

SVKM's NMIMS
Mukesh Patel School of Technology Management & Engineering
Structure for MBA.Tech. (Chemical)

First Year (COMMON FOR ALL BRANCHES)

Trimester I	Trimester II	Trimester III
Applied Science – I	Applied Science – II	Basic Engineering Drawing
Applied Mathematics – 1	Applied Mathematics –II	Applied Mathematics - III
Workshop Practice	Material Science	Engineering Mechanics
Basic Electrical Engineering	Basic Electronics	Instrumentation Fundamentals
Programming Concepts using C *	Object Oriented Programming using C++ *	Core Java *

Second Year

Trimester IV	Trimester V	Trimester VI
Strengths of Material	Chemical Engineering Thermodynamics – I	Process Equipment & Accessories Design
Fluid Mechanics	Unit Processes of Chemical Industry	Chemical Process – I
Process Calculations	Mass Transfer Operations - I	Mass Transfer Operations – II
Heat Transfer Operations	Solid Fluid Mechanical Operations	Reaction Kinetics
Business Communication – I	Principles and Practices of Management	Statistical Methods
Advanced Maths - I	Advanced Maths - II	

Third Year

Trimester VII	Trimester VIII	Trimester IX
Chemical Process – II	Chemical Reaction Engineering	Technical Internship
Advanced Computing in Chemical Engineering	Instrumentation & Process Control	
Plant Utilities & Piping	Industrial Safety	
Operations Research	Project Management	
Business Economics	Information Systems for Managers	
Constitution of India*	Financial Accounting *	
	Environmental Management *	

Fourth Year

Trimester X	Trimester XI	Trimester XII
Environmental Engineering	Elective I A. Food Processing B. Advance Separation Processes C. Oil & Gas Processing D. Petroleum Refining E. Pharmaceutical Technology	Elective II A. Biochemical Engineering B. Optimization & Simulation C. Petrochemical Engineering D. Polymer Engineering E. Water & Energy Management
Financial Analysis & Accounting	Project & Process Engineering	Strategic Management
Management of Innovations	Cost Accounting	Financial Management
Organizational Behaviour	Human Resource Management	Management of Technology
Marketing Management	Corporate Social Responsibility	Legal Aspects of Business

Research Methodology	Supply Chain Management	Industrial Marketing
Operations Management	Quality Management Systems & Practices	Intellectual Property Management
E-Business	Advanced Statistical Analysis	Enterprise Planning System
Term Paper*	Business Communication - II	Business Communication – III
	Seminar Paper	Research Paper

Fifth Year

Summer Vacation & Trimester XIII	Trimester XIV	Trimester XV
Management Internship	Energy Management	Leadership in Organization
	Entrepreneurship Management	New Product Development
	Electives (5)	Electives (5)
	Seminar Paper	Research Paper
	Foreign Language	Personality and Creativity Development (Workshop Mode)

* Compulsory - Non Credit subject

Electives Offered for Trimester XIV :

- | | |
|---|--|
| 1. Customer Relations Management | 2. Brand Management |
| 3. Sales and Distribution Management | 4. Integrated Marketing Communication |
| 5. Security & Portfolio | 6. Project and Infrastructure Finance |
| 7. Management of Mergers and Acquisition | 8. Project Risk & Insurance Management |
| 9. Corporate Tax Planning | 10. Financial Institutions and Markets |
| 11. Management of Technology Acquisition & Transfer | 12. Business Models in Digital Economy |
| 13. Knowledge Management | 14. Systems Analysis and Design |
| 15. Operations Strategy | 16. Simulation Modeling |
| 17. Operations Planning & Control | 18. International Project management |
| 19. Corporate Governance | 20. Human Resource Planning |
| 21. Management of Change | 22. Management of International Business |

Electives Offered in Trimester XV :

- | | |
|---|--|
| 1. Services Marketing | 2. Marketing of Technology Products |
| 3. Retail Management | 4. Consumer Behavior |
| 5. International Marketing | 6. Financial Engineering |
| 7. Management Control System | 8. International Finance |
| 9. Management of Commercial Banks | 10. Systems Approach to Org. design. |
| 11. Technology Forecasting, Assessment & Evaluation | 12. Business Process Re-engineering |
| 13. Supplier Management | 14. Contracts & Claim Management |
| 15. Infrastructure Development | 16. International Sourcing |
| 17. Economics of Negotiation & Conflict Resolution | 18. Services Operations Management |
| 19. Cross Cultural Management | 20. Diversity, Innovation & Organizational Change. |
| 21. Business Analytics | 22. International Trade |
| 23. Safety, Health Environment (SHE) | 24. WTO & Indian Business |
| 25. System Management | |

xxxxxxxxx