



# Mangalmay Institute of Management Technology

Greater Noida (U.P.)



**MANGALMAY**  
INSTITUTE OF MANAGEMENT TECHNOLOGY

Greater Noida



## **ADD ON** **CERTIFICATION PROGRAM** **on**

**Virtual Portfolio Management:  
Stock Market Simulation**

### **BBA 1st Year students**

**Date: 27th March, 2024 to 29 April, 2024**

**Time: 2:00 PM - 5:00 PM | Venue: Computer Lab, B Block**

**Coordinator:**  
**Dr. Anuradha Singh**



**Resource Person**  
**Dr. Karminder Ghuman**

**Toll-Free : 1800 103 3797 | [www.mangalmay.net.in](http://www.mangalmay.net.in)**  
Plot No. 8 & 9, Knowledge Park-II, Greater Noida, Delhi-NCR, India



# Mangalmai Institute of Management Technology Greater Noida (U.P.)



Mangalmai Institute of Management Technology  
Greater Noida (U.P.)



Date: 20-03-2023

## NOTICE

Mangalmai Institute of Management and Technology is organizing an add-on certification program on "Virtual Portfolio Management: Stock Market Simulation" for BBA students.

The details of the program are as follows:

Topic : "Virtual Portfolio Management: Stock Market Simulation"  
Date : 27<sup>th</sup> March 2024 to 29<sup>th</sup> April 2024  
Time : 2PM-5PM  
Venue : Computer Lab, B-Block  
Coordinator : Dr Anuradha Singh, Assistant Professor  
Resource Person: Dr Karminder Ghuman

  
Associate Dean  
MIMT

CC to:  
Principal, MIMT  
IQAC, MIMT  
HOD/Co-ordinators  
Faculty members  
Student Notice Board  
Office File



## **Syllabus**

**(33 hours)**

### **Module 1: Fundamentals of Stock Markets and Investing (12 Hours)**

1. Introduction to Stock Markets and Portfolio Management  
Overview of stock markets, including market structure, types of markets, and basic principles of portfolio management.
2. Basics of Financial Statements and Analysis  
Introduction to financial statements such as income statements, balance sheets, and cash flow statements, and how to analyze them.
3. Understanding Stock Valuation  
Techniques for valuing stocks, including valuation methods like discounted cash flow (DCF) and price-to-earnings (P/E) ratios.
4. Technical Analysis Basics  
Fundamentals of technical analysis, including chart patterns, technical indicators, and how to use them to make trading decisions.

### **Module 2: Building and Managing Investment Portfolios (9 Hours)**

5. Portfolio Construction and Diversification  
Strategies for building and diversifying a portfolio to balance risk and return.
6. Risk Management and Asset Allocation  
Principles of risk management and strategies for asset allocation to mitigate risk and optimize returns.
7. Evaluating Investment Performance  
Methods for assessing the performance of investments and portfolios, including performance metrics and analysis techniques.

### **Module 3: Advanced Trading and Investment Strategies (9 Hours)**



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8. Trading Strategies and Tools  
Exploration of various trading strategies and tools used by traders, including algorithmic trading and advanced trading platforms.
9. Advanced Trading Techniques  
In-depth discussion of sophisticated trading techniques, such as high-frequency trading and the use of advanced order types.
10. Behavioural Finance and Market Psychology  
Understanding how psychological factors and behavioral biases affect market decisions and investor behavior.

### **Module 4: Ethical and Regulatory Considerations (3 Hours)**

11. Ethical Investing and Regulatory Considerations  
Exploration of ethical investing practices, including socially responsible and sustainable investing, and understanding regulatory frameworks and compliance requirements.



**Schedule**

<b>Session</b>	<b>Date</b>	<b>Time</b>	<b>Duration</b>	<b>Topic</b>
1	27-Mar-24	02:00 PM - 05:00 PM	3 hours	Introduction to Stock Markets and Portfolio Management
2	29-Mar-24	02:00 PM - 05:00 PM	3 hours	Basics of Financial Statements and Analysis
3	03-Apr-24	02:00 PM - 05:00 PM	3 hours	Understanding Stock Valuation
4	05-Apr-24	02:00 PM - 05:00 PM	3 hours	Technical Analysis Basics
5	10-Apr-24	02:00 PM - 05:00 PM	3 hours	Portfolio Construction and Diversification
6	12-Apr-24	02:00 PM - 05:00 PM	3 hours	Risk Management and Asset Allocation
7	17-Apr-24	02:00 PM - 05:00 PM	3 hours	Trading Strategies and Tools
8	19-Apr-24	02:00 PM - 05:00 PM	3 hours	Behavioural Finance and Market Psychology
9	24-Apr-24	02:00 PM - 05:00 PM	3 hours	Evaluating Investment Performance
10	26-Apr-24	02:00 PM - 05:00 PM	3 hours	Advanced Trading Techniques



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11	29-Apr-24	02:00 PM - 05:00 PM	3 hours	Ethical Investing and Regulatory Considerations
	30-Apr-24	02:00 PM- 03:00 PM	1 Hour	Assessment



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<b>Report</b>	
Name of Activity	Certificate Course on Virtual Portfolio Management: Stock Market Simulation
Date	27-03-2024 to 29-04-24
Venue	Computer Lab, B Block, Mangalmai Institute of Management and Technology
Organized by	Department of Management, Mangalmai Institute of Management & Technology
Participation by	BBA 1st Year
No. of Participants	55
Resource Person	Dr. Karminder Ghuman
Activity Convener	Dr. Anuradha Singh
Objective	<ol style="list-style-type: none"><li><b>Skill Development:</b> The program aims to develop participants' skills in portfolio management, asset allocation, risk management, and investment decision-making through virtual trading platforms.</li><li><b>Experiential Learning:</b> Participants will engage in simulated trading activities that mirror real-world market conditions, allowing them to apply theoretical concepts to practical scenarios without the risk of financial loss.</li><li><b>Understanding Market Dynamics:</b> By participating in stock market simulations, participants will gain insights into market dynamics, including price movements, market trends, and investor sentiments, enhancing their ability to interpret and respond to market changes.</li><li><b>Risk Management:</b> The program emphasizes the importance of risk management strategies in portfolio construction and investment decision-making, enabling participants to mitigate potential losses and optimize portfolio performance.</li><li><b>Evaluation and Feedback:</b> Participants will receive feedback on their investment strategies and portfolio performance, enabling them to identify strengths and areas for improvement, thereby enhancing their skills as portfolio managers.</li><li><b>Preparation for Career Opportunities:</b> The program equips participants with practical experience and industry-relevant skills sought by employers in the finance and investment sector, enhancing</li></ol>



	<p>their employability and career prospects in portfolio management, asset management, financial analysis, and related fields.</p> <p>7. <b>Networking Opportunities:</b> Participants will have the opportunity to network with industry professionals, fellow participants, and instructors, facilitating knowledge exchange and collaboration within the finance and investment community.</p>
Content	<p>Day 1: Introduction to Stock Markets and Portfolio Management</p> <p>On the first day, participants were introduced to the fundamentals of stock markets and the principles of portfolio management. Dr. Karminder Ghuman explained the various types of financial markets, the role of stock exchanges, and the basics of trading. Participants learned about the importance of portfolio diversification and the steps involved in building a successful investment portfolio.</p> <p>Day 2: Basics of Financial Statements and Analysis</p> <p>The second day focused on the basics of financial statements and their analysis. Dr. Ghuman covered the key components of financial statements, including the balance sheet, income statement, and cash flow statement. Participants learned how to interpret these statements to assess a company's financial health and performance.</p> <p>Day 3: Understanding Stock Valuation</p> <p>On the third day, participants delved into the methods of stock valuation. Dr. Ghuman explained intrinsic and relative valuation techniques, including discounted cash flow (DCF) analysis and price-to-earnings (P/E) ratios. The session provided insights into determining the fair value of stocks and making informed investment decisions.</p> <p>Day 4: Technical Analysis Basics</p> <p>The fourth day introduced the basics of technical analysis. Dr. Ghuman covered key concepts such as chart patterns, technical indicators, and trading signals. Participants learned how to analyze price movements and volume data to predict future stock price trends and make trading decisions.</p>





**Day 5: Portfolio Construction and Diversification**

On the fifth day, the focus was on portfolio construction and diversification. Dr. Ghuman discussed strategies for selecting a mix of assets to minimize risk and maximize returns. Participants learned about asset allocation, sector diversification, and the benefits of having a balanced investment portfolio.

**Day 6: Risk Management and Asset Allocation**

Day six emphasized risk management and asset allocation strategies. Dr. Ghuman explained different types of risks, including market risk, credit risk, and liquidity risk. Participants learned techniques to manage these risks and how to allocate assets effectively to optimize portfolio performance.

**Day 7: Trading Strategies and Tools**

The seventh day covered various trading strategies and the tools used for effective trading. Dr. Ghuman introduced participants to different trading styles such as day trading, swing trading, and long-term investing. The session also included an overview of trading platforms and analytical tools.

**Day 8: Behavioural Finance and Market Psychology**

On the eighth day, the impact of behavioral finance and market psychology on investment decisions was examined. Dr. Ghuman discussed common psychological biases that affect investors, such as overconfidence and herd behavior. Participants learned strategies to mitigate these biases and improve their investment decisions.

**Day 9: Evaluating Investment Performance**

In Session 9, the resource person focused on evaluating investment performance. Participants learned to assess their investments using key metrics such as returns, risk-adjusted returns, Sharpe ratios, and alpha and beta coefficients. We explored various tools and methodologies for performance analysis, including benchmarking and performance attribution. The session involved practical exercises where participants analyzed sample portfolios to determine how well their investments were performing relative to their goals and risk profiles. By examining case studies, participants



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	<p>gained insights into effective strategies for improving investment outcomes and aligning them with long-term financial objectives.</p> <p>Day 10: Advanced Trading Techniques</p> <p>The session delved into advanced trading techniques used by experienced traders. Participants explored algorithmic trading, high-frequency trading, and sophisticated trading platforms. The session covered various order types and execution strategies, emphasizing the use of technology in optimizing trade execution and enhancing market efficiency. Practical examples and demonstrations illustrated how to implement these advanced techniques to gain a competitive edge in trading. By the end of the session, participants understood how to apply these techniques to improve their trading strategies and decision-making processes.</p> <p>Day 11: Ethical Investing and Regulatory Considerations</p> <p>The resource person examined ethical investing and the importance of regulatory compliance in financial markets. Participants explored socially responsible and sustainable investing strategies, learning how to evaluate investments based on ethical criteria such as environmental, social, and governance (ESG) factors. The session also covered key regulations and compliance requirements, providing an overview of legal standards and ethical considerations for investors. By discussing real-world examples and regulatory frameworks, participants gained a comprehensive understanding of how to incorporate ethical and regulatory considerations into their investment practices.</p>
Assessment	At the end of the course on ‘Stock Market Simulation’, an MCQ assessment was assigned to assess the understanding level of the students.
Outcome of Activity	The outcome of the Certificate Course on Virtual Portfolio Management: Stock Market Simulation was to equip students with the knowledge, skills, and confidence to navigate the complexities of the stock market, manage virtual portfolios with proficiency, and make informed investment decisions in real-world scenarios.



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### PROFILE OF THE RESOURCE PERSON

#### Dr. Karminder Ghuman

**Dr. Karminder Ghuman, 15+ Years of Educational Experience,** is the Chief Strategic Advisor of B-School Bulls and the Chief Coordinator at the Science & Technology Entrepreneurship Park at Thapar University, Patiala. Dr. Ghuman aspires to be a world-class management faculty and corporate trainer with a distinguished career as a management faculty, trainer, consultant, researcher, author, and administrator. His expertise spans various specialties, including communication skills, conflict management, creativity and innovation, leadership, presentation skills, quality control, research, selling skills, and time management. Dr. Ghuman's comprehensive skill set and dedication to excellence make him a pivotal figure in academic and corporate circles.



**Glimpses of the course:** Students engaging in hands-on practice using the virtual platform of Big Business Bulls stock market simulation.



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Students attending the session



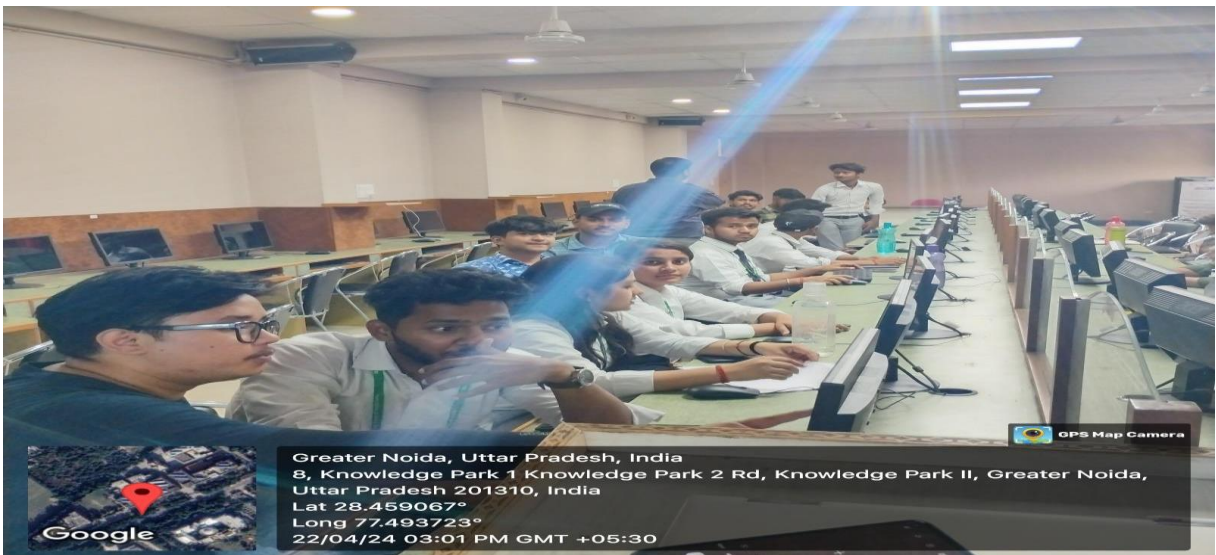


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Students attending the session



Students attending the session



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### Sample Certificate



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## CERTIFICATE

It is to certify that **Ms. AANYA SINGH** of **BBA 1st year** has successfully completed **33 hours** certification course on **“Virtual Portfolio Management: Stock Market Simulation”** from **27/03/2024 to 29/04/2024** organized by Mangalmay Institute of Management & Technology, Greater Noida.



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Mangalmay Group of  
Institutions



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**IQAC Coordinator**  
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Course: BBA

## ADD-ON COURSE QUIZ

Course name: Virtual Portfolio Management Stock Market Simulation

36  
40

Date: 30-4-24  
Name: Aanya Singh

Roll no- 230992010193

Instructor Sign-

**General Instructions:** Each question carries 2 marks. All questions are compulsory.

1. What is the primary objective of portfolio management?

- a) To maximize risk
- b) To minimize returns
- c) To balance risk and return
- d) To avoid investments

2. Which of the following is a key component of stock market simulation?

- a) Real-time trading with actual money
- b) Hypothetical trading with virtual money
- c) Investing in real estate
- d) Purchasing commodities

3. In stock market simulations, what is typically used to simulate trading activities?

- a) Virtual money
- b) Real stocks
- c) Cryptocurrency
- d) Bonds

4. Which tool is commonly used for technical analysis in stock trading?

- a) Balance sheets
- b) Income statements
- c) Moving averages
- d) Cash flow statements



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5. What does 'diversification' mean in portfolio management?

- a) Investing in a single asset
- b) Spreading investments across various assets
- c) Selling all investments
- d) Investing only in high-risk stocks

6. Which of the following is a benefit of virtual portfolio management?

- a) High transaction fees
- b) Real financial losses
- c) Risk-free learning environment
- d) Guaranteed high returns

7. What is the purpose of a stock market index?

- a) To represent the value of one particular stock
- b) To measure the performance of a group of stocks
- c) To predict future stock prices
- d) To determine interest rates

8. What does 'beta' measure in stock analysis?

- a) Company's profitability
- b) Stock's volatility relative to the market
- c) Stock's dividend yield
- d) Market capitalization

9. Which of the following is a strategy for managing portfolio risk?

- a) Investing all funds in a single stock
- b) Ignoring market trends
- c) Diversifying investments
- d) Following rumours

10. In a stock market simulation, what does 'paper trading' refer to?

- a) Trading stocks using real money
- b) Using physical stock certificates
- c) Simulating trades without using real money





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d) Investing in paper products

11. Which factor is least likely to affect stock prices?

- a) Company earnings reports
- b) Global economic indicators
- c) Personal opinions of non-investors
- d) Political events

12. What is the role of a portfolio manager?

- a) To buy stocks randomly
- b) To manage and allocate assets within a portfolio
- c) To sell off all assets frequently
- d) To predict exact future prices

13. Which type of analysis focuses on a company's financial statements?

- a) Technical analysis
- b) Fundamental analysis
- c) Sentiment analysis
- d) Market trend analysis

14. What is the primary purpose of a stop-loss order?

- a) To buy more stocks at a high price
- b) To sell a stock automatically when it reaches a certain price
- c) To hold stocks indefinitely
- d) To guarantee a profit

15. Which of the following represents a good practice in virtual portfolio management?

- a) Ignoring portfolio reviews
- b) Regularly monitoring and adjusting the portfolio
- c) Investing only in highly volatile stocks
- d) Following investment advice blindly



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16. What does the term 'bull market' signify?

- a) A declining market
- b) A sideways market
- c) A rising market
- d) A stagnant market

17. Which of the following is an example of a derivative instrument?

- a) Stock
- b) Bond
- c) Option
- d) Mutual fund

18. What is meant by 'market capitalization'?

- a) The total value of a company's outstanding shares
- b) The total revenue of a company
- c) The company's net income
- d) The company's asset value

19. In portfolio management, what is 'asset allocation'?

- a) Investing all money in one type of asset
- b) Distributing investments among different asset categories
- c) Keeping all money in cash
- d) Focusing on one geographic region

20. Which of the following best describes 'liquidity' in the context of stock trading?

- a) The ease with which an asset can be bought or sold without affecting its price
- b) The long-term value of an asset
- c) The profitability of an asset
- d) The interest rate on an asset



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### List of Beneficiary for Share Market Certificate Course:

S.NO.	Roll Number	Student Name	Registered
1	230992010193	AANYA SINGH	Registered
2	230992010194	AARADHYA DIXIT	Registered
3	230992010195	AASTHA PODDAR	Registered
4	230992010201	ABHAY RAJ MISHRA	Registered
5	230992010202	ABHAY SINGH	Registered
6	230992010211	ABHISHEK SINGH	Registered
7	230992010212	ADARSH SINGH	Registered
8	230992010224	ADVEIT SINGH	Registered
9	230992010227	AKANSHA BHAGAT	Registered
10	230992010228	AKHILESH PRAJAPATI	Registered
11	230992010230	AKSHRA AGARWAL	Registered
12	230992010233	AMAN SINGH	Registered
13	230992010235	AMBIKA KUMARI	Registered
14	230992010236	AMMAR ALAM	Registered
15	230992010242	ANJALI BHATI	Registered
16	230992010243	ANJALI RAWAT	Registered
17	230992010247	ANKIT BAGHEL	Registered
18	230992010248	ANKIT KUMAR SINGH	Registered
19	230992010255	ANSHIKA VISHWAKARMA	Registered
20	230992010267	ARYAN BHATI	Registered
21	230992010268	ARYAN BHATI	Registered
22	230992010270	ASHISH KUMAR	Registered
23	230992010272	ATUL TOMAR	Registered
24	230992010273	AVINESH	Registered
25	230992010274	AVINIT KUMAR CHAUDHARY	Registered
26	230992010276	AYUSH CHHABRA	Registered
27	230992010279	AYUSH KUMAR TIWARI	Registered
28	230992010284	BHUPENDER	Registered



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29	230992010288	CHHAVI GOYAL	Registered
30	230992010291	DANISH SAIFI	Registered
31	230992010294	DEEPANSHU PARWAT	Registered
32	230992010297	DEVASHISH	Registered
33	230992010298	DHEERAJ SHARMA	Registered
34	230992010305	DRISHTI SHARMA	Registered
35	230992010306	EKTA SARASWAT	Registered
36	230992010313	GODLEE	Registered
37	230992010317	GUNJAN SINGHAL	Registered
38	230992010318	GURU CHARAN MAHTO	Registered
39	230992010319	HARIOM	Registered
40	230992010321	HARSH BANSAL	Registered
41	230992010343	JATIN SINGH NEGI	Registered
42	230992010344	JAYA JAISWAL	Registered
43	230992010350	KARAN SINGH JALAL	Registered
44	230992010366	KUNAL BHATI	Registered
45	230992010367	KUNAL KUMAR	Registered
46	230992010372	LUVKUSH SINGH	Registered
47	230992010375	MANISHA ROY	Registered
48	230992010379	MANSI CHOUDHARY	Registered
49	230992010396	MOHD SHADAB	Registered
50	230992010397	MOHIT NAGAR	Registered
51	230992010402	MUKESH KUMAR	Registered
52	230992010403	MUSHARRAF ALI	Registered
53	230992010404	MUSKAN	Registered
54	230992010409	NAIMUDDIN ALAM	Registered
55	230992010410	NANDAN RAI	Registered



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### Status of Students for Add on certificate of Stock Market Simulation:

S. No.	Roll No.	Student's Name	Registered	Status
1	230992010193	AANYA SINGH	Registered	Completed
2	230992010194	AARADHYA DIXIT	Registered	Completed
3	230992010195	AASTHA PODDAR	Registered	Completed
4	230992010201	ABHAY RAJ MISHRA	Registered	Completed
5	230992010202	ABHAY SINGH	Registered	Completed
6	230992010211	ABHISHEK SINGH	Registered	Completed
7	230992010212	ADARSH SINGH	Registered	Completed
8	230992010224	ADVEIT SINGH	Registered	Completed
9	230992010227	AKANSHA BHAGAT	Registered	Completed
10	230992010228	AKHILESH PRAJAPATI	Registered	Completed
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