

# INDIAN INSTITUTE OF TECHNOLOGY, MADRAS

Department of Management Studies  
Subjects and Syllabus for Comprehensive Viva  
Muhammed Suhail PS (MS19D015)

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## **MS6031: Data Analysis for Research**

Course Instructor: Dr. R.K Amit

**Introduction to Statistics and Descriptive Statistics:** Measures of Central Tendency, Measures of Dispersion, Scatter Plot, Box Plot, Histogram

**Probability Distribution:** Bernoulli, Binomial, Poisson, Normal, Chi-squared,  $t$ -distribution, F distribution.

**Central Limit Theorem:** Inferential statistics, Confidence Interval, Population and Sample

**Hypothesis Testing:** Null and Alternate hypothesis, Type 1 and Type 2 error, Tests for means and variances

**Sample Tests:** Simple Regression & Correlation

## **MS7080: Research Methodology in Business and Management**

Course Instructor: Dr. Saji K Mathew

**Approach to Research:** What is research? Researcher Bias, Fundamental vs. applied research, Science of social science, research paradigms in management research

**Foundations of Theory:** Theory in management research, law and theory, hypotheses and propositions, theory building, Epistemology and Ontology, Quantitative vs. Qualitative Research, Grounded Theory

**Qualitative Research:** Qualitative research in management, different qualitative approaches, checking validity in qualitative research

**Quantitative Research:** Concepts, constructs and measurement, scales of measurement, survey based research, experimental design

**Research design:** Level of analysis and measurement, experimental approach, cross sectional design, longitudinal design, case study design

## **MS5341: Financial Management**

**Course Instructor: Dr. Thenmozhi M**

**Financial value:** Time value of money, financial instruments, Bond valuation, stock valuation, Cost of capital

**Financial structure:** Corporate source of finance, Capital structure theory, Leverage and financing decisions, Trade off theory and pecking order theory

**Financial risk:** Financial Risk and return, CAPM, Risk return alternative models, and efficient markets

**Capital Budgeting Decisions** - Corporate project types, Project cash flows -free cash flows and Risk Analysis, Techniques of evaluation –Accounting Rate of Return – Payoff period - Net Present Value – Internal Rate of Return, Conflict in evaluation – NPV vs. IRR – modified IRR, Capital rationing

**Dividend policy and models** - Factors influencing dividend payment of a firm, Dividend models Walter – Gordon – Modigliani and Miller, Dividend policy of a firm, alternate forms of dividend

**Working Capital Management** - Working capital management decisions of a firm, Working capital cycle, Inventory management, Receivables management, Cash management, financing working capital

## **MS6600: Global Corporate Governance**

**Course Instructor: Dr. G Arun Kumar**

**Introduction to corporate governance:** What is Corporate Governance? Why does it matter? Debt and Equity shareholders, Theories of Corporate Governance

**Monitoring Mechanism:** Separation of ownership and control, Roles of Directors and the Board, early indicators of governance issues from financial statements, Managers and the Board of Directors, provisions for independence of auditors in companies act, composition of board, monitoring duties of board, board and strategy, agency problem

**Corporate governance and markets:** Institutional Investors, Stakeholder Theory, Socially Responsible Investments, Dispersion of Capital, Role of CEO, monitoring and performance

**Other matters:** Wilful fraud, accounting fraud and governance, restoring confidence and re-building governance

## **MS8020: Empirical Research in Finance**

**Course Instructors: Dr. R Madhumati and Dr. G Arun Kumar**

### **CAPITAL STRUCTURE THEORIES**

- Fama, E. F., & French, K. R. (2002). Testing Trade-Off and Pecking Order Predictions About Dividends and Debt. *Review of Financial Studies*, 15(1), 1–33.
- Myer, S. C. (1984). The Capital Structure Puzzle. *The Journal of Finance*, 39(3), 575–592.
- Shyam-Sunder, L., & C. Myers, S. (1999). Testing static tradeoff against pecking order models of capital structure. *Journal of Financial Economics*, 51(2), 219–244.
- Titman, S., & Wessels, R. (1988). The Determinants of Capital Structure Choice. *The Journal of Finance*, 43(1), 1–19.

### **AGENCY THEORY**

- Eisenhardt, K. M. (2011). Agency Theory: An Assessment and Review. *Finance Ethics: Critical Issues in Theory and Practice*, 14(1), 125–142.
- Jensen, M. (1986). Agency Costs of Free Cash Flow, Corporate Finance, and Takeovers. *American Economic Review*, 76(2), 323–329.
- Michael, & Meckling, C. J. and W. H. (2019). Theory of the firm: managerial behavior, agency costs and ownership structure Michael. *Human Relations*, 72(10), 1671–1696.
- Fama, E. F. (1980). Agency Problems and the Theory of the Firm. *The University of Chicago Press Journals*, 88(2), 288–307.
- Fama, E. F., & Jensen, M. C. (1983). Separation of Ownership and Control Eugene. *Journal of Law and Economics*, 26 No. 2(2), 301–325.

### **CORPORATE GOVERNANCE**

- B. Ram Baliga, R. C. M. and R. S. R. (2016). CEO Duality and Firm Performance : What ' s the Fuss ? *Strategic Management Journal*, 17(1), 41–53.
- Grove, H., Patelli, L., Victoravich, L. M., & Xu, P. T. (2011). Corporate Governance and Performance in the Wake of the Financial Crisis: Evidence from US Commercial Banks. *Corporate Governance: An International Review*, 19(5), 418–436.
- Hoskisson, R ; Hitt, M ; Johnson, R ; Grossman, W. (2002). Conflicting Voices : The Effects of Institutional Ownership Heterogeneity and Internal Governance on Corporate Innovation Strategies. *Academy of Management Journal*, 45(4), 697–716.
- James H. Davis, F. D. S. and L. D. (1997). Toward a Stewardship Theory of Management. *Academy of Management Review*, 22(1), 20–47.
- Jones, C., Hesterly, W. S., & Borgatti, S. P. (1997). A General Theory of Network Governance : Exchange Conditions and Social Mechanisms. *Academy of Management Review*, 22(4), 911–945.
- Westphal, J. D., & Zajac, E. J. (1998). The symbolic management of stockholders: Corporate governance reforms and shareholder reactions. *Administrative Science Quarterly*, 43(1), 127–153.

## IPOs

- Aggarwal, R., & Rivoli, P. (2013). *Fads in the Initial Public Offering Market?* 19(4), 45–57.
  - Ritter, J. R. (1991). The Long-Run Performance of initial Public Offerings. *The Journal of Finance*, 46(1), 3–27.
  - Tim Loughran and Jay Ritte. (2004). *Why has IPO Underpricing changed over time ?* *Financial Management* (pp. 5–37).
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