

# **Title: Portfolio Allocation Rationale and Risk-Return Analysis**

## **Portfolio Management: A Deep Dive**

Portfolio management is the art and science of making decisions about investment mix and policy, matching investments to objectives, asset allocation for individuals and institutions, and balancing risk against performance. It involves creating and overseeing a selection of investments that will meet the long-term financial goals and risk tolerance of a client or institution. Let's explore portfolio management in detail:

---

### **1. What is Portfolio Management?**

Portfolio management is a continuous process where an individual or institutional investor decides how to allocate their wealth across different asset classes such as stocks, bonds, mutual funds, real estate, and commodities. The primary goal is to optimize returns while managing risk according to the investor's financial goals and risk tolerance.

Key Components:

- **Asset Selection:** Picking which assets to include in the portfolio (e.g., stocks, bonds, gold, etc.).
  - **Asset Allocation:** Deciding how much to invest in each type of asset. For instance, 60% in stocks and 40% in bonds.
  - **Risk Management:** Ensuring the portfolio's risk aligns with the investor's risk tolerance.
  - **Performance Evaluation:** Continuously reviewing how the portfolio is performing and adjusting when necessary.
- 

### **2. Types of Portfolio Management**

Active Portfolio Management:

- **Goal:** Beat the market by actively buying and selling securities.
- Active managers constantly research, buy, and sell assets to maximize returns.
- **Example:** A fund manager actively changes the allocation of assets in response to market movements or new information, seeking to outperform a benchmark index like the S&P 500 or Nifty 50.
- **Pros:** Potential for high returns if decisions are correct.

- Cons: Higher fees, risk of underperformance, higher transaction costs, requires constant monitoring.

#### Passive Portfolio Management:

- Goal: Mimic the performance of a specific market index (e.g., a stock market index or bond index).
- Example: Investing in index funds or ETFs that track an index like the S&P 500.
- Pros: Lower costs, simplicity, historically tends to outperform many active managers over the long term.
- Cons: No potential for outperforming the market, limited flexibility.

#### Discretionary Portfolio Management:

- Here, the portfolio manager has full authority to make investment decisions on behalf of the client without prior approval for each trade.
- Benefit: Faster decision-making since the manager doesn't need to consult the client for each trade.
- Risk: The client is placing full trust in the manager's decisions.

#### Non-Discretionary Portfolio Management:

- The portfolio manager provides advice, but all decisions must be approved by the client.
- Benefit: The client has full control over their portfolio.
- Drawback: It could slow down the decision-making process.

---

### 3. Key Principles of Portfolio Management

#### 1. Diversification

- Diversification involves spreading investments across various asset classes, sectors, and geographies to minimize the risk of a significant loss.
- The idea is to reduce the impact of any single asset's poor performance on the overall portfolio.
- Example: If a portfolio holds stocks in different sectors like technology, healthcare, and energy, a downturn in one sector might be offset by gains in another.

#### 2. Risk-Return Trade-off

- This principle reflects the relationship between risk and return: higher potential returns are generally associated with higher risk.
- Low-Risk Investments: Typically have lower returns, like government bonds.

- High-Risk Investments: Offer higher returns but also higher potential for loss, such as stocks or cryptocurrencies.
- Portfolio managers seek to balance this tradeoff according to the investor's risk tolerance and goals.

### 3. Asset Allocation

- Asset allocation refers to the proportion of different assets within a portfolio. It's the most critical decision for determining long-term returns and risk.
- The classic asset allocation models are:
  - Aggressive Portfolio: Higher allocation to equities, suitable for investors with a high-risk tolerance and long-term investment horizon.
  - Conservative Portfolio: More allocation to bonds or fixed-income assets, suitable for investors who want safety and less volatility.
  - Balanced Portfolio: A mix of equities, bonds, and other asset classes, providing a balance between growth and safety.

### 4. Rebalancing

- Over time, the value of assets in a portfolio may drift from the target allocation due to differing returns of the individual assets.
- Rebalancing involves periodically buying and selling assets to bring the portfolio back in line with the target allocation.
- Example: If equities outperform bonds in a 60% equity, 40% bond portfolio, equities may grow to 70%. Rebalancing would involve selling some equities and buying bonds to restore the 60:40 ratio.

### 5. Investment Horizon

- The length of time an investor expects to hold a portfolio before cashing out plays a critical role in portfolio management.
  - Long-term horizon: More tolerance for short-term volatility (e.g., investing in growth stocks).
  - Short-term horizon: More likely to focus on low-risk, stable investments (e.g., bonds or money market funds).
-

## 4. Risk Management in Portfolio Management

Managing risk is central to portfolio management. There are several strategies that portfolio managers use to minimize risk:

### 1. Standard Deviation:

- Standard deviation measures the volatility or risk of an asset's return.
- The higher the standard deviation, the more unpredictable and risky the asset is.

### 2. Beta:

- Beta measures the sensitivity of a portfolio to market movements.
- $\text{Beta} > 1$ : The portfolio is more volatile than the market.
- $\text{Beta} < 1$ : The portfolio is less volatile than the market.
- Example: A stock with a beta of 1.2 will likely move 12% more than the market.

### 3. Correlation:

- This refers to how different assets in a portfolio move in relation to each other.
- Positive Correlation: Assets move in the same direction (e.g., two stocks in the same sector).
- Negative Correlation: Assets move in opposite directions (e.g., stocks and bonds).
- A well-diversified portfolio should have assets with low or negative correlations to reduce overall portfolio risk.

### 4. Value at Risk (VaR):

- VaR is a statistical technique used to estimate the maximum potential loss of a portfolio over a specific time frame with a certain confidence level.
- Example: A portfolio with a 95% VaR of \$1 million means there is a 5% chance the portfolio could lose more than \$1 million in a given time period.

---

## 5. Active vs. Passive Portfolio Management

Active Portfolio Management:

- Involves constantly monitoring and adjusting a portfolio based on market conditions, research, and forecasts.
- Pros: Flexibility to respond to market changes and potentially generate higher returns.
- Cons: Requires more time, resources, and incurs higher transaction costs.

Passive Portfolio Management:

- Involves building a portfolio that mimics a market index and holding it for the long term.
  - Pros: Lower costs, less time-consuming, and research suggests most actively managed portfolios do not consistently outperform passive portfolios in the long run.
  - Cons: No ability to react to market changes or economic conditions.
- 

## 6. Modern Portfolio Theory (MPT)

MPT is a framework used by portfolio managers to construct a portfolio that maximizes return for a given level of risk. The key principles of MPT are:

- Efficient Frontier: A set of optimal portfolios that offer the highest expected return for a defined level of risk.
  - Risk Aversion: Investors want to maximize returns while minimizing risk.
  - Diversification: By combining assets with low or negative correlations, an investor can reduce the portfolio's overall risk without sacrificing returns.
  - Portfolio Optimization: This involves calculating the weights of different assets in a portfolio to achieve the highest return per unit of risk.
- 

## 7. Behavioral Aspects of Portfolio Management

Investors' emotions and cognitive biases can impact portfolio performance:

- Overconfidence: Investors may believe they can predict market movements better than they actually can.
- Herding Behavior: Following the crowd, which can lead to buying at market peaks or selling at market lows.
- Loss Aversion: Investors tend to fear losses more than they value gains, which can lead to overly conservative investment choices.

Portfolio managers aim to mitigate these behaviors through disciplined investment strategies.

---

## **CORPUS OF RS.500000**

### **INVESTED IN THE FOLLOWING ASSETS:**

<b>Equity</b>
<b>ETF</b>
<b>MF</b>
<b>Gold</b>

### **1.EQUITY STOCKS**

Equity stocks, or shares, represent ownership in a company. When you buy equity stocks, you become a partial owner and may receive dividends and capital gains if the company performs well. Shareholders also have voting rights on corporate matters, though the value of stocks can fluctuate based on the company's financial health and market conditions.

### **2.EQUITY MUTUAL FUNDS**

Equity mutual funds pool money from multiple investors to invest primarily in stocks or equity-related instruments. These funds are managed by professional fund managers who aim to generate returns by investing in a diversified portfolio of companies. Investors in equity mutual funds benefit from potential capital appreciation, though returns can be influenced by market volatility.

### **3. DIGITAL GOLD**

Digital gold allows investors to buy and hold gold in electronic form, without the need for physical storage. Each unit of digital gold is backed by actual physical gold, and it can be bought or sold online through platforms at real-time market prices. It offers a convenient way to invest in gold with lower costs and easy liquidity.

### **4. ETF.**

#### **Exchange-Traded Fund (ETF): An Overview**

An Exchange-Traded Fund (ETF) is a type of investment fund and exchange-traded product, meaning it is traded on stock exchanges, much like stocks. ETFs hold assets such as stocks, commodities, or bonds and generally operate with an arbitrage mechanism designed to keep trading close to its net asset value (NAV), though deviations can occasionally occur.

An initial corpus fund of Rs.500000 was available with us on the 23<sup>rd</sup> of September,2024.

The same was invested in asset classes, such as Equity stocks, Equity Mutual Funds , Digital Gold , and ETF in the following weightages respectively (approximate percentages) : 80%, 7% , 6%,7%

The total portfolio value on the 18<sup>th</sup> of October is Rs.445060, which means that the current portfolio showcases a loss of Rs.44416.60. Hence the Portfolio Returns are = -9.074%.

PORTFOLIO

Portfolio Tracker

Portfolio Consist Following Classes:

Asset Name	Asset Type	Closing Price (23rd Sept)	Closing Price (18th Oct)	Daily Price	Quantit	Investment Value	Current Value	Total Return % (18th Oct)
Adani Green Energy Ltd	Equity	2018.6	1,734.00	0	50	100930	86700	-14.10
Bajaj Finserv Nifty 50 ETF	ETF	261.57	251.17	0	50	13078.5	12558.5	-3.98
CPSEETF	ETF	99.35	96.75	0	150	14902.5	14512.5	-2.62
HCLTECH - HCL Technologies Ltd	Equity	1748.25	1857.7	0	20	34965	37154	6.26
HDFC_FOCU_30_180NU20 - HDFC Focused 30 Fund - Direct Plan - Growth Option	MF	259.15	248.88	0	100	25015	24888	-0.51
HFCL	Equity	161.93	129.5	0	395	63962.35	51152.5	-20.03
IEEX - Indian Energy Exchange Ltd	Equity	237.66	190.96	0	60	14259.6	11457.6	-19.65
Invesco India Gold Exchange Traded Fund	Gold	6594	6800.25	0	5	32970	34001.25	3.13
Larsen and Toubro Ltd	Equity	3752.9	3579.25	0	10	37529	35792.5	-4.63
Kotak Nifty Alpha 50ETF	ETF	59.02	56.7		100	5902	5670	-3.93
Waaree Reneeable Tech.	Equity	1895.25	1698.55		75	142143.75	127391.25	-10.38
Aditya Birla Sun Life PSU Equity Fund Direct Growth	MF	38.19	37.82		100	3819	3782	-0.97
						489476.7	445060.1	

Return on different Classes and Composition:

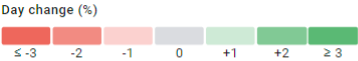
Asset Class	Investment Value	Current Value	Loss/Profit	Composition
Equity	393789.7	349647.85	-44141.85	80%
ETF	33883	32741	-1142	7%
MF	28834	28670	-164	6%
Gold	32970	34001.25	1031.25	7%













TOTAL VALUE (₹)
₹ 4,45,060.10
INVESTED (₹)
₹ 4,89,476.70
RETURN (₹)
₹ -44,416.60
Portfolio Return
-9.074



Your investments visualized

The size of each box represents the total value of the investment in your portfolio. The color represents today's return.



	534618 purchase 9/23/24 · 75 shares at ₹1,895.25	₹142,143.75
	LT purchase 9/23/24 · 10 shares at ₹3,769.65	₹37,696.50
	ALPHA purchase 9/23/24 · 100 shares at ₹59.01	₹5,901.00
	IVZINGOLD purchase 9/23/24 · 5 shares at ₹6,595.00	₹32,975.00
	IEX purchase 9/23/24 · 60 shares at ₹237.29	₹14,237.40
	HFCL purchase 9/23/24 · 395 shares at ₹163.41	₹64,546.95
	HDFC_FOCU_30_1BONUZO purchase 9/23/24 · 100 shares at ₹250.15	₹25,015.00
	HCLTECH purchase 9/23/24 · 20 shares at ₹1,739.05	₹34,781.00
	CPSEETF purchase 9/23/24 · 150 shares at ₹99.19	₹14,878.50
	NIFTYBETF purchase 9/23/24 · 50 shares at ₹261.81	₹13,090.50
	ADIT_BSL_PSU_10JHJEX purchase 9/23/24 · 100 shares at ₹38.19	₹3,819.00
	ADANIGREEN purchase 9/23/24 · 50 shares at ₹1,997.65	₹99,882.50

InvestmentsActivityNews and events

Sort by nameVisualize+ Investment

SYMBOL	NAME	PRICE	QUANTITY		DAY GAIN	VALUE	
ADANGREEN	Adani Green Energy Ltd	₹1,734.00	50	+₹22.50	↑ 0.03%	₹86,700.00	▼
BSL_PBSU_100	Aditya Birla Sun Life PSU Equity ...	₹37.82	100	-₹10.00	↓ 0.26%	₹3,782.00	▼
NIFTYBETF	Bajaj Finserv Nifty 50 ETF	₹251.20	50	+₹82.50	↑ 0.66%	₹12,560.00	▼
CPSEETF	Cpse Etf	₹96.25	150	+₹30.00	↑ 0.21%	₹14,437.50	▼
HCLTECH	HCL Technologies Ltd	₹1,856.55	20	-₹225.00	↓ 0.60%	₹37,131.00	▼
FODOL_30_100	HDFC Focused 30 Fund -Direct ...	₹248.88	100	-₹47.90	↓ 0.19%	₹24,888.20	▼
HFCL	HFCL Ltd	₹129.95	395	-₹1,015.15	↓ 1.94%	₹51,330.25	▼
IEX	Indian Energy Exchange Ltd	₹190.92	60	-₹14.40	↓ 0.13%	₹11,455.20	▼
IFY20GOLD	Invesco India Gold Exchange Tra...	₹6,800.25	5	+₹190.75	↑ 0.56%	₹34,001.25	▼
ALPHA	Kotak Nifty Alpha 50 ETF	₹56.70	100	-₹11.00	↓ 0.19%	₹5,670.00	▼
LT	Larsen and Toubro Ltd	₹3,579.25	10	+₹89.50	↑ 0.25%	₹35,792.50	▼
INDEX	NIFTY 50	24,863.40	-	0.00	↑ 0.46%		▼
534618	Waaree Renewable Technologie...	₹1,698.55	75	-₹3,090.00	↓ 2.37%	₹127,391.25	▼

Security Analysis and Portfolio Management

₹445,139.15    ↓ 9.33%    -45,826.10 1M

Oct 18, 4:01:42 PM UTC+5:30 · INR · Disclaimer




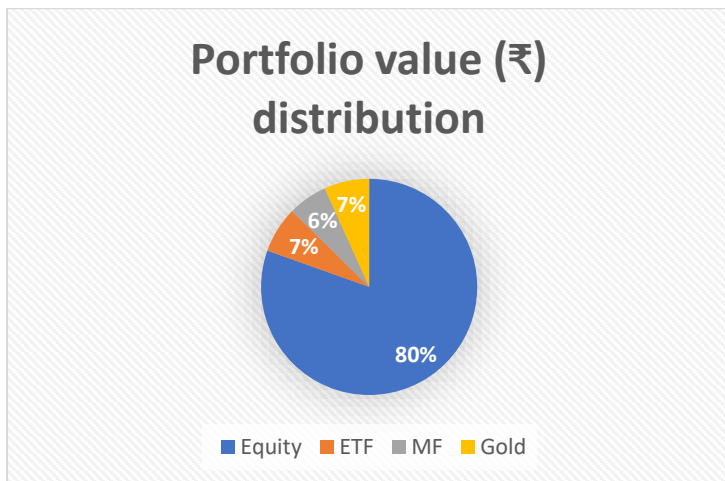
Portfolio highlights

DAY GAIN	TOTAL GAIN
-₹3,998.20 ↓ 0.89%	-₹43,827.95 ↓ 8.96%
<div></div>	
79.9% stocks	₹355,470.20
13.7% ETFs	₹60,998.75
6.4% mutual funds	₹28,670.20
0% climate leader investments	

Compare to

BSE SENSEX 81,068.18 SENSEX    ↓ 2.27%	NIFTY 50 24,798.45 NIFTY_50    ↓ 2.28%	Wilshire 5000 58,547.78 FTW5000    ↑ 4.06%	S&P 500 5,841.47 .INX    ↑ 3.97%
--	--	--	--

SYMBOL	NAME	PRICE	QUANTITY	DAY GAIN	VALUE	
ADANGREEN	Adani Green Energy Ltd	₹2,018.60	50	+₹732.50 ↑0.73%	₹100,930.00	▼
SBLPSU_102	Aditya Birla Sun Life PSU Equity ...	₹38.19	100	-₹9.00 ↓0.24%	₹3,819.00	▼
NIFTYBETF	Bajaj Finserv Nifty 50 ETF	₹261.57	50	+₹105.00 ↑0.81%	₹13,078.50	▼
CPSEETF	Cpse Etf	₹99.35	150	+₹177.00 ↑1.20%	₹14,902.50	▼
HCLTECH	HCL Technologies Ltd	₹1,748.25	20	-₹236.00 ↓0.67%	₹34,965.00	▼
FOCUS_30_100	HDFC Focused 30 Fund -Direct ...	₹250.15	100	+₹123.80 ↑0.50%	₹25,014.50	▼
HFCL	HFCL Ltd 	₹161.93	395	+₹47.40 ↑0.07%	₹63,962.35	▼
IEEX	Indian Energy Exchange Ltd	₹237.66	60	+₹378.60 ↑2.73%	₹14,259.60	▼
INZINGOLD	Invesco India Gold Exchange Tra...	₹6,594.00	5	+₹220.00 ↑0.67%	₹32,970.00	▼
ALPHA	Kotak Nifty Alpha 50 ETF	₹59.02	100	+₹72.00 ↑1.23%	₹5,902.00	▼
LT	Larsen and Toubro Ltd	₹3,752.90	10	-₹410.00 ↓1.08%	₹37,529.00	▼
INDEX	NIFTY 50	25,899.65	-	0.00 ↑0.42%		▼
534618	Waaree Renewable Technologie...	₹1,895.25	75	+₹6,768.75 ↑5.00%	₹142,143.75	▼



Adani Green Energy Ltd	
Date	Oct 18, 2024
Open	1,735.00
High	1,745.50
Low	1,703.00
Close	1,736.05
Adj Close	1,736.05
Volume	4,10,734
Date	Oct 17, 2024
Open	1,750.05
High	1,767.70

HCLTECH - HCL Technologies Ltd		
Date	Oct 18, 2024	
Open	1,867.00	
High	1,875.95	
Low	1,842.90	
Close	1,857.20	
Adj Close	1,857.20	
Volume	41,400	
Date	Oct 17, 2024	
Open	1,879.45	
High	1,879.45	

Low	1,719.00
Close	1,733.55
Adj Close	1,733.55
Volume	3,55,958
Date	Oct 16, 2024
Open	1,760.00
High	1,774.20
Low	1,740.55
Close	1,751.05
Adj Close	1,751.05
Volume	3,77,378
Date	Oct 15, 2024
Open	1,777.00
High	1,783.90
Low	1,750.00
Close	1,763.00
Adj Close	1,763.00
Volume	3,35,436
Date	Oct 14, 2024
Open	1,793.00
High	1,804.35
Low	1,765.05
Close	1,775.35
Adj Close	1,775.35
Volume	3,69,972
Date	Oct 11, 2024
Open	1,782.00
High	1,807.00
Low	1,767.00
Close	1,792.20
Adj Close	1,792.20
Volume	4,75,444
Date	Oct 10, 2024
Open	1,804.70
High	1,804.70
Low	1,758.20
Close	1,780.50
Adj Close	1,780.50
Volume	5,95,689
Date	Oct 9, 2024
Open	1,827.00
High	1,833.95
Low	1,779.45
Close	1,784.45
Adj Close	1,784.45
Volume	5,42,956
Date	Oct 8, 2024
Open	1,751.00

Low	1,852.00
Close	1,867.30
Adj Close	1,867.30
Volume	41,166
Date	Oct 16, 2024
Open	1,869.00
High	1,884.00
Low	1,854.35
Close	1,864.55
Adj Close	1,864.55
Volume	30,558
Date	Oct 15, 2024
Open	1,839.95
High	1,882.00
Low	1,833.65
Close	1,870.05
Adj Close	1,870.05
Volume	2,07,842
Date	Oct 14, 2024
Open	1,849.95
High	1,864.00
Low	1,831.85
Close	1,856.00
Adj Close	1,856.00
Volume	45,681
Date	Oct 11, 2024
Open	1,800.25
High	1,852.00
Low	1,800.25
Close	1,839.55
Adj Close	1,839.55
Volume	1,31,429
Date	Oct 10, 2024
Open	1,821.95
High	1,839.55
Low	1,797.00
Close	1,810.00
Adj Close	1,810.00
Volume	75,223
Date	Oct 9, 2024
Open	1,790.40
High	1,824.65
Low	1,790.40
Close	1,810.10
Adj Close	1,810.10
Volume	99,437
Date	Oct 8, 2024
Open	1,770.05

High	1,822.00
Low	1,725.55
Close	1,813.85
Adj Close	1,813.85
Volume	7,52,389
Date	Oct 7, 2024
Open	1,801.15
High	1,815.10
Low	1,735.00
Close	1,752.45
Adj Close	1,752.45
Volume	6,94,897
Date	Oct 4, 2024
Open	1,811.90
High	1,835.00
Low	1,780.00
Close	1,801.20
Adj Close	1,801.20
Volume	8,83,170
Date	Oct 3, 2024
Open	1,865.00
High	1,868.60
Low	1,775.75
Close	1,807.80
Adj Close	1,807.80
Volume	16,94,940
Date	Oct 1, 2024
Open	1,915.55
High	1,929.55
Low	1,880.00
Close	1,884.95
Adj Close	1,884.95
Volume	7,98,097
Date	Sep 30, 2024
Open	1,985.00
High	1,988.45
Low	1,891.90
Close	1,902.70
Adj Close	1,902.70
Volume	13,69,027
Date	Sep 27, 2024
Open	2,060.00
High	2,084.30
Low	1,963.75
Close	1,981.85
Adj Close	1,981.85
Volume	23,01,548
Date	Sep 26, 2024

High	1,793.80
Low	1,743.30
Close	1,789.25
Adj Close	1,789.25
Volume	18,677
Date	Oct 7, 2024
Open	1,778.05
High	1,804.20
Low	1,768.10
Close	1,776.75
Adj Close	1,776.75
Volume	62,328
Date	Oct 4, 2024
Open	1,777.95
High	1,807.35
Low	1,767.75
Close	1,776.15
Adj Close	1,776.15
Volume	1,51,101
Date	Oct 3, 2024
Open	1,780.15
High	1,809.10
Low	1,770.15
Close	1,776.40
Adj Close	1,776.40
Volume	57,119
Date	Oct 1, 2024
Open	1,794.00
High	1,822.00
Low	1,791.25
Close	1,814.95
Adj Close	1,814.95
Volume	1,01,457
Date	Sep 30, 2024
Open	1,807.05
High	1,820.00
Low	1,789.10
Close	1,794.50
Adj Close	1,794.50
Volume	1,79,749
Date	Sep 27, 2024
Open	1,795.05
High	1,827.85
Low	1,795.05
Close	1,808.70
Adj Close	1,808.70
Volume	1,63,306
Date	Sep 26, 2024

Open	2,080.00
High	2,091.00
Low	2,039.20
Close	2,057.85
Adj Close	2,057.85
Volume	8,04,165
Date	Sep 25, 2024
Open	2,079.00
High	2,087.75
Low	2,027.10
Close	2,066.75
Adj Close	2,066.75
Volume	11,12,406
Date	Sep 24, 2024
Open	2,037.60
High	2,079.65
Low	2,023.70
Close	2,070.55
Adj Close	2,070.55
Volume	22,41,165
Date	Sep 23, 2024
Open	2,028.95
High	2,042.90
Low	1,963.05
Close	2,031.20
Adj Close	2,031.20
Volume	39,76,960

Open	1,754.95
High	1,808.80
Low	1,754.95
Close	1,785.30
Adj Close	1,785.30
Volume	1,01,261
Date	Sep 25, 2024
Open	1,779.00
High	1,784.00
Low	1,755.15
Close	1,782.20
Adj Close	1,782.20
Volume	1,21,138
Date	Sep 24, 2024
Open	1,756.85
High	1,783.10
Low	1,739.50
Close	1,775.95
Adj Close	1,775.95
Volume	31,250
Date	Sep 23, 2024
Open	1,765.00
High	1,765.00
Low	1,732.80
Close	1,752.20
Adj Close	1,752.20
Volume	30,022

HFCL	
Date	Oct 18, 2024
Open	131
High	132.15
Low	127.25
Close	129.95
Adj Close	129.95
	27,13,953
Date	Oct 17, 2024
Open	137.85
High	138.1

IEX - Indian Energy Exchange Ltd			
Date	Oct 18, 2024		
Open	189		
High	192.4		
Low	186.8		
Close	191.1		
Adj Close	191.1		
Volume	2,58,164		
Date	Oct 17, 2024		
Open	195		
High	195		

Low	131.6
Close	132.15
Adj Close	132.15
	15,91,726
Date	Oct 16, 2024
Open	135
High	138.5
Low	134.3
Close	137.85
Adj Close	137.85
	17,47,479
Date	Oct 15, 2024
Open	137.95
High	138.5
Low	134.55
Close	134.95
Adj Close	134.95
	8,43,960
Date	Oct 14, 2024
Open	138.5
High	140.7
Low	136.3
Close	136.7
Adj Close	136.7
Volume	4,59,442
Date	Oct 11, 2024
Open	138.65
High	140.55
Low	137
Close	137.5
Adj Close	137.5
Volume	4,37,528
Date	Oct 10, 2024
Open	139.55
High	141.55
Low	137.9
Close	138.5
Adj Close	138.5
Volume	8,25,660
Date	Oct 9, 2024
Open	141.95
High	142.85
Low	138.65
Close	139.35
Adj Close	139.35
Volume	12,02,534
Date	Oct 8, 2024
Open	130

Low	188.2	
Close	191	
Adj Close	191	
Volume	3,85,200	
Date	Oct 16, 2024	
Open	191.9	
High	195.45	
Low	190.4	
Close	194.55	
Adj Close	194.55	
Volume	3,54,356	
Date	Oct 15, 2024	
Open	196	
High	196.15	
Low	189.4	
Close	191.55	
Adj Close	191.55	
Volume	13,52,379	
Date	Oct 14, 2024	
Open	204.4	
High	204.4	
Low	192.25	
Close	195.85	
Adj Close	195.85	
Volume	8,32,659	
Date	Oct 11, 2024	
Open	204.05	
High	205.2	
Low	202.25	
Close	204.45	
Adj Close	204.45	
Volume	245.708	
Date	Oct 10, 2024	
Open	206	
High	206	
Low	201.1	
Close	202.25	
Adj Close	202.25	
Volume	3,93,416	
Date	Oct 9, 2024	
Open	206	
High	208.9	
Low	203	
Close	203.5	
Adj Close	203.5	
Volume	4,86,514	
Date	Oct 8, 2024	
Open	198.75	

High	141.6
Low	129.1
Close	140.7
Adj Close	140.7
Volume	15,32,575
Date	Oct 7, 2024
Open	140.65
High	141.5
Low	129.3
Close	130.15
Adj Close	130.15
Volume	13,88,134
Date	Oct 4, 2024
Open	141.15
High	143.8
Low	137.45
Close	139.8
Adj Close	139.8
Volume	12,85,389
Date	Oct 3, 2024
Open	145.8
High	147.65
Low	140.4
Close	141.2
Adj Close	141.2
Volume	11,00,938
Date	Oct 1, 2024
Open	148.1
High	152.7
Low	147.5
Close	148.45
Adj Close	148.45
	14,96,826
Date	Sep 30, 2024
Open	150.5
High	151.5
Low	147.75
Close	148.45
Adj Close	148.45
Volume	13,53,335
Date	Sep 27, 2024
Open	154.95
High	156.4
Low	150.5
Close	151.05
Adj Close	151.05
Volume	9,20,673
Date	Sep 26, 2024

High	205.45		
Low	197.6		
Close	204.6		
Adj Close	204.6		
Volume	3,31,091		
Date	Oct 7, 2024		
Open	209		
High	212.3		
Low	197.1		
Close	198.75		
Adj Close	198.75		
Volume	4,57,653		
Date	Oct 4, 2024		
Open	207.95		
High	211.05		
Low	205.55		
Close	207.85		
Adj Close	207.85		
Volume	5,19,640		
Date	Oct 3, 2024		
Open	202.05		
High	211.65		
Low	202.05		
Close	208.9		
Adj Close	208.9		
Volume	14,69,118		
Date	Oct 1, 2024		
Open	204.05		
High	209.5		
Low	203		
Close	208.35		
Adj Close	208.35		
Volume	3,81,533		
Date	Sep 30, 2024		
Open	205.4		
High	207.3		
Low	202.55		
Close	204.05		
Adj Close	204.05		
Volume	14,54,334		
Date	Sep 27, 2024		
Open	210		
High	213.55		
Low	203.65		
Close	205.9		
Adj Close	205.9		
Volume	13,79,404		
Date	Sep 26, 2024		



Open	158
High	158.35
Low	154.1
Close	154.65
Adj Close	154.65
Volume	10,66,660
Date	Sep 25, 2024
Open	156.7
High	159.45
Low	154.9
Close	158.4
Adj Close	158.4
Volume	10,95,625
Date	Sep 24, 2024
Open	161.85
High	163.1
Low	155.5
Close	156.45
Adj Close	156.45
Volume	12,86,358
Date	Sep 23, 2024
Open	165.4
High	171
Low	160.4
Close	161.2
Adj Close	161.2
Volume	39,76,031
Volume	39,76,031

Open	202.7		
High	210.65		
Low	202.7		
Close	208.65		
Adj Close	208.65		
Volume	21,08,021		
Date	Sep 25, 2024		
Open	208.95		
High	210.3		
Low	199.45		
Close	202.5		
Adj Close	202.5		
Volume	36,62,113		
Date	Sep 24, 2024		
Open	240.1		
High	244.35		
Low	209.4		
Close	211.6		
Adj Close	211.6		
Volume	46,09,193		
Date	Sep 23, 2024		
Open	231.55		
High	240		
Low	231.15		
Close	239.25		
Adj Close	239.25		
Volume	14,86,666		

Larsen and Toubro Ltd	
Date	Oct 18, 2024
Open	3,569.95
High	3,592.45
Low	3,540.25
Close	3,577.80
Adj Close	3,577.80
Volume	21,02,465
Date	Oct 17, 2024
Open	3,549.90
High	3.583.00
Low	3.521.80

Close	3,570.30
Adj Close	3,570.30
Volume	29,68,537
Date	Oct 16, 2024
Open	3,550.00
High	3,581.90
Low	3,513.55
Close	3.532.60
Adj Close	3,532.60
Volume	19,61,835
Date	Oct 15, 2024
Open	3,570.00
High	3,570.00
Low	3,520.15
Close	3,551.90
Adj Close	3,551.90
Volume	12,31,552
Date	Oct 14, 2024
Open	3,510.00
High	3,573.85
Low	3,501.30
Close	3,555.05
Adj Close	3,555.05
Volume	19,74,378
Date	Oct 11, 2024
Open	3,469.40
High	3,497.10
Low	3,447.00
Close	3,482.55
Adj Close	3,482.55
Volume	12,80,465
Date	Oct 10, 2024
Open	3,515.00
High	3,554.90
Low	3.455.50
Close	3,460.35
Adj Close	3,460.35
Volume	26,86,116
Date	Oct 9, 2024
Open	3,542.05
High	3,557.70
Low	3,481.00
Close	3.487.10
Adj Close	3,487.10
Volume	16,45,791
Date	Oct 8, 2024
Open	3,492.95
High	3,538.50

Low	3,469.00
Close	3,532.40
Adj Close	3,532.40
Volume	22,49,452
Date	Oct 7, 2024
Open	3,505.00
High	3.512.95
Low	3,429.00
Close	3,468.35
Adj Close	3,468.35
Volume	23,04,227
Date	Oct 4, 2024
Open	3,515.00
High	3,553.55
Low	3,468.50
Close	3,493.95
Adj Close	3,493.95
Volume	34,45,879
Date	Oct 3, 2024
Open	3,582.50
High	3,617.00
Low	3,485.40
Close	3,497.65
Adj Close	3,497.65
Volume	53,15,877
Date	Oct 1, 2024
Open	3,667.00
High	3,724.00
Low	3,639.35
Close	3,653.50
Adj Close	3,653.50
Volume	16,74,100
Date	Sep 30, 2024
Open	3,699.00
High	3,715.65
Low	3,665.00
Close	3,675.55
Adj Close	3,675.55
Volume	18,37,697
Date	Sep 27, 2024
Open	3,738.00
High	3,738.00
Low	3,651.00
Close	3,705.65
Adj Close	3,705.65
Volume	40,95,425
Date	Sep 26, 2024
Open	3,801.00

High	3,802.95
Low	3,736.40
Close	3,762.15
Adj Close	3,762.15
Volume	27,50,597
Date	Sep 25, 2024
Open	3,787.55
High	3,813.20
Low	3,778.00
Close	3,793.85
Adj Close	3,793.85
Volume	21,13,862
Date	Sep 24, 2024
Open	3,787.70
High	3,831.80
Low	3,775.00
Close	3,791.60
Adj Close	3,791.60
Volume	26,76,546
Date	Sep 23, 2024
Open	3,800.00
High	3,838.80
Low	3,749.00
Close	3,787.70
Adj Close	3,787.70
Volume	19,37,874

Waaree Reneeable Tech.						
Date	Price	Open	High	Low	Vol.	Change %
18-10-2024	1,700.00	1,750.00	1,750.00	1,655.00	103.47K	-2.28%
17-10-2024	1,739.75	1,797.50	1,797.50	1,730.15	85.27K	-1.92%
16-10-2024	1,773.80	1,755.00	1,830.00	1,734.00	138.00K	-0.03%
15-10-2024	1,774.40	1,816.00	1,828.45	1,758.00	126.14K	-0.79%
14-10-2024	1,788.45	1,780.00	1,825.00	1,730.00	177.01K	1.86%
11-10-2024	1,755.80	1,672.20	1,755.80	1,672.20	147.73K	5.00%
10-10-2024	1,672.20	1,715.00	1,720.00	1,660.00	80.60K	-1.91%
09-10-2024	1,704.75	1,713.00	1,770.00	1,685.00	92.80K	0.41%
08-10-2024	1,697.80	1,595.00	1,724.90	1,594.80	141.60K	1.14%
07-10-2024	1,678.70	1,787.95	1,790.00	1,678.70	130.14K	-5.00%

04-10-2024	1,767.05	1,740.00	1,825.00	1,726.25	147.70K	-1.46%
03-10-2024	1,793.20	1,801.00	1,868.35	1,792.90	201.44K	-4.98%
01-10-2024	1,887.25	1,912.00	1,941.00	1,860.00	103.08K	-0.88%
30-09-2024	1,904.10	1,918.70	1,984.70	1,865.00	228.50K	-1.10%
27-09-2024	1,925.20	1,756.00	1,925.20	1,742.00	411.65K	5.00%
26-09-2024	1,833.55	1,930.00	1,930.05	1,833.55	233.96K	-5.00%
25-09-2024	1,930.05	2,015.00	2,074.95	1,891.00	676.57K	-3.01%
24-09-2024	1,990.00	1,990.00	1,990.00	1,990.00	107.50K	5.00%
23-09-2024	1,895.25	1,830.00	1,895.25	1,820.00	402.91K	5.00%
20-09-2024	1,805.00	1,805.00	1,805.00	1,753.45	744.51K	5.00%
19-09-2024	1,719.05	1,749.00	1,769.05	1,626.75	828.65K	1.99%
18-09-2024	1,685.45	1,685.45	1,685.45	1,553.10	1.27M	5.00%

## Conclusion

Portfolio management is a dynamic and intricate process that requires a deep understanding of both market trends and individual investor needs. Successful portfolio management involves balancing risk and return, diversifying investments, continuously monitoring and adjusting the portfolio, and applying both quantitative and qualitative analyses. By understanding these principles and carefully implementing them, investors can achieve their financial goals while minimizing unnecessary risks.