



SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

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Ready for
Every Good Work

A Don Bosco Institution of Higher Education, Founded in 1951 * Affiliated to Thiruvalluvar University, Vellore * Autonomous since 1987

Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

Sacred Heart College (Autonomous), Tirupattur District

1.2.1 List of New Courses

MBA

Sem	Core/ Code	Title of the Subject	Hours/week	Credits	CA	SE	Total	
I	MBA140T	Management Principles and Practices	4	3	50	50	100	
	MBA141T	Economics for Management	4	3	50	50	100	
	MBA142T	Organizational Behaviour	4	3	50	50	100	
	MBA143T	Total quality Management	4	3	50	50	100	
	MBA144T	Accounting for Management	5	3	50	50	100	
	MBA145T	Advanced Business Statistics for Management	5	3	50	50	100	
	MBA146T	Managerial Communication	4	3	50	50	100	
			Business Application Software (Optional)		1*	On Successful Completion		
			Field Training (Optional)		1*	On Successful Completion		
Total				21C+2*C			700	
II		Human Rights	2	2	50	50	100	
	MBA240T	Marketing Management	4	3	50	50	100	
	MBA241T	Human Resource Management	4	3	50	50	100	
	MBA242T	Information Management	4	3	50	50	100	
	MBA243T	Financial Management	4	3	50	50	100	
	MBA244T	Legal Aspects of Business	4	3	50	50	100	
	MBA245T	Applied Operation Research for Management	5	4	50	50	100	
	MBA246T	Operations Management	4	3	50	50	100	
			SPSS (Statistical Package for Social Science) (Optional)		2*	On Successful Completion		
			Self-study Paper – Personal and Social Skills (Optional)		1*	On Successful Completion		
			In plant Training (Optional)		1*	On Successful Completion		

	Total		24C+4*C			800
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Sem	Code	Title of the Subject	Hours/Week	Credits	CA	SE	Total
III	MBA340T	Managerial Ethics	4	3	50	50	100
	MBA341T	Strategic Management	4	3	50	50	100
	MBA342T	International Business Management	4	3	50	50	100
	MBA343T	Business Research Methods	4	3	50	50	100
	MBA344A	Specialization I - Digital Marketing	4	3	50	50	100
	MBA344B	Micro Finance					
	MBA344C	Enterprise Resource Planning					
	MBA344D	Counseling Skills for Managers					
	MBA344E	Marketing of Hospital Services	4	3	50	50	100
	MBA345A	Brand and Product Management					
	MBA345B	Corporate Finance					
	MBA345C	Quality Management					
	MBA345D	Emotional Intelligence for Managerial Effectiveness	4	3	50	50	100
	MBA345E	Medical Care Management					
	MBA346J	Summer Internship		1	20	80	100
	MBA347P	Skill Paper – Soft Skills	2	1	50	50	100
		Self-Study Paper – Aptitude and Employability skills(Optional)		1*	On Successful Completion		
	Total			20C+1*C		800	

Sem	Code	Title of the Subject	Hours/Week	Credits	CA	SE	Total
IV	MBA440T	Export and Import Management	4	3	50	50	100
	MBA441A	Specialization II Customer Relationship Management	4	3	50	50	100
	MBA441B	International Trade Finance					
	MBA441C	Logistics Management					

MBA441D	Strategic Human Resource Management and Development					
MBA441E	Health Insurance and Medical Tourism					
MBA442A	Retail Management					
MBA442B	Security Analysis and Portfolio Management					
MBA442C	Project Management	4	3	50	50	100
MBA442D	Knowledge Management and Occupational Testing					
MBA442E	Hospital Architecture Planning					
MBA443A	Specialization III Advertising & Sales Promotion					
MBA443B	Strategic Cost Management and Control	4	3	50	50	100
MBA443C	Inventory Management					
MBA443D	Talent Management					
MBA443E	Logistics for Health Care Services					
MBA444A	Specialization IV Services Marketing					
MBA444B	Mergers and Acquisitions					
MBA444C	Materials and Stores Management	4	3	50	50	100
MBA444D	Organizational Development and Change Management					
MBA444E	Risk and Disaster Management					
MBA445A	Consumer Behavior					
MBA445B	Banking and Financial Services Management					
MBA445C	Total Productivity Management	4	3	50	50	100
MBA445D	Training for Effective Performance					
MBA445E	Hospital Waste Management					
MBA446A	Rural marketing					
MBA446B	Derivatives Management					
MBA446C	Information Technology in Supply Chain Management	4	3	50	50	100
MBA446D	Compensation Management					
MBA446E	Management of Hospital Services					
MBA447J	Research Project		4	20	80	100

		Skill Paper- Employability (Optional)		1*	On Successful Completion
	Total			25C+1*C	700
	Grand Total			90C+8*C	3000

Sacred Heart College (Autonomous), Tirupattur District

1.2.1 List of New Courses

Department: MBA

S. No	Course Code	Course Name
1.	MBA140T	Management Principles and Practices
2.	MBA143T	Total Quality Management
3.	MBA146T	Managerial Communication
4.	MBA242T	Information Management
5.	MBA244T	Legal Aspects of Business
6.	MBA246T	Operations Management

Syllabus:

Semester	Course Code	Title of the Course	Hours	Credits
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I	MBA140T	Management Principles and Practices	4	3
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Course Outcomes:

S.NO	CO - Statement	Cognitive Level (K-Level)
CO - 1	Understand theories about how managers should behave to motivate and control employees.	K2
CO - 2	Articulate Knowledge on levels of management	K2
CO - 3	Build clear sight on the concepts of motivation	K3
CO - 4	Create understanding the management function	K6
CO - 5	Collaborate the knowledge on the centralization and decentralization	K6

Relationship matrix for Course outcomes, Programme outcomes/Programme Specific outcomes

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)				Mean Scores of CO's	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	3	3	3	3	2	2	3	3	2.7
CO2	3	3	2	3	2	3	2	3	2	2	2.5
CO3	3	2	3	2	3	2	3	3	3	2	2.6
CO4	3	3	2	3	3	3	2	2	3	3	2.7
CO5	3	2	3	2	3	3	3	3	2	2	2.6
Mean Overall Score										2.62	
Result										High	

Correlation

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Unit I Introduction to Management

(12 Hours)

Organization- Management- Meaning- Role of managers- Management and Administration -Evolution of management thought- Organization and the environmental factors-Management as an art, A Science , A profession and a Discipline.

Unit II Planning

(12 Hours)

Nature and purpose of planning- Planning process- Types of plans- Objectives- Managing by Objective (MBO) strategies- Types of strategies – Policies – Decision Making- Types of decision- Decision making process- Steps in decision making -Rational decision making process- Decision making under different conditions.

Unit III Organising

(12 Hours)

Nature and purpose of organizing- Organization structure-Formal and Informal Organisation Authority and Responsibility - Departmentation- Span of control- Centralization and decentralization- Delegation of authority- Staffing- Selection and Recruitment- Career development- Career stages- Training- Performance appraisal

Unit IV Directing

(12 Hours)

Managing people- Communication- Hurdles to effective communication- Leadership – Types of leadership – Supervision – Nature and importance of supervision – Motivation (Maslow, Herzberg X and Y theories only) .

Unit V Controlling

(12 Hours)

Process of controlling- Types of control- Budgetary and non-budgetary control techniques – Managing productivity- Cost control- Purchase control- Maintenance control- Quality control- Planning operations.

Text Books:

1. Andrew J. Dubrin, Essentials of Management, Thomson Southwestern, 9th edition,2012.
2. Harold Koontz and Heinz Weihrich, Essentials of management: An International & Leadership Perspective, 9th edition, Tata McGraw-Hill Education, 2012.

References:

1. Samuel C. Certo and Tervis Certo, Modern management: concepts and skills, Pearson education, 12th edition, 2012.
2. Don Hellriegel, Susan E. Jackson and John W. Slocum, Management- A competency-based approach, Thompson South Western,11th edition, 2008.
3. Heinz Weihrich, Mark V Cannice and Harold Koontz, Management- A global entrepreneurial perspective, Tata McGraw Hill, 13th edition, 2010.
4. Stephen P. Robbins, David A.De Cenzo and Mary Coulter, Fundamentals of Management, Prentice Hall of India, 2012.

Semester	Course Code	Title of the Course	Hours	Credits
I	MBA143T	Total Quality Management	4	3

Course Outcomes

<i>S.NO</i>	<i>CO - Statement</i>	<i>Cognitive Level (K-Level)</i>
<i>CO - 1</i>	Analyze the quality management philosophies and tools to facilitate continuous improvement and ensure customer delight are learnt by students.	<i>K4</i>
<i>CO - 2</i>	Understand the quality management process in today's dynamic corporate world.	<i>K2</i>
<i>CO - 3</i>	<i>Develop an understanding on product quality characteristics and service quality characteristics.</i>	<i>K6</i>
<i>CO - 4</i>	<i>Demonstrate an understanding of the basic principles in TQM.</i>	<i>K2</i>
<i>CO - 5</i>	<i>Apply quality tools to enhance organization's quality performance</i>	<i>K3</i>

Relationship matrix for Course outcomes, Programme outcomes/Programme Specific outcomes

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of CO's
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	3	3	2	3	3	3	3	3	2.9
CO2	3	3	2	3	3	2	3	3	3	3	2.8
CO3	2	1	3	3	3	3	2	3	2	3	2.5
CO4	3	2	3	3	2	3	3	1	2	3	2.5
CO5	1	2	2	3	2	3	3	3	3	3	2.5
Mean Overall Scores											2.64
Result											High

Correlation

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Unit - I: Concepts of Quality Management

(12 Hours)

Definitions – TQM framework – benefits - awareness and obstacles. Customer focus: customer perception of quality - translating needs into requirements - customer retention. Dimensions of product and service quality - cost of quality.

Unit - II: Principles and Philosophies of Quality Management (12 Hours)

Overview and contributions of Deming, Juran, Crosby, Masaaki Imai (kaizen concept), Ishikawa, Taguchi techniques. Taguchi loss function - concepts of quality circle- Japanese 5s principles- 8d methodology.

Unit - III: Process Capability (12 Hours)

Process Capability: Meaning- Significance and Measurement- Lean Six Sigma. Concepts of Process Capability: Definitions- Reliability Concepts - Reliability in Series and Parallel - Product Life Characteristics Curve. Total Productive Maintenance (TPM): Relevance to TQM, Tero Technology - Business Process Re-engineering (BPR).

Unit - IV: Tools and Techniques for Quality Management (12 Hours)

Quality functions development (QFD): benefits - voice of customer - QFD process - house of quality (HOQ): building a HOQ - failure mode effect analysis (FMEA) - requirements of reliability - failure rate - FMEA stages – design - process and documentation. Seven management tools - bench marking and POKA yoke.

Unit-V: Quality Systems Organizing and Implementation (12 Hours)

Introduction to IS/ISO 9000 – 50001 - quality management systems: documentation, quality audits, TQM culture – world class manufacturing - customers, suppliers, global competitiveness and hallmarks of excellence.

Text Books

1. Dale H. Besterfield, "Total Quality Management", Pearson Education Asia, Indian Reprint, 2006.
2. Shridhara Bhat K, Total Quality Management – Text and Cases, Himalaya Publishing House, 2010.

Reference

1. Goetsch, D.L. & Davis. S, Introduction to Total Quality, 6th edition Pearson Publication, 2010.
2. James R. Evans and William M. Lindsay, "The Management and Control of Quality",
3. South-Western (Thomson Learning), 8th Edition, 2011.
4. Juran, J.M. & Gryna, F.M, Quality Planning and Analysis, Tata McGraw Hill, 3rd edition, 2004.
5. Sandeepa Malhotra, Quality Management planning, Deep & Deep Publications, 2006.
6. Subburaj, Total Quality Management, Tata McGraw hill, 2014.

Course Outcomes

Semester	Course Code	Title of the Course	Hours	Credits
I	MBA146T	Managerial Communication	4	3

S.NO	CO - Statement	Cognitive Level (K-Level)
CO - 1	Identify the appropriate use of different channels of written communication in business.	K3
CO - 2	Explain communication techniques that support and encourage a speaker	K2
CO - 3	Demonstrate his verbal and non-verbal communication ability through presentations.	K2
CO - 4	Draft effective business correspondence with brevity and clarity.	K6
CO - 5	Stimulate their Critical thinking by designing and developing clean and lucid writing skills and spoken skills to crack the interview process.	K6

Relationship matrix for Course outcomes, Programme outcomes/Programme Specific outcomes

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	3	3	3	3	3	2	3	2	2.7
CO2	3	3	2	2	3	3	3	3	2	3	2.6
CO3	3	2	3	3	2	3	3	2	3	2	2.6
CO4	3	3	2	3	3	3	3	3	2	3	2.8
CO5	3	2	3	2	2	3	3	2	3	2	2.6
Mean Overall Score											2.66
Result											High

Correlation

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Unit I Personal Communication

(12 Hours)

Day-to-day conversation with family members, neighbours, relatives, friends on various topics, context specific. Journal writing, SMS, Greeting Cards, situation based – accepting/declining invitations, congratulating, consoling, conveying information, oral reports, extempore, Book Review, Film Review

Unit II Business Correspondence

(12 Hours)

Letter Writings: Job application letters, Letters of appointment, confirmation, promotion, Circulars, Memos and Office orders, Agenda and Minutes, Resume preparation

Unit III Work Place Communication

(12 Hours)

e-mails, minutes, reports of different kinds – annual report, status report, survey report, proposals, memorandums, presentations, interviews, profile of institutions, speeches, responding to enquiries, complaints, resumes, applications, summarizing, strategies for writing.

Unit IV – Presentation and Employability Skills

(12 Hours)

Importance, Characteristics, Presentation Plan, PowerPoint Presentation, Visual Aids. Interview skills – HR and technical – Types of interview, preparation for interview, mock interview, Group Discussion – Communication skills in Group Discussion, Structure of GD, GD process, successful GD techniques.

Unit V Writing For Media and Creative Writing

(12 Hours)

Features for publication (Newspapers, magazines, newsletters, notice-board), case studies, short stories, travelogues, writing for children, translation, techniques of writing.

Text Books

1. Adler Ronald B., Elmhurst Jeanne Marquardt, Communicating at work, The McGraw-Hill Publications, 2014
Dr. J. John Love Joy, Dr. Francis M. Peter S.J, “Let’s Communicate – Basic

Semester	Course Code	Title of the Course	Hours	Credits
II	MBA242T	Information Management	4	3

Course Outcomes

<i>S.NO</i>	<i>CO - Statement</i>	<i>Cognitive Level (K-Level)</i>
<i>CO - 1</i>	Develop the computing skills among the budding managers of the tomorrow's world.	<i>K6</i>
<i>CO - 2</i>	Organize and plan effective applications of information systems in business.	<i>K3</i>
<i>CO - 3</i>	<i>Classify the various information systems solution for vertical and horizontal workflow of business operations.</i>	<i>K2</i>
<i>CO - 4</i>	<i>Assess and implement appropriate programming structure and techniques based on specific problem context.</i>	<i>K4</i>
<i>CO - 5</i>	<i>Relate and implement plan appropriately in response to unexpected requirement or environmental change</i>	<i>K1</i>

Relationship matrix for Course outcomes, Programme outcomes/Programme Specific outcomes

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	3	3	2	3	3	3	2	3	2.7
CO2	2	3	3	3	1	2	2	3	3	3	2.5
CO3	3	3	3	3	3	2	3	3	3	3	2.9
CO4	3	3	3	2	2	3	1	3	3	3	2.6
CO5	3	3	3	2	3	3	2	3	2	3	2.7
Mean Overall Scores											2.68
Result											High

Correlation

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Unit - I: The Organization and Systems Concept

(12 Hours)

Management and use of computers: Conceptual design - Data capturing - data storage and retrieval - data processing - Information reporting- Limitations. Classification of Information Systems: Operation Information Systems- Transaction Processing Systems- Process control Systems – Office Automation System - Types of Management Information Systems: Information Report Systems- Executive Information Systems- Decision support system - Types of Strategic Information Systems: Artificial Intelligence- Expert Systems.

Unit - II: Systems Analysis and Design

(12 Hours)

System Analysis: Process - Decision table - Data flow Diagram (DFD) - Entity Relationship Model (ER) - System life cycle - Prototyping- Spiral Method - Logical and Physical Design - Stages of Systems Development life cycle. System design: system specifications - User Interface Design - Data Design- Process Design.

Unit - III: Functional Management Information Systems

(12 Hours)

Marketing Information System - Operation Information Systems - Major Subsystems - Sales Information Subsystems - Space Selling Information Subsystems - Competitor Information Subsystems- Dispatch Information Subsystems- Personal Information Subsystems - Accounting and Financial Information System- Type of Systems- Advantages of Computerized package- Inter relationship accounting Information Systems- Manufacturing Information Systems- Source of Information- Major Steps- Process Specification- Product Design-Revenue generation.

Unit - IV: Database Management and Networking

(12 Hours)

Database Management System: Models – Types. Introduction to Data Warehouses – architecture - Data mining and Data Marts. Knowledge Management: Types - Tools. Networking: Types – LAN – WAN - Network topologies. Introduction to E-Commerce and E-Business – Infrastructure - Issues in Internet.

Unit - V: Enterprise Resource Planning and Security Control

(12 Hours)

Enterprise management System: Enterprise resource planning – ERP model and Modules - Benefits of ERP - ERP Product Evaluation - ERP Implementation. Information System Security: Information System Vulnerability - Controlling security threat and vulnerability - Computer Crimes - Software Piracy - Internet Privacy – Intranet - Disaster Management, Ethics in Information Technology.

Text Books

1. Robert Schultheis and Mary Summer, Management Information Systems – The Managers View, Tata McGraw Hill, 4st Edition, 2011.

2. Waman S Jawadekar, Management Information Systems, McGraw Hill, 5st Edition 2012.

References

1. Dr. S. Shajahan and Mrs. R. Priyadharshini, Management Information System - New Age International Publishers, 1nd Edition 2010.
2. Gordon Davis, Management Information Systems: Conceptual Foundations, Structure and Development, Tata McGraw Hill, 2nd Edition, 2014.
3. Mohamed Azam, Management Information Systems, McGraw Hill, 1st Edition, 2012.
4. Kenneth C. Laudon and Jane Price Laudon, Management Information Systems – Managing the digital firm, PHI Learning / Pearson Education, PHI, Asia, 4th Edition 2012.
5. Haag, Cumming and McCubbrey, Management Information Systems for the information age, McGraw Hill, 5th Edition, 2013.

Semester	Course Code	Title of the Course	Hours	Credits
II	MBA244T	Legal Aspects of Business	4	3

Course Outcomes

<i>S.NO</i>	<i>CO - Statement</i>	<i>Cognitive Level (K-Level)</i>
<i>CO - 1</i>	Understand and acquaint basic concepts, essential areas and its nuances related to commercial law	<i>K1, K2</i>
<i>CO - 2</i>	Specify and expound companies act 1956 to learn and apply in the real life of corporate world	<i>K4,K5</i>
<i>CO - 3</i>	<i>Articulate factories act 1948, payment of wages act 1936, trade unions act 1926, industrial disputes act 1947 with due respect to industrial law</i>	<i>K4</i>
<i>CO - 4</i>	<i>Elicit out the indispensable of goods and service tax to educate and update with current amendments of central government to apply in the tax planning and implementation</i>	<i>K5</i>
<i>CO - 5</i>	<i>Make an attention on consumer protection act 1986, competition act 2002 and cyber law to acquire and fetch it in the respected domain</i>	<i>K3, K4</i>

Relationship matrix for Course outcomes, Programme outcomes/Programme Specific outcomes

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Score of CO
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	3	2	3	2	3	3	2	3	3	2.7
CO2	3	2	2	3	3	3	3	3	2	2	2.5
CO3	3	3	2	3	2	3	3	2	3	3	2.7
CO4	3	2	3	3	3	3	2	2	2	2	2.5
CO5	3	3	2	3	2	3	3	2	3	3	2.7
Mean Overall Score											2.62
Result											High

Correlation

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Unit - I: Commercial Law

(12 Hours)

The Indian Contract Act 1872: Definition of Contract - Formation of a Contract - Essential of a Valid Contract - Void Agreements - Performance of Contracts - Breach of Contract and its Remedies - Quasi Contracts. The Sale of Goods Act 1930: Sales Contract - Transfer of Title and Risk of Loss - Guarantees and Warranties in Sales Contract - Performance of Sales Contracts - Conditional Sales and Rights of an Unpaid Seller.

Unit - II Company Act 1956

(12 Hours)

Nature and Types of Companies - Major Principles - Formation - Memorandum and Articles of Association - Prospectus – Power - Duties and Responsibilities - Liabilities of Directors - Winding up of Companies- Corporate Governance.

Unit - III: Industrial Law

(12 Hours)

An Overview of Factories Act 1948 - Payment of Wages Act 1936 - Trade Unions Act 1926 - Industrial Disputes Act 1947.

Unit - IV: Goods and Service Tax

(12 Hours)

Overview of GST - Objectives of GST - Salient features of GST - Structure of GST - SGST, CGST, UTGST & IGST, GST Council, GST Format, GST Network, Registration, Introduction to - Levy of GST – Composition Scheme - Remission of Tax / Duty Time of Supply of Goods & Services - Value of Supply - Input Tax Credit.

Unit - V: Consumer Protection Act 1986, Competition Act 2002 and Cyber Law (12 Hrs)

Consumer Protection Act: Consumer Rights - Consumer Protection Council - Types of Consumer Dispute Redressal Agencies. Competition Act 2002 - Cyber Laws - IT Act 2000 - Introduction of IPR: Copy Rights - Trade Marks - Patent Act.

Text Books

1. N.D. Kapoor, Elements of Mercantile Law, Sultan Chand and Company, India, 13th Edition, 2010.
2. P.K. Goel, Business Law for Managers, Biztantra Publishers, India, 8th Edition, 2008.

References

1. Tulsian, P C, "Business Laws," Tata McGraw Hill, New Delhi, 3rd Edition, 2009.
2. Akhileshwar Pathak, Legal aspects of Business, Tata McGraw Hill, 4th Edition, 2010.
3. Dr. Vinod, K. Singhania, Direct Taxes Planning and Management, 55th Edition, 2016.
4. P.P.S. Gogna, Mercantile Law, S. Chand & Co., Ltd, India, 4th Edition, 2008.
5. Sathish B, Business law, Matur Tata McGraw Hill, 8th Edition, 2009.

Semester	Course Code	Title of the Course	Hours	Credits
II	MBA246T	Operations Management	4	3

Course Outcomes

S.NO	CO - Statement	Cognitive Level (K-Level)
CO - 1	Identify the elements of operations management and various transformation process to enhance productivity and competitiveness	K3
CO - 2	Analyze and evaluate various facility alternatives and their capacity decisions, develop a PPC,MPS, scheduling and sequencing techniques	K4
CO - 3	<i>Define the scope, cost, timing and quality of the project and focus on suitable quality control methods</i>	K1
CO - 4	<i>Plan and propose suitable inventory/material handling principles and practices</i>	K3
CO - 5	<i>Utilize and implement systems integrated managerial functions</i>	K6

Relationship matrix for Course outcomes, Programme outcomes/Programme Specific outcomes

Course Outcomes	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of Cos
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	3	2	3	3	2	3	1	2	3	3	2.5
CO2	3	3	3	3	2	2	3	3	3	2	2.7
CO3	3	2	3	3	3	2	3	3	2	2	2.6
CO4	3	2	3	3	2	3	2	3	3	3	2.7
CO5	3	1	3	3	2	3	2	2	3	1	2.3
Mean Overall Scores											2.56
Result											High

Correlation

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

Unit- I: Fundamentals of Production and Operations Management (12 Hours)

Introduction – Nature – Importance - Scope - Functions - Strategies of Operations Management –Relationship between POM & other Functional Areas of Management – Effect of Time Element on POM - Manufacturing

Systems and Layouts - Significance & Systematic View of Operations - Factors of Production-Operations Management as Multidisciplinary Subject- POM challenges - Recent Trends - Operations Strategy.

Unit - II: Production Planning

(12 Hours)

Production Planning Techniques for Various Process Choices - Techniques of Production Control, Aggregate Planning Techniques - Process Planning: Steps in Process Planning. Computer Integrated Manufacturing – Computer Aided Design - Computer Aided Manufacturing –Flexible Manufacturing Systems-Production Planning & Control: Preplanning - Fore Casting - Scheduling - Dispatching – Routing – Expediting.

Unit - III: Plant Location

(12 Hours)

Plant Location: Factors Influencing Plant Location- Importance of Environmental Health & Safety Factors in Deciding the Location of Plant - Reasons for Global Location - Cost Factor – Semi Quantitative Techniques - Return on Investment. Plant Layout: Principles - Flow Patterns - Types of Plant Layout. Capacity Planning: Types of Capacity - Capacity Decision - Capacity Planning Strategies.

Unit - IV: Basics of Operations Planning

(12 Hours)

Inventory: Definition - Classification of Inventories - Purchase Model - Manufacturing Model - P & Q Systems - MRP-I & MRP-II - Just in Time - Selective Inventory Control Techniques - Statistical Quality Control – Work Study – Method Study. Maintenance Management: Types of Maintenance. Fundamentals and Functions of Purchasing: Vendor Rating - Stores Management: Functions - Store Records - Stock Verification.

Unit - V: Applications / Problems

(12 Hours)

Make or Buy Decisions - Single Facility Location Problem - Gravity Location Problem - Sequencing (M Job 2 machines & M Job 3 Machines) - Purchase & Manufacturing Model with Shortages & without shortages - ABC Analysis - Individual Replacement - Time Study – Mean - Range - P Chart - C Chart - I Square and R Charts - Single Sampling Problems.

Text Books

1. Aswathappa K and ShridharaBhat K, Production and Operations Management, Himalaya Publishing House Revised 4th Edition, 2008.
2. Pannerselvam R, Production and Operations Management, Prentice Hall India, 2nd Edition, 2008.

References

1. Upendrakachru, Production & Operations Management, Excel books, 1stEdition, 2007.
2. Adam Jr. Ebert, Production & Operations Management, PHI Learning, 5thEdition, 1994.
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