

Programme: PGDM Trimester: IV Period: July'19 – Sept'19

Course Code: PGDM-4-F03

Name of the subject: Security Analysis & Portfolio Management

Maximum marks: 100 (60+40) No. of Sessions:10 (3 hrs each)

Name of the Faculty: Prof. Siddhesh Soman

Mobile No: 9664360948 Email: ssoman@vpmthane.org

Program Outcomes (PO)

- **1.** Enhance analytical and problem-solving skills
- 2. Interpret and analyse information in order to evaluate and make sound decision
- 3. Ability to develop leadership skills
- **4.** Inculcate social sensitivity among students.

Course Outcomes (CO)

- **1.** Analyse the factors affecting the prices of different assets and generating an optimum portfolio.
- **2.** Evaluate portfolios based on portfolio return-risk aspects & modern portfolio theory
- **3.** Application of analytical techniques to Predict price movements

Reference Books:

- R1. Security Analysis & Portfolio Management, Fischer & Jordan
- R2. Investment Analysis & Portfolio Management, Reilly & Brown
- R3. CFA Institute (USA), Portfolio Management Curriculum

A. Plan:

| Session No. | PI. Date | <u>Topic</u> | Ref. Study Material | Course Outcomes |
|----------------|-------------|---|---------------------|---|
| 1 | | Introduction to Securities & Risk and return analysis (Problem solving) | R1 & R2 | Evaluate risk & return of a security using mean & standard deviation, variance for observation based & Probability based models |
| 2 | | Capital Market Theories (Theory + Problem solving) | R1 | Analyse covariance, correlation & beta. Infer Systematic & unsystematic risk, introduction to CAPM equation. |
| 3 | | CAPM in-depth & Understanding Graphs (Theory + Problem solving) | R2 | Apply CAPM & expected return calculation. Construct Efficient Frontier, Minimum Variance - |

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|-----------|--|--|-----------|---|
| | | | | Portfolio, CAL, CML, characteristic line, Decision making using SML. |
| 4 | Internal Test + Portfolio Theory (Problem Solving) | | R1 & R3 | Assess portfolio risk & importance of correlation. Calculation of Portfolio return & portfolio beta |
| <u>5</u> | E: | xcel session | NA | Apply excel to calculate Beta, CAPM, SML, Portfolio creation. |
| <u>6</u> | Fa TI So | ifficient Market Hypothesis, factor Models & Arbitrage Pricing heory (Only theory No problem olving) | R2 | Interpret Efficient Market Hypothesis, APT, Random Walk Theory |
| 7 | | nvestment Decision Theory Problem solving) | R3 | Comparing securities based on Sharpe, Treynor & Jenson's Alpha, M square, Coefficient of variation. |
| <u>8</u> | В | nternal Test + Indexing & Benchmarking (Only theory No broblem solving) | R3 | Index creation, Index funds, Calculation of Index values, Index investing, Benchmarking, Evaluation of portfolio |
| 9 | | echnical Analysis (only basic overview No problem solving) | R1 | Explanation of Line charts, Bar charts, candle stick charts, Trend lines, Dow Jones Theory, Support-Resistance, Moving Averages, Bollinger bands, Ascending Descending Triangle, Double & Triple Top & bottom, Cup & handle, Head & Shoulders |
| <u>10</u> | <u>P</u> | Presentation | NA | Develop practical application of theory |



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B. Practical Approach: Other activities

| Sr. No. | Activity Name | Topic Covered | Learning outcomes | Source |
|---------|---------------------------------------|--|---|----------------------------|
| 1 | Case study (current affairs) | CAPM, Portfolio | Practical understanding | Moneycontrol.c om, rbi.org |
| 2 | Academic Projects | Presentation on financial concepts | In-depth understanding of latest issues in finance world | NA |
| 3 | Group Discussion | | | |
| 4 | Role Play | | | |
| 5 | Industry Visit | | | |
| 6 | Business Quiz / Business News sharing | Every Session | Be in touch with all the latest happenings | Economic Times |
| 7 | Videos / Simulation | MBS, CDO | Effectively understand the concepts | YouTube |
| 8 | Use of Software and Labs | | · | |
| 9 | Any other activity | | | |

A. <u>Innovative pedagogy adopted</u>: 1) Ask students to bring every session at least one news article related to what we studied in class. So that they took interest in understanding the concepts theoretically as well learn the practical use of those concepts. 2) Ask students to prepare a virtual portfolio on moneycontrol & track it regularly 3) Show video clips for understanding complex financial concepts in an easier manner

| Prepared by: Faculty | Reviewed by: Specialisation | Approved by: ADC |
|-------------------------|--------------------------------|---------------------|
| | | |
| Date: | Date: | Date: |



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A. Execution:

| Session No. | Actual Date | Topic Covered | Attendance % | Evaluation Method | Case Study Ref. | Quiz Ref. | CR Sign |
|----------------|----------------|---------------|--------------|----------------------|--------------------|--------------|---------|
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B. Evaluation:

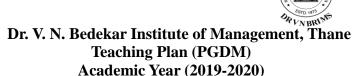
| Component | Details | Marks |
|--------------------------|-------------------------------------|-------|
| Presentations & Viva | Mandatory | 5+5 |
| Class Test (2 for PGDM) | Mandatory (MCQ, Descriptive,. Etc) | 20 |
| Assignments / Others | Mandatory | 5 |
| Participation/Attendance | Mandatory | 5 |
| Final Exam | Mandatory | 60 |

C. Student Performance Analysis:

| Avg. Attendance | Avg. Internal Marks | % Failed in Internals | Avg. Final Marks | % Failed in Final | No. of best students > 80% | No. of students needs improvement |
|--------------------|------------------------|-----------------------|---------------------|-------------------|----------------------------|-----------------------------------|
| | | | | | | |

D. Attainment:

| | CO1 | CO2 | CO3 | |
|-----|-----|-----|-----|--|
| PO1 | | | | |
| PO2 | | | | |



| PO3 | | , | |
|-----|--|---|--|
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| Comments | / Suggestions | / Recommendations: |
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Suggestions (if any) to students on subject related Certificate/Diploma or Add-on program: -

Signature of Faculty

Signature of the Co-ordinator / ADC