



Dr. V. N. Bedekar Institute of Management Studies, Thane
Teaching Learning Plan - MMS
Academic Year: 2020-2021

Programme: MMS Semester: III Period: July'2020 – Dec'2020
Course Code : MMS
Name of the subject: Financial Modeling
Maximum marks: 100 (60+40) No. of Sessions: 14(3 hrs each)

Name of the Faculty: Prof. Dipti Periwal
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| Program Outcomes (PO) | Course Outcomes (CO) |
|--|---|
| <ol style="list-style-type: none">1. Nurture leadership skills, team-membership skills and mutual trust.2. Demonstrate decision-making ability.3. Ability to develop culture of technology-usage.4. Inculcate social sensitivity among students.5. Integrate and apply business knowledge and management techniques for problem-solving / analytical skills. | <ol style="list-style-type: none">1. Develop proficiency in excel for Financial Models statements.2. Construct financial models for Valuations and scenario analysis |

Reference Books:

B1 Financial Analysis and Modeling Using Excel and VBA by Chandan Sengupta
B2 Simon Beninga, Financial Modelling

A. Plan:

| Session No. | Pl. Date | Topic | Ref. Study Material | Course Outcomes |
|--------------------|-------------------|---|--------------------------------------|--|
| 1 | 04/08/2020 | Introduction to Financial Modelling Case – Siemens | R1 | Analysis of Financial Statement and Annual Reports |
| 2 | 11/08/2020 | How to read Annual Reports – Variables of Model , Create revenue models | 10K Annual Reports | Analyse Annual Reports for revenue drivers |
| 3 | 18/08/2020 | Financial Feasibility of Model –Income | 10K Annual Reports, moneycontrol.com | Analyse ratios-based Trends (YOY) and Cross-sectional parameters |

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|-------------------------|-----------------------------|--|--|--|
| | | and Expenditure statements -Cost of Sales, | | |
| <u>4</u> | <u>25/08/2020</u> | Other Expenditures, Interest Taxation and Schedules | 10K Annual Reports, | Revenue Model – Based on Geographical location and ranges of products, create |
| <u>5</u> | <u>01/09/2020</u> | Balance Sheet – Working Capital Schedules, Fixed Assets schedules | <u>Annual Reports Excel sheet</u> <u>Banking Sector</u> | Create excel schedules to predict future balance sheet |
| <u>-6</u> | <u>08/09/2020</u> | Assumption sheet, sensitivity and scenario analysis. | <u>EXCEL Sheet</u> | Evaluate company's performance by sensitivity and scenario analysis. Predict future cash flows based on income statements. |
| <u>7</u> | <u>15/09/2020</u> | Case study of Real Estate sector – Financial Modeling and Cash flow statements | | |
| <u>8</u> | <u>22/09/2020</u> | Expected Rate of return sensitivity and cost of capital | <u>Annual Report</u> | Analyse risk and return associated with modelling of data |
| <u>9</u> | <u>22/09/2020</u> | Ratio analysis | | Analyse companies' trough ratios and predict future profitability |
| <u>10</u> | <u>29/09/2020</u> | Equity Valuations- DCF, Relative valuations | Moneycontrol. Screener | Create valuation models |
| <u>11</u> | <u>06/10/2020</u> | Equity Valuations – Assets Based Valuations | Company Website Moneycontrol. Screener | Create valuation models |
| <u>12</u> | <u>13/10/2020</u> | Linking Models and comparing with real numbers. | Excel Sheets and Company Website | Evaluate deficiencies of the model |
| <u>13 &4</u> | <u>20-27/10/2020</u> | Presentations | | Evaluations |

B. Practical Approach: Other activities

| Sr. No. | Activity Name | Topic Covered | Learning outcomes | Source |
|---------|--------------------|--------------------------|---|------------------------|
| 1 | Sectorial Analysis | Analysis of real company | To practically understand how to analyse a particular company | Company Annual Report. |

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|---|---------------------------------------|--|--|--------|
| 2 | Academic Projects | Presentation | <u>To Make application of formulas and theories</u> | |
| 3 | Group Discussion | | | |
| 4 | Role Play | | | |
| 5 | Industry Visit | | | |
| 6 | Business Quiz / Business News sharing | | | |
| 7 | Videos / Simulation | | | |
| 8 | Use of Software and Labs | All topics | Understand how to use excel for financial analysis | IT Lab |
| 9 | Any other activity | <u>Finance formula Calculation on Excel</u> | | |

A. Innovative pedagogy adopted:

To Learn Modelling from Scratch – Harding coding data to predicting future financial statements using advance excel.

Prepared by:
Faculty:
Dipti Periwal

Approved by:
Specialisation Head

Date: July 2020

Date:

