

## SVKM's NMIMS

### Mukesh Patel School of Technology Management & Engineering

#### Structure for MBA.Tech. (Manufacturing)

#### First Year (COMMON FOR ALL BRANCHES)

Trimester I	Trimester II	Trimester III
Applied Science – I	Applied Science – II	Basic Engineering Drawing
Applied Mathematics – I	Applied Mathematics –II	Applied Mathematics - III
Workshop Practice	Material Science	Engineering Mechanics
Basic Electrical Engineering	Basic Electronics	Instrumentation Fundamentals
Computer Fundamentals	Computer Programming	Computer Applications & Numerical Techniques

#### Second Year

Trimester IV	Trimester V	Trimester VI
Strength of Material	<b>Engineering Design</b>	Tool Engineering -I
Fluid Mechanics	Manufacturing Process – II	Manufacturing Process - III
Manufacturing Process – I	Machine Drawing	Metrology & Instrumentation
Theory of Machines-I	Industrial Engineering	Manufacturing Management
Business Communication - I	Principles and Practices of Management	Statistical Methods

#### Third Year

Trimester VII	Trimester VIII	Trimester IX
Tool Engineering - II	CAD/CAM & CIM	<b>Technical Internship</b>
Operations Research	Thermal Engineering	
Reliability Engineering	Manufacturing System & Strategy	
Process Engineering	Project Management	
Theory of Machines - II	Information Systems for Managers	
Business Economics	Environmental Management	
Constitution of India	Financial Accounting **	

#### Fourth Year

Trimester X	Trimester XI	Trimester XII
World Class Manufacturing	Product Design & Development	CAD, Optimisation& Simulation
Financial Analysis & Accounting	Production & Process Control Systems	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

<b>Summer Vacation &amp; Trimester XIII</b>	<b>Trimester XIV</b>	<b>Trimester XV</b>
<b>Management Internship</b>	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 :**

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|---|--|
| 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 :**

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|---|--|
| 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                               |  |

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