessee And Huf (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684264
[31] KAAKANDIKAR, D. R. (2020). The study of SEO for organic branding of SMEs. In The study of SEO for organic branding of SMEs. (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684275
[32] KAAKANDIKAR, D. R. (2020). To Study the Challenges and Opportunities of India's Increased Participation in The Global Economy. In To Study the Challenges and Opportunities of India's Increased Participation in The Global Economy. (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13684308
[33] KAAKANDIKAR, D. R. (2020). To Study The Financial Position Of Maruti Suzuki India Ltd Using Ratio Analysis. In To Study The Financial Position Of Maruti Suzuki India Ltd Using Ratio Analysis (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684331

[34] KAAKANDIKAR, D. R. (2020). To Study The Import – Export Procedure And Doucmentation With Reference To Thermax Limited. In To Study The Import – Export Procedure And Doucmentation With Reference To Thermax Limited. (Vol. 22, Number 4). Zenodo. https://doi.org/10.5281/zenodo.13684360

[35] KAAKANDIKAR, D. R. (2020). To Comparative Study of E-Banking, Kotak and Icici Bank. In To Comparative Study of E-Banking, Kotak and Icici Bank (Vol. 40, Number 70). Zenodo. https://doi.org/10.5281/zenodo.13684386

[36] Espinoza, M. C., Ganatra, V., Prasanth, K., Sinha, R., Montañez, C. E. O., Sunil, K. M., & Kaakandikar, R. (2021). Consumer behavior analysis on online and offline shopping during pandemic situation. *International Journal of Accounting & Finance in Asia Pacific, 4*(3), 75–87. https://doi.org/10.32535/ijafap.v4i3.1208

[37] Sinha, R., Nair, R. K., Naik, V., Ganatra, V., Singri, P., Singh, P., Kamble, A. R., Kaakandikar, R., KJ, S., & Modawal, I. (2020). New norm in consumer buying pattern: Online shopping swing amid the Coronavirus pandemic. [Details on the publication are missing]

[38] Espinoza, M. C., Nair, R. K., Mulani, R., Kaakandikar, R., Quispe, A., & Riva, F. (2021). The effects of COVID-19 pandemic on tourism sector. *International Journal of Tourism and Hospitality in Asia Pacific, 4*(3), 115–121. https://doi.org/10.32535/ijthap.v4i3.1213

[39] Ganatra, V., Kaakandikar, R., Izzuddin, M., Kee, D. M. H., Zainuddin, N. B., Bukhari, M. A. Z., Nurhakim, M. A., & Panwar, V. (2021). The impact of food delivery apps on customer perceived value among university students. *Journal of the Community Development in Asia, 4*(3), 68–78. https://doi.org/10.32535/jcda.v4i3.1182

[40] G, L. S. (2017). A performance analysis of select public and private mutual funds. [Doctoral dissertation,SRTMUN]. http://hdl.handle.net/10603/194579

[41] A study on the customer level of satisfaction towards Café Coffee Day product and service in Pune City. (2023, March 14). https://journals.kozminski.cem-j.org/index.php/pl_cemj/article/view/617

[42] Shamout, M. D., Sivaprasad, R., Ramya, N., Pande, S., Kaakandikar, R., & Fahlevi, M. (2022). Optical flow-based tracking of vehicles using adaptive particle filter target tracking algorithm for accident prevention. In *2022 International Conference on Automation, Computing and Renewable Systems (ICACRS)* (pp. 1-5). IEEE. https://doi.org/10.1109/icacrs55517.2022.10029204

[43] Kaakandikar, R., & Rangade, A. (2019, November 9). A study on job satisfaction of employees in an organization. *Think India Journal - Vichar Nyas Foundation*. https://thinkindiaquarterly.org/index.php/think-india/article/view/10355

[44] Kaakandikar, d. R. (2024). Beyond reach: micro-influencers vs. Celebrities - a comparative analysis of engagement and brand sentiment in influencer marketing. In eyond reach: micro-influencers vs. Celebrities - a comparative analysis of engagement and brand sentiment in influencer marketing (Vol. 21, Number 6). Zenodo. https://doi.org/10.5281/zenodo.13705742

[45] Kaakandikar, R. (2022, November 1). A study of awareness and behavior towards equity and derivative market. *Social Science Research Network (SSRN)*. https://papers.ssrn.com/sol3/papers.cfm?abstikearact_id=4912797

[46] Pérez-Restrepo, C., López, C. A., Singh, P., Ochoa, A. M. R., Ceballos, D. V., Tilekar, G. D., & Kaakandikar, R. (2021). Improving online customer satisfaction: A study on Biba. *International Journal of Accounting & Finance in Asia Pacific, 4*(3), 88–99.

[47] Poman, A., & Kaakandikar, R. (2022, August 11). Study & calculation of Goods and Service Tax (GST). *Journal of Positive School Psychology*. https://mail.journalppw.com/index.php/jpsp/article/view/10373

[48] Kaakandikar, D. R. (2024). Embracing phygital transformation for sustainability: ikea's journey. (Vol. 21, Number 6). Zenodo. https://doi.org/10.5281/zenodo.13705463

[49] KAAKANDIKAR, D. R. (2024). Cultural Intelligence Pedagogy In Management Education: Nurturing Diversity-Responsive Leaders. In Cultural Intelligence Pedagogy In Management Education: Nurturing Diversity-Responsive Leaders (Vol. 44, Number 6). Zenodo. https://doi.org/10.5281/zenodo.13705855

[50] Dr. Priya Tiwari; Dr. Rishikaysh Kaakandikar; Mr. Sahil Sachin Bhosale; Dr. K Nirmala; Dr. Bharat Kasar. A Critical Study of Behavioural Factors Affecting Mutual Funds Investors With Special Reference to Pune District. *ES* **2024**, *20* (2), 47-61. https://doi.org/10.69889/667gf640.

[51] Dr. Rishikaysh Kaakandikar; Dr. Yashwant Lembhe; Dr. Beena John Jiby. Unlocking Spending Trends: The Behavioural Impact of Digital Wallets on Modern Consumers. *ES* **2024**, *20* (1), 127-143. https://doi.org/10.69889/sqj3vb23.

