

**SVKM's NMIMS**  
**Mukesh Patel School of Technology Management & Engineering**  
**MBA(Tech)(IT) :: Course Structure**

**First Year (Common for All Branches)**

<b>Trimester I</b>	<b>Trimester II</b>	<b>Trimester III</b>
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 *

\* **Common syllabus for IT and Computers**

**Second Year**

<b>Trimester IV</b>	<b>Trimester V</b>	<b>Trimester VI</b>
Data Structure & Algorithms*	Operating System *	Computer Networks *
Database Management System*	Principles of Communication Systems	Web Technology and Application
Digital Logic Design *	Microprocessor [8086] *	Advanced Operating System
Basic Web Programming	Structured System Analysis and Design	Human Computer Interaction
Advanced Maths - I*	Advanced Maths - II*	Advanced Java [Lab course]
		Numerical Techniques [Lab course]
Business Communication – I**	Principles and Practices of Management **	Statistical Methods **

\* **Common syllabus for IT and Computers**

\*\* **Common for all branches**

### Third Year

Trimester VII	Trimester VIII	Trimester IX
Information Security *	Computer Simulation & Modeling *	<b>Industrial Training :</b>
Digital Signal Processing *	Distributed Computing *	
Wireless Communication	Mobile Computing *	
Service Oriented Architecture	Object Oriented Software Engineering	
Operations Research**	Project Management **	
Business Economics **	Information Systems for Managers **	
Constitution of India *	Financial Accounting **	

\* Common syllabus for IT and Computers

### Fourth Year

Trimester X	Trimester XI	Trimester XII
Data Warehousing and Mining <sup>^</sup>	Elective –I • AI • Information Storage Management <sup>^</sup> • Multimedia System Design • E-Commerce Technologies	Elective –II • Advanced DBMS • Image Processing • Embedded Systems • Advanced CN
Software Quality Assurance	Cost Accounting	Strategic Management
Financial Analysis & Accounting	Human Resource Management	Financial Management
Management of Innovations	Corporate Social Responsibility	Management of Technology
Organizational Behaviour	Supply Chain Management	Legal Aspects of Business
Marketing Management	Quality Management Systems & Practices	Industrial Marketing
Research Methodology	Advanced Statistical Analysis	Intellectual Property Management
Environment Management *	Business Communication – II	Enterprise Planning System
E-Business	Seminar Paper	Business Communication – III
Operations Management		Research Paper
Term Paper**		

<sup>^</sup> Common syllabus for IT and Computers

## Fifth Year

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)

\*\* Applicable to Final Year Students during 2009-10 only

### Electives Offered (Trim 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 |

\* Conditionally offered subject to 15 Registrations.

### Electives Offered (Trim 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                               |  |

\* Conditionally offered subject to 15 Registrations.

XXXXXXXX