## NAME OF DEPTT / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

1.	Subject Code : BMN501	Title	e: Principal and Practices of Management
2.	<b>Contact Hours</b> :	L:	3 T: 0 P: 0
3.	Examination Duration (Hrs	.):	Theory: 2 Practical: 0
4.	Relative Weight age: CWS	<b>5:</b> 50	<b>PRS: 0 MTE:</b> 0 <b>ETE</b> : 50 <b>PRE: 0</b>
5.	Credits: 1.5	6.	Term : First
7.	Pre-requisite: Nil	8.	Subject Area: PCC
0		1 /	

9. **Objective:** To develop an understanding of the basic management concepts.

## 10. Details of Course:

Sl.		Contact
No.	Contents	Hours
1	Managerial Processes, Functions, Skills and Roles, Nature and Purpose of	3
	International Business, Forms of International Business, Unifying Effect,	
	Potentials for Conflict, Country Alliances and Economic Blocs,	
2	Planning and Management by Objectives; Types of plans, Steps in planning,	3
	Strategic Planning Process, Verifiable Objectives, Systems approach to	
	MBO.	
3	Decision Making; Planning Processes; Rational Model of Decision Making,	3
	Individual Decision Making and Problem Solving.	
4	Organizational Design and Structure, Departmentation, Line/Staff Authority,	3
	Delegation and Decentralization, Controlling: Process and Techniques of	
	Control	
5	Leading; Theories, Models, types of Leadership, success stories	3
6	Coordination; Elements, Features, Importance, Features, Types of	3
	coordination, Techniques of Effective coordination, Principles of	
	coordination, Problems in Coordination	
7	Controlling; Basic Control process, Critical Control Points, Strategic Control,	3
	Benchmarking, Feedback and Feedforward System, Beaurocratic and Clan	
	control, Control techniques, Program Evaluation and Review Techniques	
	(PERT)	
	Total	21

S. No.	Name of Authors/Books/Publisher/Edition	Year of
		Publication
		/ Reprint
1.	Heinz Weihrich & Harold Koontz, Management A global prospective (10 <sup>th</sup> Edition) Tata McGraw Hill New Delhi.	2015
2.	Stephen P. Robbins, Mary Coulter & David D Cenzo, Fundamentals of Management, Pearson Education India, 9 <sup>th</sup> edition	2016
3.	Peter F. Drucker, Management: Tasks, Responsibilities and Practices, Harper Business.	1993

## NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN502 Course Title : Microeconomics
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 0 MTE : 0 ETE: 50 PRE: 0
- 5. Credits: 1.5 6. Term : First
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- 9. **Objective:** To give the students an introduction to basic concepts of microeconomics

## 10. Details of the Course:

Sl.	Contents	Contact
No		Hours
1	Introduction to Microeconomics; nature, approach, contents	01
2	Supply and Demand: definitions, functions, elasticity, markets and welfare;	04
	Income and substitution effects	
3	The economics of public sector: Externalities; public goods and common	02
	resources	
4	Firm behavior and the organization of industry: Costs of production; Profit	10
	maximization; Firms in competitive markets; monopoly; oligopoly; and	
	monopolistic competition	
5	The economics of labour market: markets for the factors of production;	04
	Earning and discrimination; Income inequality and poverty	
	Total	21

S.	Name of Authors/Book/Publisher	Year
No.		of
		Public
		ation /
		Reprint
1	N.Gregory Mankiw, Principles of Microeconomics (8th Edition), Cengage	2018
	Learning	
2	Samuelson, P. A., and Nordhaus, W.D., Microeconomics (19th Edition),	2010
	McGraw Hill	

#### NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN503 Course Title : Operations Research
- **2.** Contact Hours: L: 3 T: 1 P: 0
- **3.** Examination Duration (Hrs.): Theory: **2** Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 0 MTE : 0 ETE: 50 PRE: 0
- 5. Credits: 2 6. Term : First
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- 9. **Objective:** To give the students an introduction to basic concepts of microeconomics

#### **10. Details of the Course:**

Sl.	Contents	Contact
No		Hours
1	Introduction to Optimization Modelling, Linear Programming Models	5
2	Nonlinear Optimization Models and optimization with integer variables	5
3	Evolutionary Solver: An Alternative Optimization Procedure	3
4	Multiobjective Decision Making	3
5	Queueing Models	3
6	Decision Making Under Uncertainty	2
	Total	21

S.	Name of Authors/Book/Publisher	Year of
No.		Publication /
		Reprint
1	Taha H A., Operations Research: An Introduction, 10th Ed. Pearson	2017
2	Hillier & Lieberman, Introduction to Operations Research, 8th Ed.,	2005
	McGraw Hill	

## **NAME OF DEPTT / CENTRE** : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN504 Course Title : Organizational Communication
- **2.** Contact Hours: L: 3 T: 0 P: 2
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS 50 PRS 20 MTE 0 ETE 30 PRE 0
- 5. Credits: 2 6. Term : First
- 7. **Pre-requisite:** Nil **8.** Subject Area: PCC

**9. Objective:** To introduce communication theory, meaning, definition and scope of communication in organization.

#### **10.** Details of the Course:

Sl. no	Particulars	Lecture Hours
1	The Role of Communication in Contemporary Organizations Introduction, classification, and purpose of communication; Communication Process; Characteristics of successful communication	3
2	Communication structure in organization; Communication in negotiation and conflict resolution, and cross-cultural communication	3
3	Essentials of Communication: Introduction to Business Environment and Communication, The Changing Environment for Business, Basics of Communication , Corporate Communication	3
4	Communicating Strategically, Developing Corporate Communication Strategy, Crisis communication	3
5	An Overview of the Corporate Communication Function; Media Management; Communication in Meetings – Planning meetings – objectives – participants – timing – venue of meetings, Meeting Documentation: Notice, Agenda, and Resolution & Minutes	3
6	Internal Corporate Communications	3
7	Interpersonal communication, Working and Communicating in Groups and Teams,	3
	Total	21

S. No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1	Raymond Lesikar, Marie E flatly, Kathryn Rentz, and Neerja Pande, Business Communication: Making Connections in a Digital World, , McGraw Hill, 13 <sup>th</sup> Edition	2015
2	Paul A. Argenti, Corporate Communication, McGraw Hill, 6th Edition	2013
3	Mukherjee H S, Business Communication: Connecting at Work, Oxford University Press	2013
4	Teri Kwal Gamble and Michael Gamble, Communication Works, McGraw Hill, 9 <sup>th</sup> Edition	2010
5	Geraldine E Hynes, Managerial Communication Strategies and Applications, McGraw-Hill, 4 <sup>th</sup> Edition	2010

## **NAME OF DEPTT.** / **CENTRE** : DEPARTMENT OF MANAGEMENT STUDIES

1.	Subject Code : BMN505Course Title: Financial Accounting - I
2.	<b>Contact Hours:</b> L: 3 T: 0 P: 0
3.	<b>Examination Duration (Hrs.): Theory:</b> 2 <b>Practical:</b> 0
4.	Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
5.	Credits: 1.5 6. Term: First
7.	Pre-requisite: Nil 8. Subject Area: PCC

9. **Objective:** To acquaint students with the process of collecting, recording, summarizing, and reporting monetary information about the business performance for the use of various stakeholders.

## 10. Details of the Course:

Sl. No	Contents	Contact Hours
1	Introduction to financial accounting, conceptual framework of financial accounting, language of accounting. Introduction to GAAP	3
2	Accounting conventions and concepts, revenue recognition and measurement, matching of revenues and expenses.	2
3	Accounting mechanics- basic records, theory and practice of measurement of business income.	5
4	Financial statements like Income statement, balance sheet and related statements.	5
5	Accounting for tangible and intangible assets, fixed assets and depreciation accounting.	4
6	Emerging trends in financial accounting	2
	Total	21

S.	Name of Authors/Book/Publisher	Year
No.		of
		Public
		ation /
		Reprint
1.	Anthony, R. N., Hawkins, D.F. and Merchant, K. A., "Accounting- Text and	2019
	Cases", 13 <sup>th</sup> Edition, Special Indian Edition, Tata McGraw-Hill	
2.	Gupta, Ambrish, "Financial Accounting for Management, 4 <sup>th</sup> edition,	2013
	Pearson Publication	

3.	Bhattacharya, S.K. and Dearden, J., "Accounting for Management, Text and	2012
	Cases", 3 <sup>nd</sup> Edition, Vikas Publishing House	
4.	Narayanaswamy, R., "Financial Accounting: A Managerial Perspective", 6th	2018
	Edition, PHI Publishing.	
5.	Ramachandran, N. and Kakani, R. K., "Financial Accounting for	2011
	Management", 3rd Edition, Tata McGraw-Hill	

**NAME OF DEPTT. /CENTRE** : DEPARTMENT OF MANAGEMENT STUDIES

1.	Subject Code : BMN-506	Cou	urse Title :Bus	iness Environment	
2.	<b>Contact Hours</b> :	L:	4 <b>T:</b> 0	<b>P:</b> 0	
3.	Examination Duration (H	rs.):	Theory: 3	Practical: 0	
4.	Relative Weightage: CV	VS 50	PRS 0 MTE	CO ETE 50	PRE 0
5.	Credits: 2	6. T	<b>erm :</b> First		
7.	Pre-requisite: Nil	8.	Subject Area:	PCC	

**9**. **Objective:** To acquaint students with economic, technological, socio-cultural and political environment to enable them to understand the external forces that influence business policies.

10. Details of the Course:

S. No.	Contents	Contact hours
1.	Introduction to business environment, macro-economic concepts, consumption, savings, investment, social, cultural, political and technological environment.	3
2.	An overview of planning in India, objectives of economic policy; Nature of economic policies, chronological survey of policy pronouncements and their impact on business.	3
3.	Industrial policy resolutions, IDRA, public-private partnership, privatization and disinvestment, MSMEs, industrial sickness, Indian Company Law, MRTP, Competition Act.	5
4.	Labour legislation, laws relating to weaker sections, specific industries, trade unions and industrial relations.	2
5.	Business and government relations and government influence on income planning, prices and production policies.	2
6.	Impact of tax and inflation on corporate policy planning; Problem of determining planning horizon; Effect of uncertainties	2
7.	An overview of Indian financial system, financial institutions and financial markets.	3
8.	Societal environment, social responsibility of business, corporate governance, consumerism and consumer protection act, sustainable development.	4

9.	Global environment, impact of global integration,	4
	GATT/WTO, MNCs, flow of FDI and FII, FEMA.	
	Total	28
		20

## **<u>11.</u>** Suggested Books:

S. No.	Name of Authors/Book/Publisher	Year of
		Publication /
		Reprint
1.	Aswathappa, K., "Essentials of Business Environment", 13th	2017
	Edition, Himalaya Publishing House	
2.	Cherunilam, F., "Business Environment-Text and Cases", 27th	2019
	Edition. Himalaya Publishing House	
3.	Dutt, R. and Sundaram, K.P.M., "Indian Economy", 72th Edition,	2016
	S. Chand and Co.	
4.	Ghosh B.N., "Business Environment", Oxford University Press	2014
5.	Paul, J., "Business Environment-Text and Cases", 4 <sup>rd</sup> Edition,	2018
	Tata McGraw-Hill	
6.	Mishra & Puri, "Indian Economy", 37th Edition, Himalaya	2019
	Publishing House.	
7.	Worthington, I. and Britton, C., "The Business Environment", 8th	2018
	Edition, Pearson Education	

NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN507 Course Title : Innovation and Entrepreneurship
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: **2** Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 0 MTE : 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term : First
- 7. **Pre-requisite:** Nil 8. **Subject Area:** PCC
- **9. Objective:** To acquaint students with fundamentals of innovation and entrepreneurship.

## 10. Details of the Course:

Sl.	Contents	Contact
No	Contents	
1	Introduction to innovation, process of innovation, nature of innovation within firms	2
2	Steps of Innovation Management, Idea Management System, Divergent V/s Convergent Thinking, Design Thinking and Entrepreneurship	5
3	Experimentation in Innovation Management, Idea Championship, Participation for Innovation, Co-creation for Innovation, Proto- typing to Incubation	4
4	Business Model, Innovations in Business models	3
5	Marketing of Innovation, Technology Innovation Process, Technological Innovation Management Planning, Technological Innovation Management Strategies, Technology Forecasting	5
6	Management of Innovation, creation of IPR, Types of IPR, Patents and Copyrights, Patents in India	2
	Total	21

S.	Name of Authors/Book/Publisher	Year
No.		of
		Public
		ation /
		Reprint
1	Peter F Drucker "Innovation and Entrepreneurship". Harper & Row	1993
2	Bessant J. and Tidd J., Innovation and Entrepreneurship, John Wiley & Sons,	2011
	2nd Edition	
3	George G. and Bock A.J., Models of opportunity how entrepreneurs design	2012
	firms to achieve the unexpected, Cambridge University Press	
4	Dabholkar V. and Krishnan R.T., "8 Steps to Innovation Going from	2013
	Jugaad to Excellence", Collins Business	

NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN508 Course Title Marketing Management-1
- **2.** Contact Hours: L: 4 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 3 Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 0 MTE : 0 ETE: 50 PRE: 0
- 5. Credits: 2 6. Term : First
- 7. **Pre-requisite:** Nil 8. **Subject Area:** PCC
- **9. Objective:** To develop basic conceptual abilities, analytical skills, and knowledge in the field of marketing analysis and planning.

### **10. Details of the Course:**

S1.	Contents	Contact
No		Hours
1	<b>Introduction:</b> , Defining marketing for the new realities, understanding marketing management	3
2	<b>Developing Marketing Strategies and Plans:</b> Marketing and customer value, corporate, division and business unit strategic planning.	5
3	<b>Creating Long-Term Loyalty Relationship:</b> Building customer value, satisfaction, and loyalty.	4
4	<b>Capturing Customer Insights:</b> Scanning the environment, conducting marketing research and forecasting demand.	5
5	<b>Connecting with customers:</b> Analyzing consumer markets, Analyzing business markets.	5
6	<b>Building Strong Brands:</b> Identifying market segments and targets, crafting brand positioning, Creating Brand equity, Addressing competition and driving growth.	6
	Total	28

S.	Name of Authors/Book/Publisher	Year
No.		of
		Public
		ation /
		Reprint
1	Kotler, P., Keller, K L., Marketing Management, 15th Edition, Pearson.	2016
2	Mullins, J., Walker, O. and Harper, B.J., "Marketing Management: A Strategic	2013
	Decision-Making", 7th Edition, McGraw-Hill	
3	Kurtz, D. L. and Boone, L.E., "Principles of Marketing", 12th Edition,	2006
	Thomson	
4	Michael Etzel, Bruce J Walker, William Stanton, Ajay Pandit, Marketing, 14/e,	2017
	McGraw Hill Education	
5	Winer, R., Marketing, 4/e, Pearson	2015

## NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

1.	Subject Code :	BMN509	<b>Course Title</b>	: Business Ethics

- **2.** Contact Hours: L: 2 **T**: 0 **P**: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 0 MTE : o ETE: 50 PRE: 0
- 5. Credits: 1 6. Term: First
- 7. **Pre-requisite:** Nil 8. **Subject Area:** PCC
- **9. Objective:** To promote understanding of ethical concepts, perspectives and theories with respect to business management.

## **10. Details of the Course:**

Sl.	Contents	Contact
No		Hours
1	Business Ethics: Why and What?	2
	Introduction, concept, Does Business Ethics Make Economic Sense?	
	Examples, ideals, Debates, Beliefs, Values, Attitudes & Virtue, Moral	
	Reasoning (Is there any scope of Reasoning in Morality and Ethics), Personal	
	and Professional context (Differentiation or No Differentiation) Is ETHICS	
	RELATIVE in NATURE?	
2	Ethical Theories Or no theories: Egoism, Utilitarianism, Human Rights &	4
	Kantian ethics, Social Contract theories, virtual ethics & moral community,	
	Stakeholder theories Several others with in the purview of discussion	
3	Indian Ethos and Values Philosophy of Dharma Sutras, Ethics of Jainism,	3
	Buddhism, Vaishnavism, Advaita Vedanta, Visishtadvaita, Ethics of Bhagvad	
	Gita, Gandhian Ethics	
4	Environment and Culture: Ethics and environment, Environmental duties,	3
	Employer responsibilities and employee duties, language context,	
	discrimination and diversity, moral muteness and whistleblowing, ethics and	
	culture relativism	
5	Functional Areas in Business Management	2
	Issues in Marketing & Advertising, Finance & Accounting, Human Resource	
	Management, Production and Operations Management, Information	
	Technology and all other relevant functionalities; choice of business and	
	defining business with ethics	
	Total	14

S. No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1	h, L. P., DesJardins, J. R., & MacDonald, C., "Business ethics: h making for personal integrity and social responsibility", 5 <sup>th</sup> Ed., New [cGraw-Hill.	2020
2	Oswald A.J. Mascarenhas, Doris D'Souza, E. Abraham., "Tata J.R.D. ORATIONS ON BUSINESS ETHICS" Hardcover, Rupa Publications India	2019
3	E., "Annual Editions: Business Ethics", 28 <sup>th</sup> Ed, McGraw Hill	2019
4	O.C., Fraedrich, J., & Ferrell, L., "Business Ethics: Ethical Decision & Cases", 11 <sup>th</sup> Ed, Cengage Learning	2017
5	ez, M. G., & Velazquez, M., "Business ethics: Concepts and cases", J: Prentice Hall.	2016
6	orty, S. K., & Chatterjee, S. R. (Eds.)., "Applied ethics in nent: towards new perspectives". Springer Science & Business	2012
7	Ghosh, B. N., "Business ethics and corporate governance", 1 <sup>st</sup> Ed, Tata McGraw Hill Education Private Limited.	2011
8	Zsolnai, L. "Spirituality and ethics in management (Vol. 19)", Springer Science & Business Media.	2011
9	Nandagopal, R., & Sankar, A., "Indian Ethos & Values in Management" Tata McGraw Hill Education Private Limited.	2010
10	Harrison, M. R., "An Introduction to Business and Management Ethics", Macmillan International Higher Education	2005
11	Maxwell, J. C., "There's No Such Thing as "Business" Ethics: There's Only One Rule for Making Decisions", 1 <sup>st</sup> Ed, Center Street	2003
12	Chakraborty, S. K. " <i>Ethics in management: Vedantic perspectives</i> "., Oxford University Press, USA.	1995

## NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN510 Course Title : Macroeconomics
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 0 MTE : 0 ETE: 50 PRE: 0
- 5. Credits: 1.5 6. Term: Second
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- 9. **Objective:** To give the students an introduction to basic concepts of macroeconomics

#### **10. Details of the Course:**

S1.	Contents	Contact Hours
No		
1	Introduction: The Science of Macroeconomis	02
2	National Income Accounting: Consumption, Investment,	02
	Government Expenditure and Net exports	
3	Money and Inflation: QTM; Inflation and interest rates	03
4	Unemployment: Natural Rate of Unemployment & NAIRU	02
5	Economic Growth: Capital Accumulation and Population Growth;	03
	Technology, empirics and policy	
6	Business Cycle Theory: Aggregate demand analysis; building and	04
	application of IS-LM models	
7	The Open Economy; International flows of capital and goods;	05
	Exchange rate determination and regimes; Mundell-Fleming Model	
	Total	21

S.	Name of Authors/Book/Publisher	Year of
No.		Publicati
		on /
		Reprint
1	N.Gregory Mankiw, Macroeconomics (7th Edition), Cengage Learning	2010
2	Rudiger Dornbush, Stanley Fischer, Richard Startz, Macroeconomics (12th	2018
	Edition), McGraw Hill	

NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN511 Course Title: Marketing Management-2
- **2.** Contact Hours: L: 4 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 3 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS : 0 MTE : 0 ETE: 50 PRE: 0
- 5. Credits: 2 6. Term: Second
- 7. **Pre-requisite:** Nil 8. **Subject Area:** PCC
- **9. Objective:** To develop basic conceptual abilities, analytical skills, and knowledge in the field of marketing analysis and planning.

## **10. Details of the Course:**

S1.	Contents	Contact
No		Hours
1	Creating Value: Setting product strategy, Designing and managing services	4
2	Developing Pricing strategies and programs	4
3	<b>Communicating Value:</b> Designing and managing integrated marketing communication. Advertising, Sales Promotions, Events And Experiences, Public Relations	5
4	Managing digital Communications: Online, Social media, and mobile.	4
5	<b>Delivering Value:</b> Designing and managing integrated marketing channels, managing retailing, wholesaling and logistics.	5
6	<b>Conducting marketing responsibly for long term success:</b> Trends in marketing, internal marketing, Socially responsible marketing.	6
	Total	28

S. No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1	Kotler, P., Keller, K L., Marketing Management, 15th Edition, Pearson.	2016
2	Mullins, J., Walker, O. and Harper, B.J., "Marketing Management: A Strategic Decision-Making", 7th Edition, McGraw-Hill	2013
3	Kurtz, D. L. and Boone, L.E., "Principles of Marketing", 12th Edition, Thomson	2006
4	Michael Etzel (Author), Bruce J Walker (Author), William Stanton (Author), Ajay Pandit (Author), Marketing, 14/e, McGraw Hill Education	2017
5	Winer, R., Marketing, 4/e, Pearson	2015

## **NAME OF DEPTT / CENTRE** : DEPARTMENT OF MANAGEMENT STUDIES

1.	Subject Code : BMN512	Cou	rse Title : Managerial Communication
2.	<b>Contact Hours</b> :	L:	3 T: 0 P: 2
3.	Examination Duration (Hrs.	):	Theory: 2 Practical: 0
4.	Relative Weightage: CWS	50	PRS 20 MTE 0 ETE 30 PRE 0
5.	Credits: 2	6. T	erm: Second
7.	Pre-requisite: Nil	8.	Subject Area: PCC

9. **Objective:** To develop student's efficiency as potential managers.

## **10.** Details of the Course:

SI.	Contents	Lecture
no		Hours
1	Introduction to managerial communication, Forms of communication, Roles of a Manager in Communication; Barriers in managerial communication, Effectiveness in Managerial Communication	2
2	Role of Verbal & Non-verbal communication : Forms of Nonverbal Communication, Interpreting Non-verbal messages, Tips for effective use of non-verbal Communication	2
3	Introduction to managerial writing, Adaptation and selection of words, Construction of clear sentences, and paragraphs, Writing for effect, Writing process	3
4	Introduction to business messages, Types of messages, Direct and indirect message strategy	3
5	Business letters, Routine letters, Bad news and persuasive letters, Sales letters	3
6	Fundamentals of Report Writing: Basics of report writing, Short reports and proposals, Long formal reports, Short Reports	2
7	Internal communication through Memos, Minutes of meeting, Notices	2
8	Oral communication, Public speaking and oral reporting; Business Etiquettes	2
9	Creating and Delivering Good Presentations	2
	Total	21

S.	Name of Authors/Book/Publisher	Year of
No.		Publication /
		Reprint
1	Raymond Lesikar, Marie E flatly, Kathryn Rentz, and Neerja Pande,	2015
	Business Communication: Making Connections in a Digital World, , McGraw Hill, 13 <sup>th</sup> Edition	
2	Paul A. Argenti, Corporate Communication, McGraw Hill, 6 <sup>th</sup> Edition	2013
3	Mukherjee H S, Business Communication: Connecting at Work, Oxford University Press	2013
4	Teri Kwal Gamble and Michael Gamble, Communication Works, McGraw Hill, 9 <sup>th</sup> Edition	2010
5	Geraldine E Hynes, Managerial Communication Strategies and Applications, McGraw-Hill, 4 <sup>th</sup> Edition	2010

## NAME OF DEPTT / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

1.	Subject Code : BMN513 Titl	e : Organization Behaviour
2.	Contact Hours: L: 3	<b>T: 0 P:</b> 0
3.	Examination Duration (Hrs.):	<b>Theory: 3 Practical:</b> 0
4.	<b>Relative Weight age: CWS: 50</b>	<b>PRS: 0 MTE:</b> 0 <b>ETE</b> : 50 <b>PRE: 0</b>
5.	<b>Credits:</b> 1.5 <b>6.</b>	Term: Second
7.	Pre-requisite: Nil 8.	Subject Area: PCC

9. Objective of Course: To develop an understanding of behaviour of Individuals and

Group in Organizational Settings

## 10. Details of Course:

S.No.	Contents	Contact
		Hours
1	OB Model: Dynamics in organization, Contributing discipline to OB,	2
	Dependent and Independent Variables in OB Model, Personality Theories	
2	Personality; Traits, Attributes, Types of Personality, Holland]s Model,	2
	MBTI Scale, Personality Theories	
3	Leadership: Theories, Models, types of Leadership, success stories	2
4	Motivation; Theories, Models, Success stories	2
5	Organizational Change Models; Reasons, elements of change, Models, GE	2
	7 step change acceleration process, Force field analysis model	
6	Stress Management; Cognitive Appraisal, P-E Fit, Psychoanalytic, Stress	2
	Life cycle, Sources of stress, Theories of stress,	
7	Conflict Management; Consequences, causes, types of conflict, conflict	2
	process, conflict handling intentions, Outcomes of conflict	
8	Emotional Intelligence; Emotional stability, Emotional Intelligence and	2
	Leadership, Spiritual Intelligence, Emotions in Negotiations	
9	Team Building; Types of teams, Five stage Model, Group Behavior Model,	2
	Team culture, Effective Team Work	
10	Organisation Culture, Power and Politics; Organisation Culture, Culture as	3
	Liability, Stages in Socialization Process, Spiritual Organization, Bases of	
	Power, Dynamics of Power, Causes and Consequences of Political Behavior	
	Total	21

S. No.	Name of Authors/Books/Publisher/Edition	Year of Publication / Reprint
1.	Stephen P Robbins, Timothy A. Judge & Neharika Vohra, Organizational Behavior, Pearson Publication,18 <sup>th</sup> edition	2018
2.	Udai Parek. & Sushama Khanna, Understanding Organizational Behavior, Oxford University Press 4 <sup>th</sup> Edition	2018
3.	Robin Fincham & Peter Rhodes, Principles of Organizational Behavior (4 <sup>th</sup> Edition). Oxford University press, New Delhi	2008
4.	Robert A. Baron & Nyla R., Social Psychology: Understanding Human Interactions, Pearson Publication, 14 <sup>th</sup> edition	2016

NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN514 Course Title : Data Analysis for Managers
- **2.** Contact Hours: L: 3 T: 0 P: 2
- **3.** Examination Duration (Hrs.): Theory: **2** Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 20 MTE : 0 ETE: 30 PRE: 0
- 5. Credits: 2 6. Term : Second
- 7. **Pre-requisite:** Nil 8. **Subject Area:** PCC
- 9. **Objective:** The objective of this subject is to introduce and familiarize the students with the basic concepts of data analysis using Spreadsheet Modelling.
- **10.** Details of the Course:

Sl.	Contents	Contact
No		Hours
1	Formulas/Formatting/Printing/Functions	2
2	Relative/absolute cell references, Structural referencing (named ranges),	3
	Advanced formulae, LookUp Tables, Linking disparate workbooks, Dynamic	
	linking, Updating links, Integrating and manipulating data from external sources, Data Validation	
3	Research Insight, Importing, Defining, computing & applying measures of	3
	central tendency/dispersion (mean, median, quartiles, mode), Basic measures	
	of dispersion (standard deviation and range), Differences and uses of	
	different forms of data (nominal, ordinal, interval, ratio), Populations vs.	
	Samples, Charting, Filtering, Sorting, Subtotals, including frequency counts	
	Pivot Tables & Charts	
4	Solver, Goal-Seek	2
5	Charting & Presentations, Grouping data, Scenarios/What-if Analysis Data	2
	Tables/Break Even Analysis, Change tracking and collaboration	
6	Macros, Working with Large Datasets	4
7	The need for more powerful databases, Relational database concept, Excel vs.	2
	a relational database, Table creation & table field properties, Importing	
	spreadsheets, Table relationships	
8	Concatenation, Text to columns, Transposing data, Converting soft text to	3
	hard text, Summarizing data with measures of central tendency, frequency	
	tables, charts & graphs	
	Total	21

S.	Name of Authors/Book/Publisher	Year of
No.		Publicati
		on /
		Reprint
1	loring Microsoft Office Excel 2013 Comprehensive by Robert T. Grauer	2013

NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN515 Course Title: Management Accounting
- **2. Contact Hours**: **L:4 T:** 0 **P:** 0
- **3.** Examination Duration (Hrs.): Theory: 3 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- 5. Credits: 2 6. Term: Second
- 7. **Pre-requisite:** Nil 8. **Subject Area:** PCC
- **9. Objective:** To develop an insight into utilization of financial and cost accounting information for planning, controlling and decision making in the business.

## **10. Details of the Course:**

S.No.	Contents	Contact Hours
1.	<b>Introduction:</b> Nature, scope and tools of management accounting, management accounting vs financial accounting and cost accounting.	2
2.	<b>Cost Accounting:</b> Meaning, scope and classification of costs, absorption costing, cost sheet and cost analysis.	2
3.	<b>Preparation of Budgets and Budgetary Control:</b> Types of budgets, components of master budgets, operating budgets, financial budgets, budgeted income statement and balance sheet, sales forecasting and their use in the budgetary process.	6
4.	<b>Standard Costing and Variance Analysis:</b> Establishment of cost centers, types of standards, setting the standards; Material variances, labor variances, overhead variances, sales & profit variances, standard costing and budgetary control- a comparison.	6
5.	<b>Marginal Costing and Cost-Volume-Profit Analysis:</b> Marginal cost equation, contribution, break-even point, P/V ratio and margin of safety, applications of marginal costing and CVP.	4
6.	Activity Based Costing: Introduction, concept of ABC, cost drivers and cost pools, development of ABC system, allocation of overheads under ABC, traditional Vs ABC approach to designing a costing system.	4
7.	<b>Responsibility Accounting:</b> Concept, responsibility centers, goal congruence, managerial efforts and motivation; Controllability and measurement of financial performance, responsibility accounting in service, government and non-profit organizations.	2

8.	<b>Management Control System:</b> Concept, organizational goals, critical process, key success factors, responsibility centers, measures of performance, balance scorecard, key performance indicators and quality control.	2
	Total	28

S. No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Horngreen, C.T., Sundem, G.L. and Stratton, W.O., "Introduction to Management Accounting", 14 <sup>th</sup> Edition, PHI Publishing.	2012
2.	Bamber, L.S., Braun, K.W. and Harrison, T.W., "Managerial Accounting, Pearson Education.	2013
3.	Hansen, D.R. and Mowen, M.M., "Management Accounting", 7 <sup>th</sup> Edition, Thomson South Western.	2012
4.	Khan, M.Y. and Jain, P.K., "Management Accounting", 7th Edition, Tata McGraw-Hill.	2016
5.	James, Jiambalvo. "Managerial Accounting", 6 <sup>th</sup> edition, John Wiley & Sons Publishing.	2012
6.	Louder, J.G. and Holmen, J.S. "Managerial Accounting", 10 <sup>th</sup> Edition, Thomson South Western.	2013

NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

1. Subject Code : BMN516 Course Title: Financial Accounting - II

**2.** Contact Hours: L: **3** T: 0 P: 0

**3.** Examination Duration (Hrs.): Theory: 2 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 1.5 6. Term: Second

7. **Pre-requisite:** Nil 8. **Subject Area:** PCC

9. Objective: To acquaint students with the process of financial analysis based upon the accounting/financial records of a business enterprise.

## **10. Details of the Course:**

Sl. No	Contents	Contact Hours
1	Introduction to financial analysis, overview of various tools and techniques of financial analysis.	2
2	Over view of financial statements, detailed deliberation on components of financial statements.	2
3	Ratio analysis – concept, purpose, coverage and relevance. Role of ratio analysis in financial decision making.	6
4	Cash flow analysis - concept, purpose and relevance. Role of cash flow analysis in financial decision making. Preparation of cash flow statement under operating, investing and financing activities.	4
5	Comparative and common size statements – concept and relevance for financial analysis	2
6	Case studies w.r.t to financial analysis	5
	Total	21

S.	Name of Authors/Book/Publisher	Year of
No.		Publication
		/ Reprint
1.	Anthony, R. N., Hawkins, D.F. and Merchant, K. A., "Accounting- Text	2019
	and Cases", 13th Edition, Special Indian Edition, Tata McGraw-Hill	
2.	Gupta, Ambrish, "Financial Accounting for Management, 4 <sup>th</sup> edition,	2013
	Pearson Publication	
3.	Bhattacharya, S.K. and Dearden, J., "Accounting for Management, Text	2012
	and Cases", 3 <sup>nd</sup> Edition, Vikas Publishing House	
4.	Narayanaswamy, R., "Financial Accounting: A Managerial	2018
	Perspective", 6th Edition, PHI Publishing.	
5.	Ramachandran, N. and Kakani, R. K., "Financial Accounting for	2011
	Management", 3rd Edition, Tata McGraw-Hill	

NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN517 Course Title : IT and Organization
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 0 MTE : 0 ETE: 50 PRE: 0
- 5. Credits: 1.5 6. Term : Second
- 7. **Pre-requisite:** Nil 8. **Subject Area:** PCC
- **9. Objective:** To understand the role of information technology in modern organizations and explore how it provides value for businesses.

## 10. Details of the Course:

Sl. No	Contents	Contact Hours
1	Introduction- Why study IT value, Aligning IT with business strategy	3
2	IT-Based Business operating models- overview, Unification model, Diversification model, Replication model, Coordination model	3
3	IT-Based decision making- The data driven organization, IT governance: decisions, rights and accountability, IT investment, healthcare IT	3
4	Business architecture and change management- Enterprise architecture, Enterprise Software, Maturing enterprise architecture, Managing change	3
5	Managing IT and business risk- How firms drive value from IT risk management, IT outsourcing, Business process outsourcing, IT and globalization	4
6	IT-driven business innovation and agility- IT and business innovation, IT savvy, IT and business agility, New information Technologies and digital organizations	5
	Total	21

S. No.	Name of Authors/Book/Publisher	Year of Publicatio
		n /
		Reprint
1	Gallaugher, John, Information Systems: A Manager's Guide to	2018
	Harnessing Technology, v7.0	
2	Laudon, Kenneth C., and Laudon, Jane P., Management Information	2015
	Systems: Managing the Digital Firm, Pearson, 14th Ed.	
3	Ross, Jeanne, Peter Weill, and David Robertson. Enterprise Architecture	2006
	as Strategy: Creating a Foundation for Business Execution. Boston, MA:	
	Harvard Business School Press	

## **NAME OF DEPTT.** / **CENTRE** : DEPARTMENT OF MANAGEMENT STUDIES

- 1. Subject Code : BMN518 Course Title: Production and Operations Management I
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS : 50 PRS : 0 MTE : 0 ETE: 50 PRE: 0
- 5. Credits: 1.5 6. Term: Second
- 7. **Pre-requisite:** Nil 8. **Subject Area:** PCC
- **9. Objective:** To provide a systemic view of operations management and its role in the total enterprise management.

## 10. Details of the Course:

Sl.	Contento	Contact
No	Contents	Hours
1	Introduction: System concept and OM systems, role of OM in the enterprise management.	2
2	Operations Strategy: Concept of product life cycle, manufacturing strategy and competitive advantage	2
3	Types of Manufacturing systems	2
4	Types of Services System	2
5	Forecasting Techniques: Approaches, accuracy and control of forecast, computers in forecast.	5
6	Inventory Models: Static and probabilistic models, inventory control methods	5
7	Aggregate Production Planning: Aggregate demand, dimensions 6 of production capacity, mathematical models for aggregate . planning; Master production scheduling	3
	Total	21

S.	Name of Authors/Book/Publisher	Year of
No.		Publication
		/ Reprint
1	Chase, RB., Jacobs, RF., Shankar Ravi, "Operations and Supply Chain	2018
	Management", 15 th Edition McGraw-Hill	
2	Heizer J., Render B., Munson C., Sachan A., "Operations Management	2017
	Sustainability and Supply Chain Management", 12th Edition, Pearson	
3	Gaither, N. and Frazier, G., "Operations Management", Cengage	2015
	Learning	
4	Buffa, E. S. and Sarin, R., "Modem Production and Operations 2009	2009
	Management", 8th Edition, John Wiley and Sons	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-519 Course Title: Production and Operations Management 2
- **2. Contact Hours:** L: 4 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 3 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- 5. Credits: 2 6. Term: Third
- 7. Pre-requisite: Nil8. Subject Area: PCC
- **9. Objective:** To provide a systemic view of operations management and its role in the total enterprise management.

## **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Layout designs, Product, process, cellular layouts, layout in service systems, line balancing	4
2.	Location Strategies, methods of evaluating location alternatives, service location strategy	2
3.	JIT and Lean Operations	3
4.	Quality Management, cost of quality, Total quality management, Quality tools, Contribution of quality Gurus	5
5.	Statistical Quality Management, Six Sigma, Acceptance Sampling	5
6.	Maintenance Management, Reliability, TPM, Overall Equipment Effectiveness	4
7.	Sustainable operations Management, sustainable manufacturing	3
8.	New Challenges in Operations Management, Use of IT in operations Management	2
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Chase, RB., Jacobs, RF., Aquileno, N.J. and Agarwal, N.K.,	2009
	"Operations Management for Competitive Advantage", 11 <sup>th</sup>	
	Edition McGraw-Hill	
2.	Gaither, N. and Frazier, G., "Operations Management", 9th	2004
	Edition, Cengage Learning	
3.	Buffa, E. S. and Sarin, R., "Modem Production and Operations	2009
	2009 Management", 8th Edition, John Wiley and Sons	
4.	William J Stevenson, Operations Management, 12 <sup>th</sup> Edition,	2017
	McGraw Hill	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-520 Course Title: Human Resource Management
- **2. Contact Hours:** L: 4 **T:** 0 **P:** 0
- **3.** Examination Duration (Hrs.): Theory: 3 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- 5. Credits: 2 6. Term: Third
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- **9. Objective:** To create an understanding of the various facets of managing people and of policies and practices relating to the management of human resources.

## **10. Details of the Course**

S.No.	Contents	Contact hours
1.	HRM - Introduction/Strategic Role Concepts and Perspective on Human	2
1.	Resource Management; Role of HRM in a competitive business environment	2
2.	Job Analysis-Introduction, process of Job Analysis, Competency Approach	3
2.	to Job Analysis ,Methods of Collecting Job Analysis Data, Job Description,	5
	Job Specification, Role Analysis	
3.	HR Planning-Features, Objective, Importance, Process of HRP, Effective	3
51	HRP, Markov Analysis.	5
4.	Recruitment-Definition, Constraints and Challenges, Source of Recruitment,	3
	Methods of Recruitment, Selection Definition, Process, Interview	
	Techniques.	
5.	Training & Development Process Training and developing employees,	2
	Training Methods, Evaluation of training program	
6.	Performance and Potential Appraisal - Concept of Appraisal Techniques for	3
	Appraising Performance, Potential Appraisal, Performance Appraisal	
	Practices in India	
7.	Compensation Management –Introduction, Compensation Planning,	3
	Wages & Salary Administration, Wage Policy, HRA-Introduction, Personal	
	Records and Reports.	
8.	Introduction to IR-Health and Safety, Employee Welfare, Employee	2
	Grievances and Discipline, Collective Bargaining.	
9.	Participation and Empowerment, Trade unions and employers' associations,	2
10	Industrial Relations and Industrial Disputes	
10.	Career and Succession Planning –Concept of Career, Career Planning, Career	3
	Stages, Career Development, Career Management, Succession Planning,	
11	Succession Development.	2
11.	Current business trends and its impact on HR: Emerging HR issues	2
	And contemporary HR concepts and practices.	20
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Gary Dessler & Biju Varkkey , Human Resource	2019
	Management(15 <sup>th</sup> Edition) Pearson India Education Pvt. Ltd.	
2.	John M Ivancevich , Human Resource Management(11th	2017
	Edition ), The McGraw-Hill Companies	
3.	V S P Rao, Human Resource Management(3rd Edition) Excel	2010
	Books.	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-521 Course Title: Financial Management -1
- **2. Contact Hours:** L: 3 **T:** 0 **P:** 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5. Credits:** 1.5 **6. Term:** Third
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- **9. Objective:** To acquaint the MBA students with the fundamentals of corporate finance and financial management beginning with financial planning and ending with financial control.

## **10. Details of the Course**

S.No.	Contents	Contact	
		hours	
1.	Financial management: an overview, Fundamentals of corporate finance,		
	Financial Decisions in a Firm, Goals of Financial Management, The	2	
	Fundamental Principle of Finance, Building Blocks of Modern Finance.		
2.	Financial Planning and forecasting. Need of Financial Planning, Sales		
	Forecast, Proforma Profit and Loss Account, Proforma Balance Sheet,	3	
	Growth and External Financing Requirements.		
3.	The Time Value of Money, Future Value of a Single Amount, Future Value		
	of an Annuity, Present Value of a Single Amount, Present Value of an	4	
	Annuity, Intra-year Compounding and Discounting.		
4.	Techniques of Capital Budgeting. Importance, Capital Budgeting Process,		
	Project Classification, Investment Criteria, Net Present Value, Benefit Cost	4	
	Ratio, Internal Rate of Return, Modified Internal Rate of Return, Payback	4	
	Period, Accounting Rate of Return.		
5.	Estimation of project cash flows. Elements of the Cash Flow Stream,		
	Principles of Cash Flow Estimation, Cash Flows for a Replacement Project,	4	
	Biases in Cash Flow Estimation.		
6.	Risk analysis in capital budgeting. Sources and Perspectives of Risk,		
	Sensitivity Analysis, Scenario Analysis, Break-even Analysis, Hillier Model,	el, 4	
	Simulation, Analysis, Decision Tree Analysis, Corporate Risk Analysis,		
	Managing Risk, Project Selection under Risk, Risk Analysis in Practice.		
	Total	21	

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Richard Brealey and Stewart Myers and Franklin Allen,	2020
	"Principle of Corporate Finance", 13th edition, McGraw-	
	Hill Education.	
2.	Chandra, P., "Financial Management: Theory & Practice", 10 <sup>th</sup>	2019
	Edition, McGraw-Hill Education.	

3.	Eugene, F. Brigham & Michael C. Ehrhardt, "Financial Management: Theory & Practice" 15 <sup>th</sup> Edition, Cengage	2017
	Learning.	
4.	Stephen A. Ross, Randolph W. Westerfield, Jeffrey	2017
	Jaffe, Bradford D. Jordan, & Ram Kumar Kakani,	
	"Corporate Finance", 11 <sup>th</sup> edition, McGraw-Hill Education.	
5.	Van Horne, J.C., "Financial Management and Policy", 12 <sup>th</sup>	2015
	Edition, Pearson publishing.	
6.	Pandey, I.M., "Financial Management', 11th Edition, Vikas	2015
	Publishing House	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-522 Course Title: Strategic Management-1
- **2. Contact Hours:** L: 4 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 3 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- 5. Credits: 2 6. Term: Third
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- 9. Objective: To impart knowledge for developing long range strategic plans for any organization.
- **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Conceptual foundation of strategy and evolution of strategic management,	3
	strategy-making process	
2.	Vision and mission analysis, goals, objectives, policies and business model	3
3.	Environmental scanning covering both the internal firm environment (RO Model and Industry Model), and external environment	3
4.	Internal and External perspective of Value Chains with reference to Industry Analysis	2
5.	Acknowledgement of Organizational Life Cycle Stages and Strategic Choices with references to Vision	2
6.	Strategy Formulation Business Level strategy, low cost strategies, differentiation strategies, Competitive strategies, Strategies and Tactical Perspective	2
7.	Cooperative strategies, collusion, strategic alliances, joint ventures, mergers and acquisitions and the process of due diligence	4
8.	Intermediary strategic analysis and choice augmentation	2
9.	Strategy and Globalization and Localization	2
10.	Strategic implementation- staffing the organization, developing and building critical resources and capabilities, matching organizational structure to the strategy	3
11.	Strategic monitoring- evaluation process, criteria and methods, strategy- evaluation activities	2
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Thompson, A.J., Peteraf, M., Gamble, J. and Strickland, A.,	2017
	"Crafting & Executing Strategy: The Quest for Competitive	
	Advantage: Concepts and Cases", 21st Ed., McGraw-Hill	
	Higher Education	
2.	Kim, W.C. and Mauborgne, R.A., "The Blue Ocean Strategy:	2015
	How to Create Uncontested Market Space and Make the	
	Competition Irrelevant", Harvard Business Press	

3.	Reeves M., Haanaes K. and Sinha J., "Your Strategy Needs a Strategy: How to Choose and Execute the Right Approach", Harvard Business Review Press	2015
4.	Mootee, I., "Design Thinking for Strategic Innovation: What They Can't Teach You at Business or Design School", Wiley	2013
5.	David, F.R. and David, F.R., "Strategic Management: A Competitive Advantage Approach: Concepts and Cases", 16 <sup>th</sup> Ed., Pearson	2009
6.	Markides, C., "All the Right Moves: A Guide to Crafting Breakthrough Strategy", Harvard Business Press	2000
7.	Hamel, G., "Leading the Revolution", Harvard Business School Press	2000

## NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-523 Course Title: Advanced Statistics
- **2. Contact Hours:** L: 3 T: 1 P: 0
  - **3. Examination Duration (Hrs.):** Theory: 3 Practical: 0
  - 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
  - 5. Credits: 2 6. Term: Third
  - 7. Pre-requisite: Nil 8. Subject Area: PCC
  - 9. Objective: To provide knowledge of statistics for business decision making.
  - **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Introduction, Chi-Square as a Test of Independence, Chi-Square as a Test of	4
	Goodness of Fit, Analysis of Variance (ANOVA), Inferences about a	
	Population Variance, Inferences about Two Population Variance	
2.	Introduction, Estimation Using Regression Line, Correlation Analysis,	4
	Making Inference about Population Parameters, Using Regression and	
	Correlation Analyses: Limitations, Errors and Caveats	
3.	Multiple Regression and Correlation Analysis, Finding the Multiple-	4
	Regression Equation, The Computer and Multiple Regression, Making	
	Inferences about Population Parameters, Modeling Techniques	
4.	Introduction to Nonparametric Statistics, The Sign Test for Paired Data	4
	Rank Sum Test: The Mann-Whitney u Test and The Kruskal-Wallis Test,	
	The One-Sample Runs Test, Rank Correlation, The Kolmogorov-Smirnov	
	Test	
5.	Introduction, Variations in Time Series, Trend Analysis, Cyclical Variation,	4
	Seasonal Variation, Irregular Variation, A Problem Involving all Four	
	Components of Time Series, Time series analysis in forecasting	
6.	Defining an Index Number, Unweighted Aggregates Index, Weighted	4
	Aggregates Index, Average of Relative Methods, Quality and Values Indices,	
	Issues in Constructing and Using Index Numbers	
7.	The Decision Environment, Expected Profit under Uncertainty, Using	4
	Continuous Distributions: Marginal Analysis, Utility as a Decision Criteria,	
	Helping Decision Makers Supply the Right Probabilities, Decision Tree	
	Analysis	
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Richard I. Levin, David S.Rubin, M.H.Siddiqui and Sanjay	2017
	Rastogi, "Statistics for Management", Pearson, 8th Ed.	
2.	Ken Black, "Business Statistics: For Contemporary Decision	2016
	Making", Wiley, 9 <sup>th</sup> Ed.	

3.	Dennis J. Sweeny, Thomas A. Williams, Jeffery D. Camm, James Cochran, "Statistics for Business & Economics", South Western Publication, 13 <sup>th</sup> Ed.	
4.	David M. Levine, David. F. Stephen, K.A. Szabat, "Statistics	2017
	for Managers Using Microsoft Excel" Pearson, 7th Ed	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-524 Course Title: Consumer Behaviour Analysis
- **2. Contact Hours:** L: 2 **T:** 0 **P:** 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- 5. Credits: 1 6. Term: Third
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- **9. Objective:** To develop an understanding of the consumer decision making process and its application in marketing functions of firms.

#### **10. Details of the Course**

S.No.	Contents	
1.	Introduction to Consumer behavior analysis, Consumer behavior determinants, Outcomes of consumer decisions	2
2.	Creating marketing strategies for customer centric organization: from market analysis to market strategy, role of consumer behavior	
3.	Consumer Decision Process, Model decision process, Types of decision process, factors influencing the extent of problem solving	
4.	Pre-purchase processes, Need recognition, Search and evaluation	
5.	Purchase-to buy or not to buy, retailing and the purchase process, determinants of retailers success or failure, changing retail landscape.	
6.	Post purchase processes- Consumption behavior, consumption experiences, post consumption evaluations.	
	Total	14

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Blackwell, R. D, Miniard. P. W., Engel, J.F., and Rahman, Z.,	2017
	Consumer Behavior, 10/e, Cengage	
2.	Schiffman. L., et al. Consumer Behaviour 12/e, Pearson.	2018
3.	Solomon, M, R., Consumer Behavior: Buying, Having, 10/e,	2016
	PHI Publications	
4.	Graham, J. F., Critical Thinking in Consumer Behavior: Cases	2009
	and Experiential Exercises, 2/e, Pearson	
5.	Assael. H., Consumer Behavior: A Strategic Approach, 1/e,	2003
	Cengage Learning	
### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-525 Course Title: Digital Transformation and Business
- **2. Contact Hours:** L: 3 **T:** 0 **P:** 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: Third
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- **9. Objective:** The objective of this course is to understand the economics of information and explore how it determines digital transformation of businesses.

#### 10. Details of the Course

S.No.	Contents	
		hours
1.	Digital transformation: economics of information, network economy, economics of networks, digital markets	2
2.	Information goods: differential pricing, signaling and screening, bundling and aggregation, Search and competition	4
3.	Two-sided networks and platform competition, Pricing at zero, The long tail	4
4.	Targeted online advertising- Measurement, analytics, and experimentation	4
5.	Open source and IPR, IT-Based Experimentation, replication & innovation	4
6.	Digital advantage, Future of the Information Economy	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Shapiro, C., and Varian, H., Information Rules: A Strategic	1998
	Guide to the Network Economy. Cambridge: Harvard	
	Business School	
2.	Brynjolfsson, E. and B. Kahin. Understanding the Digital	2000
	Economy: Data, Tools, and Research	
3.	Rogers D., The Digital Transformation Playbook – Rethink	2016
	Your Business for the Digital Age (Columbia Business School	
	Publishing)	
4.	Brynjolfsson, Erik, and Adam Saunders. Wired for Innovation:	2009
	How Information Technology is Reshaping the Economy.	
	Cambridge, MA: MIT Press	
5.	Varian, Hal, Joe Farrell, and Carl Shapiro. The Economics of	2005
	Information Technology: An Introduction. Cambridge, UK:	
	Cambridge University Press	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-526 Course Title: Project Management
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: Third
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- **9. Objective:** To provide an integrative approach to management of projects, detailing the concepts of various phases of the Project Life Cycle and also the different Knowledge Areas of Project Management including agile methodology

### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction - Project and Project characteristics, project life cycles, Determinants of project success, Developing project management maturity, Project Elements	2
2.	Project Selection and Portfolio Management : Project Selection, Approaches to Project Screening and Selection, Financial Models, Project Portfolio Management, Analytic Hierarchy Process	2
3.	Project Management Processes for a Project : Project Management Processes, Project management Process Groups, Process Interactions, Project Management Process Mapping, The Project Management Knowledge Areas	2
4.	Project Integration Management: Develop Project Charter, Develop Preliminary Project Scope Statement, Develop Project Management Plan, Direct and Manage Project Execution, Monitor and Control Project Work, Integrated Change Control, Close Project Project Scope Management : Scope Planning, Scope Definition, Create Work Breakdown Structure(WBS), Scope Verification, Scope Control	3
5.	Project Schedule Management: Activity Definition, Activity Sequencing, Activity Resource Estimating, Activity Duration Estimating, Schedule Development, Schedule Control, CPM &PERT, Earned Value Analysis Project Cost Management : Cost Estimating, Cost Budgeting, Cost Control	4
6.	Project Quality Management: Quality Planning, Perform Quality Assurance, Perform Quality Control, Six Sigma Project Resource Management: Resource Planning, Develop Project Team, Manage Project Team, Control Resources Project Communications Management: Communications Planning, Information Distribution, Performance Reporting, Manage Stakeholders	3
7.	Project Risk Management : Risk Management Planning, Risk Identification, Qualitative Risk Analysis, Quantitative Risk Analysis, Risk Response Planning, Risk Monitoring and Control	2
8.	Project Procurement Management: Plan Purchases and Acquisitions, Plan Contracting, Request Seller Responses, Select Sellers, Contract Administration, Contract Closure	3

I	Project Stakeholder Management: Identifying Stakeholders, Managing and	
	Monitoring Stakeholder Engagement	
	Agile, Iterative, Adaptive and Hybrid Project Environments	
ſ	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Jeffrey K. Pinto, "Project Management" Pearson publication, 4 <sup>th</sup> edition	2016
2.	"A guide to the Project Management Body of Knowledge (PMBOK guide)" Project Management Institute; 6th edition	2017

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-527 Course Title: International Business
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5. Credits:** 1.5 **6. Term:** Third
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- **9. Objective:** To familiarize students with international trade and investment, global monetary system, strategies and structure of IB.

### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	International Business- Importance, nature and scope; Modes of entry into	4
	international business; Management of international business operations -	
	complexities and issues; IT and international business, India's involvement	
	in International Business. Internationalization stages and orientation (EPRG	
	framework), LPG framework	
2.	Comparative environmental Frameworks-Cultural, political, legal, and	4
	economic environment facing business	
	Theories and institutions of trade and investment- international trade theory,	
	government influence of trade, regional economic integration and	
	cooperative agreements, factor mobility and FDI	
3.	World financial environment: Foreign exchange market, determination of	3
	exchange rates	
	Dynamics of international business-government relationships: Government	
	policy and plan for FDI, IB negotiation and diplomacy	
4.	Foreign Trade Promotion Measures and Organizations in India: Special	4
	economic zones (SEZs) and 100% export-oriented units (EOUs); Measures	
	for promoting foreign investments into and from India; Indian joint ventures	
	and acquisitions abroad.	
5.	International Economic Institutions and Agreements: WTO,IMF, World	3
	bank, UNCTAD, Agriculture Agreement; GATS; TRIPS; TRIM	-
6.	Regional Economic Integration: Free trade area, customs union and common	3
	market; Theory of customs union; Trade creation and diversion effects;	
	Regionalism vs. multilateralism; Structure and functioning of EC and	
	NAFTA; Regional Economic Cooperation. European Union (EU), ASEAN,	
	SAARC, NAFTA	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Hill, C.W.L. etal., "International Business", 10th Edition,	2018
	McGraw-Hill	
2.	Daniels/Salwan, International Business environments and	2016
	operations, 15 <sup>th</sup> edition, Pearson publications	
3.	Sundaran/Black, International Business Environment, 10 <sup>th</sup>	2015
	edition, Pearson	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-528 Course Title: Data Science and Big Data Analytics
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- 9. Objective: The objective of this course is to learn data science and machine learning algorithms, and how to perform big data analytics to solve business challenges.

#### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Introduction to Big Data Analytics, Data Analytics Lifecycle	3
2.	Programming Essentials for Analytics: Python, R, SQL	5
3.	Advanced Analytical Theory and Methods: Clustering, Association Rules, Decision Trees, Neural Networks, SVM, Time Series Forecasting, Text Mining	9
4.	Advanced Analytics-Technology and Tools: MapReduce and Hadoop, In- Database Analytics	4
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Galit Shmueli, Peter C. Bruce, Inbal Yahav, Nitin R. Patel,	
	Kenneth C. Lichtendahl Jr., Data Mining for Business	2018
	Analytics: Concepts, techniques and applications in R, Wiley	
2.	Data Science and Big Data Analytics: Discovering, Analyzing,	2015
	Visualizing and Presenting Data, EMC Education Services	2013
3.	Aurélien Géron, Hands-On Machine Learning with Scikit-	
	Learn, Keras, and TensorFlow: Concepts, Tools, and	2019
	Techniques to Build Intelligent Systems, 2nd Edition, O'Reilly	2019
	Media	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-529 Course Title: Product Management
- **2.** Contact Hours: L: 2 **T**: 0 **P**: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1 **6.** Term: IV
- 7. **Pre-requisite:** Nil 8. Subject Area: PCC
- **9. Objective:** To know that the extensive role of Product Management and Product Development in the contemporary world of business.

#### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Product – What it's all about and Product management in contemporary	2
	marketing environment	
2.	Product strategy and integration with marketing mix elements, product levels	3
	and classification in product management, product lifecycles and product	
	portfolio management, Positioning	
3.	Product planning and market planning, understanding the relationship with	2
	respect to objectives of market departments involved and interdepartmental	
	considerations, Relationship of PLC with Industry Life Cycle, Organizational	
	Life Cycle, Leadership and Holistic Marketing at Large	
4.	Category planning and evaluation, category attractiveness analysis,	2
	competitors, analysis, going beyond competition, customers analysis,	
	customer analysis, market potential and sales forecasting	
5.	Introduction to product and offerings, developing product strategy, role of	2
	technology, inventions and innovations, pricing and brand development	
	considerations, product and the perspective of targeting and segmentation	
6.	New product development process and its positioning, packaging and product	3
	development, market research and its influence on new product development	
	Design Thinking and NPD, Insights and NPD, Changing industry norms	
	through NPD	
	Total	14

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Keller, K.L. and Swaminathan V., "Strategic Brand	2019
	Management: Building, Measuring, and Managing Brand	
	Equity", 5 <sup>th</sup> Ed., Prentice Hall	
2.	Kapferer, J., "The New Strategic Brand Management:	2012
	Advanced Insights and Strategic Thinking", 5th Ed., Kogan	
	Page	
3.	Trott, P., "Innovation Management and New Product	2008
	Development", 4 <sup>th</sup> Ed., Prentice Hall	
4.	Donald, R.L. and Russell S.W., "Product Management", 3rd	2002
	Ed., Tata McGraw Hill	

5.	Reis, A. and Trout, J., "Positioning: The Battle for Your Mind", McGraw Hill Education	2001
6.	Kotler and Keller, "Marketing Management" 15th Ed. Pearson	2015

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-530Course Title: Marketing Research
- **2.** Contact Hours: L: 3 T: 1 P: 0
- **3.** Examination Duration (Hrs.): Theory: 3 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 2 **6.** Term: IV
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- **9. Objective:** The objective of the course would be to give the students an understanding of marketing research from both user's (management) and doer's (the researchers) perspective.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction to Business Research and Research Design, Research in consumer and Industrial markets, online research.	2
2.	Research Design: Exploratory Research, Descriptive & Causal Research Experimental designs	4
3.	Scale development and sampling, Questionnaire development, Data Collection: Primary and secondary data	3
4.	Qualitative Research: Ethnography and observation, Projective techniques, Focus group, Delphi, scenario building, Interviewing techniques, Case study, Content analysis	4
5.	Quantitative Research: Univariate, bivariate and multivariate analysis	5
6.	Mixed method research, Report writing, ethics in research	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Business Research Methods by Cooper, Schindler and Sharma,	2018
	McGrawHill Publications, 12 <sup>th</sup> edition	
2.	Business Research Methods by Alan Bryman and Ema Bell,	2018
	McGrawHill Publications, 4 <sup>th</sup> edition	
3.	Marketing Research by Malhotra & Dash, Pearson Publication	2016
	7 <sup>th</sup> Edition	
4.	Marketing Research by Aaker, Kumar, Leone and Day, Wiley	2016
	publications 11 <sup>th</sup> edition	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-531 Course Title: Legal Aspects of Business
- **2.** Contact Hours: L: 4 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 3 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 2 **6.** Term: IV
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- 9. Objective: To develop basic understanding of laws related to business.

#### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Introduction to Law: Sources and development of law, type of law: civil, criminal, revenue, personal, labour, environment, intellectual property.	2
2.	Laws of contract: Formation of contract, offer, acceptance, revocation of offer and acceptance, essentials of contract, void and voidable contracts, consideration, tender, performance of contract, breach of contract and remedies thereof.	6
3.	Sale of Goods: Essentials of sale, sale and ownership, conditions and warranties, sale by description, sale by general name.	3
4.	Negotiable Instruments: Meaning, promissory note, bill of exchange, cheque, parties to a negotiable instrument, negotiation, liability of a banker	4
5.	Company Law: Formation of a company, memorandum and articles of association, foreign companies, winding up	6
6.	Limited Liability Partnership: Meaning, formation, comparison with other business organizations	3
7.	Miscellaneous Laws: Right to information, Introduction to IP laws, Laws related to environmental issues.	4
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Datey V.S., "Business and Corporate Laws", Taxmann's , 6 <sup>th</sup>	2013
	Edition	
2.	Corporate Laws Vol 1 and 2 by Taxmann's, 43rd Edition	2021
3.	Jain D.K., "Company Law Ready Reckoner (set of 2 volumes),	2021
	Bharat, 23 <sup>rd</sup> Edition	
4.	Bare Acts –	
	Indian Contracts Act	
	Sale of Goods Act	
	Negotiable Instruments Act	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-532 Course Title: Financial Management 2
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- **9. Objective:** To acquaint the MBA students with some relevant concepts of financial management, valuation and investment decisions.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Capital Structure: Approaches of capital structure, theories of capital structure, Taxation and capital structure, Capital structure decision.	4
2.	Cost of capital: Cost of debt and preference capital, cost of equity, WACC, Determining the optimal capital budget, project cost of capital, flotation cost and the cost of capital, factor affecting the WACC.	4
3.	Valuation of bonds and stocks: valuation concepts, bod valuation, bond yields, bond market. Equity valuation, dividend discount model, the P/E ratio approach.	4
4.	Dividend decision: Dimensions of dividend policy, dividend policy formation, corporate dividend behavior, legal and procedural aspects, bonus shares, shares buyback, dividend policy in practice.	4
5.	Working capital management: Management of current assets and current liabilities	3
6.	Introduction to portfolio theories and asset pricing models.	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Richard Brealey and Stewart Myers and Franklin Allen,	2020
	"Principle of Corporate Finance", 13th edition, McGraw-Hill	
	Education.	
2.	Chandra, P., "Financial Management: Theory & Practice",	2019
	10 <sup>th</sup> Edition, McGraw-Hill Education.	
3.	Eugene, F. Brigham & Michael C. Ehrhardt, "Financial	2017
	Management: Theory & Practice" 15th Edition, Cengage	
	Learning.	
4.	Stephen A. Ross, Randolph W. Westerfield, Jeffrey	2017
	Jaffe, Bradford D. Jordan, & Ram Kumar Kakani, "Corporate	
	Finance", 11 <sup>th</sup> edition, McGraw-Hill Education.	
5.	Van Horne, J.C., "Financial Management and Policy", 12 <sup>th</sup>	2015
	Edition, Pearson publishing.	
6.	Pandey, I.M., "Financial Management', 11 <sup>h</sup> Edition, Vikas	2015
	Publishing House	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-533 Course Title: Strategy and Business Policy
- **2.** Contact Hours: L: 4 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 3 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 2 **6.** Term: IV
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- 9. Objective: To impart knowledge for developing long range strategic plans for any organization.

#### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Business Policy-Perspective and Corporate Governance	3
	Understanding the relevance of corporate culture and leadership in strategic management	5
2.	Business ethics covering universalism, relativism and social contracts theory, relevance of ethical standards in crafting and executing strategy, drivers of unethical behaviour in strategy especially with reference to strategic choices. Implementation and Corporate Governance	2
3.	Understanding the concept of corporate social responsibility and good citizenship, environment sustainability and stakeholder analysis	3
4.	Blue ocean strategy concept and analytical framework, formulation and execution of blue ocean strategy along with learning to avoid red ocean traps	4
5.	Fortune at the bottom of the pyramid with capability approach, Capitalism at the Cross Roads	3
6.	Understanding business transformation and process through innovation, strategic driving of cocreated value as an enabler of innovation, The new Age of Innovation	4
7.	Conceptualization of design thinking in strategic decisions and understanding application of design thinking in redefining strategic management	3
8.	Strategy making in times of change, 21 <sup>st</sup> century evolving terms and techniques in strategic management practical environment	2
9.	Strategic Leadership-Policy-Strategy- A relationship in totality-Disaster Accounting and Steering Organizations and Industry at large through unforeseen and unprecedented circumstances	3
10.	Designing and Creating Black Swans-Future and the Strategic Leadership	1
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Thompson, A.J., Peteraf, M., Gamble, J. and Strickland, A.,	2017
	"Crafting & Executing Strategy: The Quest for Competitive	
	Advantage: Concepts and Cases", 21 <sup>st</sup> Ed., McGraw-Hill	
	Higher Education	
2.	Kim, W.C. and Mauborgne, R.A., "The Blue Ocean Strategy:	2015
	How to Create Uncontested Market Space and Make the	

	Competition Irrelevant", Harvard Business Press	
3.	Prahalad, C.K., "Fortune at the Bottom of the Pyramid:	2013
	Eradicating Poverty Through Profits", Pearson	
4.	Chia, R.C. and Holt, R., "Strategy without Design: The Silent	2009
	Efficacy of Indirect Action", Cambridge University Press	
5.	Kazmi, Azhar., "Strategic Management and Business Policy"	2008
	McGrawHill	
6.	Taleb, Nassim Nicholas., "Black Swan The Impact of Highly	2008
	Improbable" Penguin U K	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-534 Course Title: Supply Chain Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV
- 7. Pre-requisite: Nil 8. Subject Area: PCC
- 9. Objective: To impart knowledge of supply chain concepts and operations of supply chain.

### 10. Details of the Course

S.No.	Contents	Contact
		hours
1.	Introduction to SCM: Importance and imperatives, Various flows in SCM	3
	Push and Pull view, Cycle view of SCM, Drivers of SCM	
2.	Strategic issues in SCM, Fisher's framework, Examples	2
3.	Facilities, Location, models, examples Transportation	2
4.	Transportation, Network design, Network models, Use of Linear	3
	Programming	
5.	Inventory – models, (deterministic, and stochastic) examples, case, Aggregate	3
	models	
6.	Inventory, Sourcing decisions, vendor managed inventory	2
7.	Information systems, Role of IT Demand distortion -Bull whip effect, IT in	2
	SCM- blockchain, IoT, Digitization, platform economy	
8.	SCOR template, performance measurement	2
9.	Reverse Supply chain, circular economy, sustainability	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Sunil Chopra, Peter Meindl, Supply Chain Management,	2018
	Pearson	
2.	D. Simchi-Levi, P. Kaminsky, E. Simchi-Levi, Ravi Shankar,	2017
	Designing and Managing the Supply Chain, Tata McGraw Hill	
3.	Shah Janat, Supply Chain Management, Pearson Education	2016

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-639 Course Title: Management of Self and Interpersonal Dynamics
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To develop an understanding of all the three types of work relationships that every professional faces-relationships with direct reports, peers, and bosses

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Relational Development and Maintenance; Characteristics of Relationship, Knapp's 10 Stages of relationship, Dialectical Perspectives and Tensions, Repairing Damaged Relationship, 12 Interpersonal Styles	2
2.	Fundamental Interpersonal Relationship Orientation– Behavior; Introduction, Evolution, Types of Behavior, FIRO B Model	2
3.	Forgiveness; Introduction, Definitions of Forgiveness, Dimensions of Forgiveness, Models of Forgiveness	2
4.	Happiness at Workplace; Meaning, Definitions of Happiness, Theories, Models of Happiness, Methodology- Instrument (Questionnaire), Trust; Introduction, Definitions of Trust, Dimensions of Trust, Models of Trust	3
5.	Managerial Effectiveness; Introduction, Definition, Concept, Basic Managerial Philosophies, Models of Managerial Effectiveness, Leadership and Managerial Effectiveness	2
6.	Buddhist approach to MSID; Introduction, Four nobel truths, Fundamentals of Buddhism, Basic pillars of Buddhism, Management through buddhist lens	2
7.	Chanakya and Interpersonal Dynamics; Teachings of Management & Interpersonal Dynamics, Seven Pillars of successful Business, Five Chanakya's Aphorisms, Strengthening Strategies for Interpersonal Relationships, Chanakya Raj Dharma Bhagwat Gita & Interpersonal Dynamics; Introduction, Influences of the Bhagwat Gita, Case study, Critical questions to all managers, Knowledge of the Self and Interpersonal Relations: Lessons from Bhagvad GITA	3
8.	Emotional Negotiation; Importance, approaches of Emotion In Negotiation, Temporal Phases for Negotiation, Model of Negotiation Problems and Possible Solutions, Indian Negotiation Strategies and Technical Ways. Understanding Cultural Influences on Negotiation	2
9.	Moods and Emotions; Affect, Emotions, and Moods, The Functions of Emotions Sources of emotions and moods, Applications of emotions and moods Adaptability; Introduction, Definition, Adaptability process in Organization, Antecedents of adaptive performance, The enemies of Adaptability Optimism; Introduction, Literature, Types/ Classification, Theories of optimism, Outcome/ results, Strategies to become more optimistic, Examples of optimistic leaders	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Udai Parek. & Sushama Khanna, Understanding	2018
	Organizational Behavior, Oxford University Press 4 <sup>th</sup> Edition	
2.	Exploring Interpersonal Dynamics Edited by: Pamela L.	2004
	Perrewe, Daniel C. Ganster	
	Study material prepared on the basis of Research Journals.	
3.	INTERPERSONAL DYNAMICS IN THE SMALL	1970
	GROUP. By Gerald M. Phillips and Eugene C. Erickson. New	
	York: Random House,	
4.	The Interpersonal Dynamics of Emotion: Toward an Integrative	2016
	Theory of Emotions as Social Information, Gerben A. van	
	Kleef, Cambridge University Press;	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-659 Course Title: Queuing Systems and Simulation
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. **Pre-requisite:** Basic knowledge of Operations Research 8. Subject Area: PEC
- 9. Objective: To build foundation on queuing models, simulation and their managerial implications.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Fundamental Insights: The M/M/s Type Systems, Little's Law, Conservation Laws and PASTA	5
2.	Multi-class queues, priority queues, Fundamentals of Queueing Networks: Open and Closed Networks with Product-Form Solutions	6
3.	Random number generation, generating discrete and continuous random variable	4
4.	Simulation via discrete events, verification of simulation model, Statistical analysis of simulated data, Inventory model, repair problem	6
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Bose, Sanjay K. An introduction to queueing systems. Springer	2013
	Science & Business Media.	
2.	Ross, Sheldon M. Simulation. Academic Press, 5 <sup>th</sup> edition.	2012
3.	Stidham Jr, Shaler. Optimal design of queueing systems. CRC	2009
	press.	
4.	Banks, Jerry. Discrete event system simulation. Pearson	2005
	Education India,	
5.	Harchol-Balter, Mor. Performance modeling and design of	2013
	computer systems: queueing theory in action. Cambridge	
	University Press.	
6.	Hassin, Refael, and Moshe Haviv. To queue or not to queue:	2003
	Equilibrium behavior in queueing systems. Vol. 59. Springer	
	Science & Business Media.	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-678 **Course Title:** Digital Marketing **T:** 0 **P:** 0 **Contact Hours:** 2. L: 3 **Examination Duration (Hrs.):** Theory: 2 **Practical:** 0 3. **MTE:** 0 Relative Weightage: CWS: 50 **PRS:** 0 **ETE: 50** 4. **PRE:** 0 5. Credits: 1.5 6. Term: IV/V/VI/VII 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To familiarize the students with various digital marketing initiatives that are being extensively used by business enterprises to meet business objectives.

#### **10. Details of the Course**

S.No.	Contents	Contact
1.	Introduction to Digital Marketing Landscape: Evolution, Meaning, and	hours
1.	Strategic relevance of Digital Marketing, Owned, Earned & Paid Media,	2
2	Frameworks in Digital Marketing, 4P's in Digital Marketing	2
2.	Understanding Digital Consumer: Understanding Consumer Journey, P-O-E-	3
	M Framework, 3i Principles in a Digital World, Consumer Behaviour &	
	Buyer Persona, Creating Digital Assets and Data Bases	
3.	Business Models and Digital Marketing Channels: Display Advertising,	2
	Email, Mobile and Social Media Marketing.	
4.	Search Engine Marketing: Meaning, Campaign Launch & Optimization,	5
	Landing Page Optimization. Search Engine Optimization: How Search	
	Engines Work - Indexing & Crawling Basics, Optimizing Crawl Budget,	
	Keyword Research, On-page SEO, Link Building, Content Planning &	
	Optimization, Competition Research, SEO vs SEM	
5.	Social Media Marketing: Managing Social Media Platforms, Leveraging	4
	Benefits of Social Media and Amplifying messages, Ads Manager & Business	
	Manager, Campaign Setup & Optimization, Measuring Effectiveness of	
	Social Media Campaigns	
6.	Organic Social Media: Selecting the right network, Customer Relationship	2
	Management, Rise of Influencer Marketing	
7.	Measuring Results in a Digital World: Web Analytics, Data Mining,	3
	Reporting and Calculating ROI, Ethics in Digital Marketing, Ethical	
	Dilemmas in Digital Marketing: Context of Inevitability	
Total		21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Ian Dodson, The art of Digital Marketing, Wiley	2019
2.	Seema Gupta, Digital Marketing. Mc Graw Hill	2018
3.	Digital Marketing, Vandana Ahuja, Oxford	2016
4.	Digital Marketing: A Practical Approach, A. Charlesworth,	2018
	Routledge	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-691 Course Title: Modern Financial Markets and Market Microstructure
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. **Pre-requisite:** Nil 8. Subject Area: PEC
- 9. Objective: To provide a comprehensive overview of modern Financial Markets

#### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Financial Market Microstructure (Dealer Markets, Limit-Order Books	2
2.	Measures of Risk and Return (Variance, risk-return framework)	2
3.	Liquidity of Financial Markets (Spread, Depth, Immediacy)	2
4.	Cash Flow Discounting and Valuation of Securities	2
5.	Efficient Market Hypotheses and Behavioral Finance	2
6.	Risk and Cost of Capital	2
7.	Fixed Income Securities (Bonds, Notes, etc.)	2
8.	Index Investing (Construction of Portfolios, Risk Diversification)	3
9.	Mutual Funds (Open-ended Funds, Closed-Ended Funds)	2
10.	Theories of Asset Pricing (Information Asymmetry, Inventory models,	2
	CAPM)	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Brealy, Myers, Allen; "Principles of Corporate Finance", McGraw Hill Education., 12 <sup>th</sup> Edition.	2018
2		2014
2.	Elton & Gruber, "Modern Portfolio Theory", Wiley, 9 <sup>th</sup> Edition	2014
3.	Reilly, Frank, K., "Investment Analysis and Portfolio	2017
	Management", 5 <sup>th</sup> Edition, Dryden.	
4.	Mishkin & Eakins, "Financial Markets and Institutions", Pearson, 9 <sup>h</sup> Edition.	2018
5.	Frederic S. Mishkin, "The Economics of Money, Banking and Financial Markets", 11 <sup>th</sup> Edition	2019

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-681 Course Title: Basics of Quantitative Finance
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/ V/VI/VII
- 7. Pre-requisite: Nil8. Subject Area: PEC
- 9. Objective: To impart knowledge of the contemporary mathematical framework for financial management.

### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Relevance of probabilistic concepts in financial markets, moments, conditional expectations, binomial distributions.	5
2.	Normal distributions, attributes of lognormal distribution, relevance of lognormal distribution in financial modeling.	4
3.	Markov processes and their relevance, convergence of random variables	3
4.	Random walk processes, Brownian motion	3
5.	Differentiation in stochastic environment, integration in stochastic environment, the Ito integral	3
6.	Discrete time and continuous time martingales	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1	Hull, J.C., "Options, Futures, and Other Derivatives", 7 <sup>th</sup> Ed.,	2009
1.	Prentice Hall	2009
2.	Neftci, S.N., "Introduction to the Mathematics of Financial	2000
	Derivatives", 2 <sup>nd</sup> Ed., Academic Press	
3.	Cerny, A., "Mathematical Techniques in Finance: Tools for	2009
	Incomplete Markets", 2 <sup>nd</sup> Ed., Princeton University Press	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-682
   Course Title: Working Capital Management
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To acquaint the students with the lower part of the balance sheet and help them to understand the concepts of Short-term sources of funds and their uses.

### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Working capital management, meaning, concepts, classification and	2
	importance of working capital, objectives of working capital, factors	
	determining working capital requirements, working capital approaches.	
2.	Assessment and forecasting of working capital requirement, working capital	2
	financing, determining the working capital financing mix	
3.	Inventory management, purpose and benefits of holding inventory, risk and	3
	cost of holding inventory.	
4.	Receivables management, cost of maintaining receivables, factors	3
	influencing receivables, formation and execution of credit policy.	
5.	Management and nature of cash, motives of holding cash, cash management,	4
	managing cash flows, determining optimum cash balance, cash management	
	models, Investment of surplus funds.	
6.	Management of payables, meaning, objectives and dimensions of payables	3
	management.	
7.	Sources of working capital, new trends in financing of working capital by	4
	banks, Brief review of the recommendations of different committees on	
	working capital.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Bhattacharya H, "Working Capital Management: Strategies	2016
	and Techniques", PHI Publishing, 4 <sup>th</sup> edition.	
2.	James.S.S., "Working Capital Management: Applications and	2016
	Case Studies" John Wiley & Sons, 6th edition.	
3.	Mathur S.B., "Working Capital Management & Control-	2019
	Principles and Applications", New Age International	
	Publishers, 2 <sup>nd</sup> edition.	
4.	James, O., "Cash and Working Capital Management: A Guide	2019
	to Understanding the Strategic role of Cash and Working	
	Capital Management in the Long - term Viability of an	
	Organisation, Kindle edition.	
5.	Brealy, Myers, Allen; "Principles of Corporate Finance",	2018
	McGraw Hill Education., 12 <sup>th</sup> Edition.	

## NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-683 Course Title: Security Analysis for Investment
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To provide a comprehensive view of Security Analysis for investment decisions.
- **10. Details of the Course**

S.No.	Contents	Contact hours
1.	<b>Financial Market Operations:</b> Market infrastructure (trading system design, short-selling, etc.), money markets and capital markets, instruments and interest rates	3
2.	<b>Measures of Risk and Return</b> : Risk-return framework, standard deviation (variance), VaR, ES, etc.	3
3.	<b>Financial Market Microstructure</b> : Theories of market-microstructure: Limit order books and quote-driven markets; Market quality, price discovery, and liquidity;	3
4.	<b>Fundamental valuation of securities:</b> Cash flow discounting, estimating cost of equity and cost of firm (FCFF vs FCFE)	3
5.	<b>Efficient Market Hypotheses and Behavioral Finance:</b> Weak, semi- strong, and strong form of efficiency; Overreaction and Under reaction hypothesis; Effect of investor sentiment on security prices	3
6.	<b>Introduction to Fixed Income Securities</b> (Bonds, Notes, etc.): Yield-to- maturity computation, valuation of fixed income securities; Term structure of interest rates, introduction to forward contracts	3
7.	<b>Introduction to Derivatives:</b> Risk management with futures & options (Call, Put), pricing of derivatives; Put-Call parity, creation of synthetic options	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Brealy, Myers, Allen; "Principles of Corporate Finance",	2018
	McGraw Hill Education., 12 <sup>th</sup> Edition.	
2.	Elton & Gruber, "Modern Portfolio Theory", Wiley, 9th	2014
	Edition	
3.	Reilly, Frank, K., "Investment Analysis and Portfolio	2017
	Management", Cengage, 10 <sup>th</sup> Edition,.	
4.	Mishkin & Eakins, "Financial Markets and Institutions" ",	2018
	Pearson, 9 <sup>h</sup> Edition.	
5.	John C Hull, "Options, Futures, and other Deriavatives",	2018
	Pearson, 10 <sup>th</sup> Edition	

**PRE:** 0

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- Subject Code: BMN-684
   Course Title: Indian Financial System
- **1. Contact Hours:** L: 3 T: 0 P: 0
- **2.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 3. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50
- **4.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: None8. Subject Area: PEC
- 9. Objective: To provide a comprehensive overview of Indian Financial System.

### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Overview of the Indian financial system – The big picture on financial	3
	Markets, mutual funds, banking, regulatory bodies, etc.	
2.	Government security and money markets in India- G-Sec market (T-Bills	3
	and dated securities), auction mechanisms, repo markets (overnight, term),	
	Tri-party repo, call money market.	
3.	Corporate Bond market in India: Market infrastructure and other	3
	properties (performance, liquidity, market quality, price discovery etc.),	
	Indian market vis-à-vis global corporate bond markets, issues afflicting the	
	development of Indian bond market	
4.	Equity and derivative markets in India: Market infrastructure and other	3
	properties (performance, liquidity, market quality, price discovery etc.),	
	Comparison with developed markets, issues afflicting the development of	
	equity market in India	
5.	Mutual Fund Industry in India: Evolution of the industry over the years,	3
	current scenario, performance relative to other developed country mutual	-
	fund industries, contribution to financial inclusion	
6.	<b>Contemporary financial intermediation in India:</b> Role of Banking, project	3
	finance, and credit rating industry in India	-
7.	Regulatory aspects of Indian financial system: Role of SEBI and RBI as	3
	regulatory and monitoring authorities, key prudential norms and regulations	
	pertaining to banking and financial services, mutual fund industry, credit	
	rating, etc.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Anthony Saunders; "Financial Institutions Management: A	2017
	Risk Management Approach", McGraw Hill Education., 7th	
	Edition.	
2.	Mishkin & Eakins, "Financial Markets and Institutions",	2018
	Pearson, 9 <sup>h</sup> Edition.	
3.	Cooperman "Managing Financial Institutions", Routledge, 1st	2016
	Edition	
4.	Donald and Koch, "Bank Management", Cengage Learning,	2014
	8 <sup>th</sup> Edition	
5.	Frederic S. Mishkin, "The Economics of Money, Banking and	2019
	Financial Markets", Pearson, 11 <sup>th</sup> Edition	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-685 Course Title: International Corporate Finance
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To impart knowledge about financial management in an international business environment in the light of currency risk, political situations, imperfect markets, and diversified opportunity sets.

### 10. Details of the Course

S.No.	Contents	Contact hours
1.	International Bond and Equity Market, International Capital Structure and	4
	Cost Of Capital	
2.	Foreign Direct Investment and Cross Border Acquisition, International	5
	Capital Budgeting.	
3.	Multinational Working Capital Management: Management of International	
	Cash Balances, Cash Management in Practice. Receivable and Inventory	
	Management	
4.	Country Risk Analysis, International Tax Environment and Transfer Pricing.	3
5.	International Portfolio Investment; Optimum Portfolio Selection,	5
	International Diversification Through ADRs, Hedge Funds And ETFs etc.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Laurent L. Jacque, "International corporate Finance", Wiley	2020
2.	P.G Apte. "International Financial management", Mc Graw	2011
	Hill	
3.	Cheol S Eun, Bruce G Resnick "International Financial	2017
	Management ", McGraw Hill	
4.	Jeff Madura "International Financial management" Cengage	2018
	Learning	
5.	Reid W. Click, Joshua D.Coval "The Theory and practice of	2007
	International Financial Management ", Pearson education	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- Course Title: Financial Engineering 1. Subject Code: BMN-686 2. **Contact Hours: T:** 0 **P:** 0 L: 3 3. **Examination Duration (Hrs.):** Theory: 2 **Practical:** 0 4. **Relative Weightage:** CWS: 50 **PRS:** 0 **MTE:** 0 **ETE: 50 PRE:** 0 5. Credits: 1.5 6. Term: IV/V/VI/VII 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge on various aspects of financial risk management and provide exposure to the tools and techniques of financial engineering for design of new financial products.

#### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Basics of futures	2
2.	Futures trading strategies, hedging, hedge ratio, cross hedging	3
3.	Option Greeks and their relevance in risk management & market trading	4
4.	Option strategies & their applications for risk management	3
5.	Speculation, its role in market equilibrium, spread strategies for speculative	3
	exposures	
6.	Swaps, their characteristics & applications.	3
7.	Futures options, elementary applications & pricing.	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Hull, John, C., "Risk Management & Financial Institutions",	2012
	Wiley Finance	
2.	Neftci, Salih, N. "Principles of Financial Engineering",	2008
	Academic Press	
3.	Saunders, Anthony & Cornett, Marcia Millon, "Financial	2008
	Institutions Management: A Risk Management Approach"	
	McGraw Hill/Irwin	
4.	Marshall, John, F & Bansal, Vipul, "Financial Engineering"	1992
	PHI Learning	
5.	Cuthbertson, Keith & Nitzsche, Dirk, "Financial Engineering:	2001
	Derivatives & Risk Management" John Wiley	

## NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-687 Course Title: Applications of Quantitative Finance
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. **Pre-requisite:** Basics of Quantitative Finance 8. Subject Area: PEC
- 9. Objective: To understand the mathematics of financial derivatives.

### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Stock price modelling in continuous time	2
2.	Financial derivatives, their characteristics & applications	2
3.	No arbitrage pricing of forward contracts, FRAs	2
4.	Futures contracts: features & applications	4
5.	Option contracts: Characteristics, Price Bounds, Put-Call parity- various scenarios.	3
6.	Option pricing models: Discrete time models: binomial model	3
7.	Black Scholes continuous time model, Black Scholes PDE & its solution	3
8.	Features of Black Scholes Model	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Hull, J.C., "Options, Futures, and Other Derivatives", 7 <sup>th</sup> Ed.,	2009
	Prentice Hall	
2.	Neftci, S.N., "Introduction to the Mathematics of Financial	2000
	Derivatives", 2 <sup>nd</sup> Ed., Academic Press	
3.	Cerny, A., "Mathematical Techniques in Finance : Tools for	2009
	Incomplete Markets", 2 <sup>nd</sup> Ed., Princeton University Press	

## NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-688 Course Title: Financial Risk Management
- **2.** Contact Hours: L: 3 **T**: 0 **P**: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge on various aspects of financial risk management and provide exposure to the tools and techniques of financial risk management.

### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction to the various measures of financial risk and their mathematical and statistical properties.	4
2.	Measurement of interest rate risk, management of interest rate risk with STIFs & bond-futures.	3
3.	Concept of VaR, VaR of equity portfolios, modelling & empirical measurements	4
4.	VaR of bond & derivative portfolios, methods of measurement	4
5.	VaR measurement and application by financial institutions and banks for portfolio optimization. Concept of volatility in financial management.	2
6.	Modelling, measurement & management of volatility.	4
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Hull, John, C., "Risk Management & Financial Institutions",	2012
	Wiley Finance	
2.	Neftci, Salih, N. "Principles of Financial Engineering",	2008
	Academic Press	
3.	Saunders, Anthony & Cornett, Marcia Millon, "Financial	2008
	Institutions Management: A Risk Management Approach"	
	McGraw Hill/Irwin	
4.	Marshall, John, F & Bansal, Vipul, "Financial Engineering"	1992
	PHI Learning	
5.	Cuthbertson, Keith & Nitzsche, Dirk, "Financial Engineering:	2001
	Derivatives & Risk Management" John Wiley	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-689 Course Title: Financial Modelling
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 2 **Practical:** 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge on various aspects of financial modelling provide exposure to the tools and techniques of financial modelling.

### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Random Variables, Probability Distributions, Moments, MGFs &	3
	Characteristic Functions, Stochastic Processes, Markov Processes,	
	Filtrations, Central Limit Theorem, Linear Regression.	
2.	Ito Processes, Stochastic Differential Equations, Generalization to Several	4
	Dimensions, Solution of Stochastic Differential Equations, Arithmetic	
	Brownian Motion, Ornstein- Uhlenbeck Process, Geometric Brownian	
	Motion	
3.	Optimization: Maxima and Minima, Lagrange Multipliers, Quadratic	4
	Programming, Calculus of Variations, Stochastic Programming	
4.	Random walk models, Multifactor models, APT models, Cointegration,	3
	State-space modeling and cointegration, ARCH/GARCH models.	
5.	Arbitrage principle, Arbitrage pricing in a one-period setting, Risk-Neutral	3
	probabilities, Complete markets, Arbitrage pricing in a multiperiod finite-	
	state setting, Equivalent martingale measures, Path dependence and Markov	
	models	
6.	Arbitrage Pricing in continuous-state, continuous-time models: The	4
	Arbitrage principle in continuous time, Arbitrage pricing in continuous-state,	
	continuous-time.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Focardi, S.M. & Fabozzi, F.J, "The mathematics of financial	2004
	modelling & investment management,", Wiley Finance, 2004	
2.	Neftci, Salih, N. "Principles of Financial Engineering",	2008
	Academic Press	
3.	Reilly, F K, Brown, K C & Leeds, S J, "Investment Analysis	2018
	and Portfolio Management", 11th ed., Cengage	
4.	Marshall, John, F & Bansal, Vipul, "Financial Engineering"	1992
	PHI Learning	
5.	Cuthbertson, Keith & Nitzsche, Dirk, "Financial Engineering:	2001
	Derivatives & Risk Management" John Wiley	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-690 Course Title: Banking and Bank Finance
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil8. Subject Area: PEC
- **9. Objective:** To provide a comprehensive overview of banking operations and risk management in banks

### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction to Banking Operations: Commercial Banking, Investment	3
	Banking, Retail and Rural banking, etc.; Contemporary issues in banking (Shadow banking)	5
2.	<b>Introduction to Risk in Banking:</b> Default risk, interest risk, liquidity risk;	3
2.	Liquidity and solvency	5
3.	<b>Risk management of Banks:</b> Interest Rate Risk Management (Duration and	3
	Dollar GAP, SWAPs, FRAs); Credit Risk Models in Banks (Altman Z-Score,	
	Merton's Option Pricing Model)	
4.	Capital Adequacy and Liquidity Management in Banks: Asset liability	3
	management (Management of deposits, reserve requirements); BASEL I, II,	
	& III regulations	
5.	Theories of Loan pricing: Introduction to credit risk analysis; Mathematics	3
	of loan pricing, expected loss, loss given default, default on single loan &	
	loan portfolios; Deposit insurance, loan pricing and moral hazard	
6.	Project Finance: Cash flow securitization; Structuring the project finance	3
	transaction, advantages and risks associated with a project finance	
	transaction, key counter-parties and their roles in project finance risk	
	management	
7.	Theories of bank capital structure: Leverage in banks, option model of	3
	bank leverage; Discipline of debt theory and monitoring theory	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Anthony Saunders; "Financial Institutions Management: A Risk Management Approach", McGraw Hill Education., 7 <sup>th</sup>	2017
	Edition.	
2.	Joel Bessis, "Risk Management in Banking", Wiley, 4th	2015
	Edition,	
3.	Frederic S. Mishkin, "The Economics of Money, Banking and Financial Markets", Pearson, 11 <sup>th</sup> Edition	2019
4.	Cooperman "Managing Financial Institutions", Routledge, 1 <sup>st</sup> Edition	2016
5.	Donald and Koch, "Bank Management", Cengage Learning, 8 <sup>th</sup> Edition	2014

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-692 Course Title: Behavioral Finance
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To acquaint the students with the influence of psychology on the behaviour of investors or financial analysts

### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Behavioural finance – Introduction- Psychology and market people - Investors, portfolio managers, analysts; Bounded rationality in real market conditions. Decision-making process and behavioural biases. Simple experiments on anchoring.	2
2.	Rational market hypothesis and Challenges of Behaviouralists	2
3.	Foundations of rational finance – Expected utility theory, MPT, CAPM, EMH, AT, The influence of Psychology.	4
4.	Heuristics and Biases – Working of human mind, Familiarity and Related Heuristics, Representativeness and related biases, Anchoring.	4
5.	Self-Deception – forms of overconfidence, causes of overconfidence, Other forms of self-deception.	2
6.	Prospect theory and mental accounting, Neuroscientific and evolutionary perspective.	4
7.	Challenges to EMH, Emotional factors and social forces, Investor behavior, value investing	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Prasanna Chandra, "Behavioural Finance" 2 <sup>nd</sup> edition,	2020
	McGraw Hill Publication.	
2.	Baker, H.K., Filbeck G., & Nofsinger J.R., "Behavioural	2019
	Finance: What Everyone Needs to Know", Reprint edition,	
	Oxford University Press.	
3.	Pompain M.M., "Behavioural Finance and Wealth	2019
	Management: How to Build Investment Strategies That	
	Account for Investor Biases", 2 <sup>nd</sup> edition, John Wiley & Sons	
	Publishing.	
4.	Statman M., "Behavioural Finance", 2 <sup>nd</sup> Generation, CFA	2019
	Institute research foundation.	
5.	Pompain M.M., "Behavioral Finance and Your Portfolio:	2020
	Manage Your Biases to Make Better Investment Decisions"	
	John Wiley & Sons Publishing.	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-693 Course Title: Business Valuation
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To acquaint the students with the concepts and process of business/corporate valuation.

### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Business valuation: An overview - context and approaches of valuation, intrinsic and stock market value.	2
2.	Enterprise DCF Model, Cost of capital.	4
3.	Other DCF models- Equity DCF model, adjusted present value model, economic profit model, Relative valuation.	4
4.	Non-DCF approaches to valuation – book value approach, stock and debt approach, strategic approach to valuation	3
5.	Valuation of real options – Black & Scholes model, Binomial model for option valuation.	4
6.	Valuation of intangible assets, Advanced issues in valuation, Regulatory oversight on valuation	4
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Prasanna Chandra, "Corporate Valuation", 2 <sup>nd</sup> edition,	2020
	McGraw Hill Publications.	
2.	Vikash Goel, "Business Valuation - A practitioner's guide to	2021
	valuation of companies", Bloomsbury Professional India.	
3.	Christopher M.Z. & Harms T.W., "Business valuation-An	2020
	Integrated theory", 3 <sup>rd</sup> edition, John Wiley & Sons.	
4.	Koller T., Marc G. & David W. "Valuation – Measuring &	2020
	managing the value of companies", 7th edition, Mckinsey &	
	Company.	
5.	Vijay P.K., & Sawheny C. "Business valuation in India -	2019
	Beyond the numbers", 2 <sup>nd</sup> edition, Wolters Kluwer Publishing	
6.	Damodaran A. "Damodaran on Valuation",2 <sup>nd</sup> edition, John	2016
	Wiley & Sons	

## NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-694 Course Title: Infrastructure and Project Finance
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To acquaint the students with the concepts of infrastructure finance and financing of the projects, both greenfield and brownfield.

### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Definition of infrastructure and projects, project life cycle/ phases, stakeholders, organization and skills	2
2.	Create value through project and infrastructure finance, Understanding project versus corporate finance	2
3.	Project feasibility and appraisal, Project cost estimation and control	3
4.	Capital budgeting, project financing and managing cash flows,	3
5.	Financing sector specific projects.	4
6.	Understanding the public-private partnership (PPP) and private finance initiatives (PFI)	2
7.	Optimal restructuring of projects under distress	2
8.	Analyse project risk and rewards	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Chandra, P., "Projects - Planning, Analysis, Selection, Financing, Implementation and Review",9 <sup>th</sup> edition., McGraw Hill Publishing	2018
2.	Paul D. Clifford, "Project Finance: Applications and Insights to Emerging Markets Infrastructure", Wiley & Sons publishers.	2020
3.	John E. Triantis, "Project Finance for Business Development", Wiley & Sons publishers.	2018
4.	Yescombe E.R. & Edward F., "Public-Private Partnerships for Infrastructure: Principles of Policy and Finance, 2 <sup>nd</sup> edition, Butterworth-Heinemann publishing.	2018
5.	Anthony Higham, Carl Bridge, Peter Farrell, "Project Finance for Construction, 1 <sup>st</sup> edition, Routledge publishing.	2017

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-695 Course Title: Money and Central Banking
- **1. Contact Hours:** L: 3 T: 0 P: 0
- 2. Examination Duration (Hrs.): Theory: 2 Practical: 0
- 3. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- 4. Credits: 1.5
   6. Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To provide a comprehensive overview of monetary management of Central Bank and its implications for the Indian financial system.

### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Introduction to money and credit: Hierarchy of money and credit, different	3
	prices of money	
2.	Introduction to Central Banking: Evolution of global central banking, role	3
	of central banking around financial crisis	
3.	Currency system in India: Currency issuance, Types of Money supply and	3
	monetary aggregates (M0, M1, M2, M3), factors affecting supply of money	
4.	Money market operations of RBI: Introduction to key policy terminology	3
	Repo, reverse repo, LAF, MSF, CRR, SLR, etc.	
5.	Evolution of monetary policy in India: Evolution of central banking and	3
	monetary policy framework in India (monetary targeting, multiple indicator	
	approach, inflation targeting, etc.)	
6.	Introduction to liquidity management in India: Historical perspective,	3
	attributes of surplus and deficit liquidity management, contemporary aspects	
	of liquidity management	
7.	Conventional and unconventional monetary policies in the modern	3
	financial system: TLTRO, LTRO, Operation Twist, etc., crisis management	
	by RBI	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Anthony Saunders; "Financial Institutions Management: A	2017
	Risk Management Approach", McGraw Hill Education., 7th	
	Edition.	
2.	Joel Bessis, "Risk Management in Banking", Wiley, 4th	2015
	Edition,	
3.	Mishkin & Eakins, "Financial Markets and Institutions",	2018
	Pearson, 9 <sup>h</sup> Edition.	
4.	Cooperman "Managing Financial Institutions", Routledge, 1 <sup>st</sup>	2016
	Edition	
5.	Frederic S. Mishkin, "The Economics of Money, Banking and	2019
	Financial Markets", Pearson, 11 <sup>th</sup> Edition	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-696 Course Title: Portfolio Management
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/VVI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To provide a comprehensive view of Portfolio Management for investment decisions.

### 10. Details of the Course

S.No.	Contents	Contact hours
1.	<b>Economic theory of choice under uncertainty-</b> Investment and consumption behavior, Utility theory and risk (Risk averse, risk-neutral, risk-loving, indifference curves)	3
2.	<b>Portfolio Optimization</b> in the Mean-Variance Framework – Two Security Case- Correlation, covariance, diversification	3
3.	<b>Portfolio Optimization</b> in the Mean-Variance Framework – Multi Security Case- Region of feasibility, short-sale constraints, efficient frontier description, techniques for computing efficient frontier	3
4.	Single Index & Arbitrage Pricing Model- Assumptions and derivation of expected return, variance, and covariance	3
5.	<b>Capital Asset Pricing Model and its variants-</b> Mathematical derivation of CAPM and simple graphical approach to understand CAPM, non-standard versions of CAPM (zero-beta, riskless lending and borrowing, short-sale, etc.)	3
6.	<b>Mutual Funds and Portfolio Performance Appraisal-</b> Closed-end and open-end funds, index funds, ETFs; Performance measures (Sharpe ratio, Teynor's measure, Jensen's alpha), performance measurement with downside risk, Selection and timing	3
7.	<b>Fixed Income Portfolio Management</b> : Duration and convexity, portfolio immunization, active and passive portfolio management	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Brealy, Myers, Allen; "Principles of Corporate Finance",	2018
	McGraw Hill Education., 12 <sup>th</sup> Edition.	
2.	Elton & Gruber, "Modern Portfolio Theory", Wiley, 9th	2014
	Edition	
3.	Reilly, Frank, K., "Investment Analysis and Portfolio	2017
	Management", Cengage, 10 <sup>th</sup> Edition.	
4.	Mishkin & Eakins, "Financial Markets and Institutions",	2018
	Pearson, 9 <sup>h</sup> Edition.	
5.	Frederic S. Mishkin, "The Economics of Money, Banking and	2019
	Financial Markets", Pearson, 11 <sup>th</sup> Edition	
#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-697 Course Title: Foreign Exchange Risk Management
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge on various aspects of foreign exchange risk management and provide exposure to the tools and techniques of forex management.

#### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Unique challenges in International finance, International Monetary System, Balance of Payment, Various economic Currency Crisis.	3
2.	Foreign Market: Basics, Forex Market Working, Spot Exchange Rates, Currency Arbitrage, Exchange Rate Quotations, Exchange rate systems.	4
3.	Forex and Parity: International Parity Relationships: Interest rate parity, purchasing power parity, Forecasting Foreign Exchange Rates.	4
4.	Currency Markets: Currency Futures, Currency Option, Currency Swaps.	4
5.	Foreign Exchange Exposure and Management: Management of Transaction Exposure, Management of Economic Exposure, Management of Translation Exposure.	6
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	A.Alviniussen, H. Jankensgård, L. Oxelheim." Corporate	2020
	Foreign Exchange Risk Management", Wiley.	
2.	M.S.V. Prasad, G.V. Satya Sekhar. "Currency Risk	2018
	Management", Vernon Press.	
3.	Cheol S Eun, Bruce G Resnick. "International Financial	2017
	Management ", McGraw Hill	
4.	Jeff Madura., "International Financial management" Cengage	2018
	Learning	
5.	Ghassem A. Homaifar. "Managing Global Financial and	2004
	Foreign Exchange Rate Risk", Wiley Finance Book	

## NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-631 Course Title: Human Resource Planning and Development
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
  - 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
  - **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
  - 7. Pre-requisite: Nil 8. Subject Area: PEC
  - 9. Objective: To develop skills for Human resource planning and development.
  - **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Manpower Planning – introduction and objectives, labor market analysis and labor supply, process, challenges, responsibility of HRP; Organizational human resource planning, Attraction and retention of talent	2
2.	Career management, Career planning vs human resource planning, career development, succession planning and management, career planning vs succession planning, Career Stages, Career Anchors	3
3.	Models and techniques of manpower demand and supply forecasting, staffing table, markov analysis, skills inventory, replacement chart	3
4.	Recruitment-concept, constraint and challenge, source of recruitment, methods of recruitment, evaluation of the source of recruitment, recruitment policies and procedures, Diversity & Inclusion, Employee Wellness, Employee Engagement, Contingent Workforce, Gig-Work Network	3
5.	Behavioral factors in human resource planning, redeployment and exit strategies, job analysis, behavioral factors in job analysis, job description, job specification, job evaluation	4
6.	HR challenges in IT industry, technology and Human resource planning and development, HR Bots – chatbots Digital HR, Augmented HR Practices, HR Innovation Labs, Personalisation in HR	2
7.	Human resource development, evolution of Human resource development, HRD vs HRM, Human resource development subsystems, principles of HRD, HRD in Indian industries, HRD survey, TQM and HRD strategies, HRD in strategic organizations, HRD climate	2
8.	Human resource information system (HRIS), significance of HRIS, human capital management, human capital valuation: methods and models of valuation, human capital valuation in manufacturing and service industry	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	McBey, K., "Strategic Human Resources Planning", 5 <sup>th</sup> Edition, Cengage Learning.	2015
2.	Belcourt, M., Strategic Human Resources Planning, 6 <sup>th</sup> Edition, Cengage Learning.	2015
3.	Dessler, G. "Human Resource Management", 11 <sup>th</sup> Edition, Pearson Education.	2009
4.	Herman, A., "Performance Planning", 2 <sup>nd</sup> Edition, Pearson Education	2009
5.	Flippo, E.B., "Personnel Management", 6 <sup>th</sup> Edition, McGraw Hill	2006
6.	Peel, "Career Development and Planning", Tata McGraw Hill	1992

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-632 Course Title: Organisational Development
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge about different steps of organizational development.

### 10. Details of the Course

S.No.	Contents	Contact
		hours
1.	Designing Interventions –Effective Interventions and their design;	2
	Overview of various Interventions, OD Practitioner - Competencies and	
	Skills of Organization Development	
2.	Techniques of Organizational Development Intervention – Human	2
	Process Interventions: Interpersonal and group process interventions,	
	organizational process approaches	
3.	Human Process Interventions: Interpersonal and group process	4
	interventions, organizational process approaches	
4.	Technostructural interventions: Restructuring organizations, Employee	3
	involvement, Work Design	
5.	Technostructural interventions Continued: Restructuring organizations,	3
	Employee involvement, Work Design	
6.	Human Resources Management Interventions: Performance management,	4
	Developing Talent, managing workforce diversity and wellness, Human	
	Resources Management Interventions continued: Performance management,	
	Developing Talent, Managing workforce diversity and wellness	
7.	Strategic change interventions: Transformational change, Continuous	3
	change, Trans organizational change	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Palmer, Dunford, and Akin, Managing Organizational	2011
	Change, Tata McGrarw Hill, Edition	
2.	Cummings, T. G. & Worley, C. Theory of Organization	2009
	Development and Change, Cengage Learning.	
3.	French, W. L. & Jr. Bell, C. H., Organization Development:	2008
	Behavioural Science Interventions for Organization	
	Improvement. Prentice-Hall of India Private Ltd.	
4.	Radha Sharma, Change Management and Organizational	2014
	Transformation, Tata McGraw Hill, 2 <sup>nd</sup> Edition.	
5.	Radha Sharma, Change Management: Concepts and	2010
	Applications, Tata McGraw Hill.	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-633 Course Title: Labour Legislation and Industrial Relations
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** The course discusses Historical reasons for the formation of combinations of workers, legal impediments Constitutional freedom to form associations and unions Constitution of India.

#### 10. Details of the Course

S.No.	Contents	Contact
		hours
1.	The Factories Act ,1948	2
2.	Trade Unions Act ,1926	2
3.	The Payment of Wages Act, 1948	2
4.	The Payment of Bonus Act, 1965. Workmen's Compensation Act, 1923.	2
5.	ESI Act,1948, Employee Provident Fund Act,1952	2
6.	Maternity Act, 1961, Contract Labour, 1970	2
7.	Introduction and Importance of Industrial Relations	2
8.	Workers Participation In Management	3
9.	Payment of Gratuity Act,1972	1
10.	Collective Bargaining, Industrial Dispute Act,1947	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Seema Priyadarshini Shekhar, P. R. N. Sinha, InduBala Sinha.	2017
	Industrial Relations, Trade Unions and Labour Legislation.	
	McGraw-Hill Education, USA.	
2.	P L Malik., Law Relating to Trade Unions and Unfair Labour	2017
	Practices in India (25th Edition). Eastern Book Company.	
3.	S. C. Srivastava (Rev. (2012) Labour Law and Labour	2012
	Relations: Cases and Materials. Vikas Publishing	
4.	Piyali Ghosh and Shefali NandaN. Industrial Relations and	2015
	Labour Laws. McGraw-Hill Education.	
5.	Bare Acts of Labour Laws. Manchanda & Sons. Eastern Books	2020
	Company.	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-634 Course Title: Career Planning and Performance Management
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil8. Subject Area: PEC
- 9. Objective: To develop skills for career planning and development.

S.No.	Contents	Contact hours
1.	Concept of career, stages, choices, anchors, development, Career Exploration, development programs, counseling, patching, career planning and performance	3
2.	Career information systems (CIS), management and supervisory development, organizational assessment programs- assessment centers, Networking Search Strategies, Influencing Networking Partners	2
3.	Psychological testing, training, special groups issues, development of different career stages, career development problems and issues, Career Planning: Self-Assessment, Identifying Professional Talents, Professional Communications	2
4.	Performance audit and its rationale, appraisal systems, rating scales, human errors in ratings, employees' participation in appraisal process, performance management systems - benefits, steps, importance, features, processes, dimensions, conceptual framework, performance-based career planning.	3
5.	PM and mentoring, Importance of selection of PM criteria, integrated PM systems, Performance matrix and models, productivity indices, team PM, principles of team PM, approaches to change team behaviors	3
6.	Frequency of appraisals, appraisal counseling, analyzing existing appraisal system, designing new appraisal system, methods of calculation of appraisals	4
7.	International performance management – structure and strategy, effect of culture on performance, diversity management and training, performance management in international assignments, compensation management	2
8.	Ethical and legal issues of performance management – concepts, perspectives, objectives, benefits, dilemmas; contemporary issues of performance management, organizational development tools as drivers of PM, lean management and culture	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Bhattacharya, D. K., "Performance Management Systems and	2011
	Strategies", Pearson Education, 1 <sup>st</sup> Edition	
2.	Peel, "Career Development and Planning", Tata McGraw Hill	1992
3.	Career Management and Succession Planning Study Paperback	1993
	-1, By Great Britain: Cabinet Office	
4.	Herman, A., "Performance Planning", 2nd Edition, Pearson	2009
	Education	
5.	Rao, V.S.P., "Human Resource Management", 2 <sup>nd</sup> Edition, Excel	2009
	Books	
6.	Dessler, G. "Human Resource Management", 11th Edition,	2009
	Pearson Education.	
7.	Flippo, E.B., "Personnel Management", 6th Edition, McGraw	2006
	Hill	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-635 Course Title: Training and Talent Development
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil8. Subject Area: PEC
- **9. Objective:** The course discusses how an organization can create a culture to develop employee talent through various talent management processes.

S.No.	Contents	Contact
		hours
1.	Creating a talent Management Program for Organizational Excellence:	3
	Designing the Building Blocks for Organization Excellence: The Talent	
	Management Model, Strategies of success of leading companies - Case	
	Discussions	
2.	Competency Models: Fundamentals of competency modeling to create	3
	workforce for future, Designing performance appraisal for driving	
	organizational success; Conducting Performance Review to Improve Quality	
	of the Talent Base	
3.	Succession and Career Planning: Integrating Succession Planning and	3
	Career Planning; Determining Employees Potential for Growth, Coaching,	
	Training and Development Approaches to Drive Talent Management	
	Processes	
4.	Training and development: A new Context of Learning: Strategic	3
	training, Models of training, Globalization and training practices in Indian	
	organizations	
5.	Training needs assessment: Methods for need assessment, process of need	3
	assessment- organizational analysis, person analysis, task analysis,	
	competency model of need assessment	
6.	Organizational strategies for employee development: E-Learning and use	3
	of technology in training, E-learning and employee development, developing	
	effective online learning, blended learning	
7.	Training methods and techniques: use of technologies for training delivery,	3
	training for virtual work arrangements, sharing of intellectual capital through	
	information technologies	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Larry Isrealite, Talent Management: strategies for success	2011
	From Six leading Companies, (American society of Talent and	
	Development), Cengage Learning,	
2.	Lance Berger, Dorothy Berger, The Talent Management	2010
	Handbook: Creating a Sustainable Competitive Advantage by	
	Selecting, Developing, and Promoting the Best People	
3.	Raymond, A. N. and Kodwani A.D., Employee Training and	2008
	Development, 4th Edition, Tata McGraw Hill	
4.	Janice Caplan, The Value of Talent: Promoting Talent	2011
	Management Across Organizations, Kogan Page	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-636 Course Title: Competency Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To develop skills and competencies of the Human Resources of the organisation.

S.No.	Contents	Contact hours
1.	<b>Introduction to competency:</b> Introduction to role and competencies- evolution of competency concept, definition and scope of competencies, components of competencies, types of competencies, competency levels, and competency profiles; Core competencies; Criteria for determining core competencies; Issues involved in overlooking core competencies; Competencies as link between strategy and human resource programmes.	3
2.	<b>Competency mapping:</b> Concept of competency mapping- evolution of competency mapping, understanding significance and need of competency mapping, elements of competency mapping, classification of competency mapping, and tools and techniques for competency mapping.	4
3.	<b>Competency modelling and competency models:</b> Competency identification process; Competency modelling- assumptions and guidelines for model development, strategies to develop a model, steps in developing a model; Factors affecting competency framework; Current trends in competency modelling. Need of competency models; Competency models; Validation of competency models; Applications and uses of competency models; Linking competency models to HR systems.	4
4.	<b>Process of Competency management:</b> Competency management process and methods; Building a competency management system; Manager's role in competency management; Team competency management; Issues in team competency management. Competency management in organizations- competency-based recruitment & selection, competency-based training & development, competency-based career management, competency-based performance management, competency-based succession planning; competency-based talent management.	4
5.	<b>Competency driven success:</b> Assumptions and Methodology of Career Management; Career Review Meetings; Model for Competency Driven Career Progression; Coaching Linkages; 360-degree Feedback (360-degree Review); Career driven managerial and enabling competencies; Guidelines to foster core competencies for competitive advantage; Developing Core Competencies for Competitive Advantage; Impact of competency development process.	3
6.	<b>Competency assessment:</b> Concept; Characteristics and types of Assessment; Factors Affecting Assessment; Competency Assessment Frameworks;	

Involvement of Stakeholders in assessment; Assessment process; Assessment	3
Guidelines; Paradigm shift in Assessment.	
History of Assessment Centres; Early stages of Assessment Centres;	
Characteristics, Elements of Assessment Centres; Tools & Technique	
deployed in Assessment Centres; Training of Assessors; Role of Assessor in	
Assessment centre; Competency Coaching Skills and Mentoring.	
Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Sanghi S., "The Handbook of Competency Mapping:	2016
	Understanding, Designing and Implementing Competency	
	Models in Organizations", Sage Publications India Private	
	Limited (3rd edition)	
2.	Shermon G. and Shermon A., "Talent Mapping - Competency	2016
	Based Workforce Planning", lulu.com, 1st Edition	
3.	Bhatawdekar S. and Bhatawdekar K., "Competency	2015
	Management: Competency Matrix and Competencies", Create	
	space Independent Publishing. 1 <sup>st</sup> Edition	
4.	Gupta B., "Competency framework for human resources	2011
	management", Concept Publishing Company. 1st Edition	
5.	Mukherjee S., "Competency mapping for superior results",	2011
	Tata McGraw-Hill Education, 1 <sup>st</sup> Edition	
6.	Holt J. and Perry S.A.,"A Pragmatic Guide to Competency",	2011
	BCS, The Chartered Institute for IT".	
7.	Shermon G., "Competency based HRM: A strategic resource	2004
	for competency mapping, assessment and development	
	centres", Tata McGraw-Hill Education.	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-637 Course Title: Management of Change
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge regarding planning and managing change and provides framework and tools to implement it.

S.No.	Contents	Contact hours
1.	<b>Introduction to Organizational Change</b> : Reasons of organizations' change, Forces of change, elements of changes in organizations: types of change, Recent developments and theoretical frameworks.	3
2.	<b>Perspectives of Organizational Change:</b> Environment dependent organizational perspective, contingency perspective, population ecology, resource dependence, and process oriented perspectives	3
3.	<b>Diagnosis for Change</b> : Models and approaches based on process, content, evolving managerial interpretations, and integration of change models	3
4.	<b>Readiness to change</b> : Factors contributing to resistance, mechanism underlying resistance: individual factors, group, and organizational factors, Human, behavioral, cognitive and affective processes underlying resistance to change, Strategies for introducing planned change: Empirical-rational, normative-reductive, power-coercive strategies, techniques to manage resistance	3
5.	Leaders and change agents in managing change: Six roles of change managers, Managing Resistance, Managing change in self and others, Leading change	3
6.	<b>Organizational Development interventions to manage change:</b> Designing Interventions, Objectives, Definition, Organizational development interventions and classifications, Overview of various Interventions, OD Practitioner – Competencies and Skills of Organization Development	3
7.	<b>Human Process Interventions</b> : Human Resource Interventions, Technostructural Interventions, Strategic interventions: Organizational learning and knowledge management	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Palmer, Dunford, and Akin, Managing Organizational Change,	2011
	Tata McGrarw Hill,	
2.	Cummings, T. G. & Worley, C. Theory of Organization	2009
	Development and Change, Cengage Learning.	
3.	French, W. L. & Jr. Bell, C. H. Organization Development:	2008
	Behavioural Science Interventions for Organization	
	Improvement. Prentice-Hall of India Private Ltd.	
4.	Radha Sharma, Change Management and Organizational	2014
	Transformation, Tata McGraw Hill, 2 <sup>nd</sup> Edition.	
5.	Radha Sharma, Change Management: Concepts and	2010
	Applications, Tata McGraw Hill.	

## NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-638 Course Title: Managing Innovation and Creativity
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** The course aims to develop an understanding of creative processes and creative problem solving techniques.

#### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Managing Creativity: An Overview, Introduction to Creativity and	3
	Innovation, Nature of Creativity: Person, Process, Product and Environment,	
	Nature of Innovation: Making the Idea a Reality, Strategies for Innovation	
2.	Understanding Creativity: Need for Creativity and Innovation in	3
	Organizations, Role of Creativity and Innovation in the Organisation	
	Dynamics that underlie Creative Thinking	
3.	Creative insight: Source of good ideas, Idea evaluation, handling available	4
	ideas, Creativity in Teams	
4.	Developing and Contributing to a Creative-Innovation Team Managing	5
	for Creativity and Innovation Tools and Techniques in Creativity, Creativity	
	Techniques (Brainstorming; lateral Thinking; Morphological Analysis;	
	Attribute Listing, etc.)	
5.	Managing Creativity in Organisation: Evolving a Culture of Creativity and	3
	Innovation in Organizations, Creativity in the Workplace Creativity and	
	Change Leadership	
6.	Global Perspectives on Creativity including popular cases	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Allan Afuah, Innovation Management: Strategies	2009
	Implementation & Profits, Oxford Publications	
2.	Steve Conway & Fred Steward, Shaping Innovation, Oxford	2010
	Publications	
3.	Rogers Everett, Diffusion of Innovations, 5th Edition	2003
4.	Clayton M. Christensen, The Innovator's Dilemma: When	2016
	New Technologies Cause Great Firms to Fail.	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-640 Course Title: Strategic Human Resource Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. **Objective:** To develop the perspective of strategic human resource management and understand the relationship of HR strategy with overall corporate strategy.

S.No.	Contents	Contact hours
1.	<b>Overview of Strategic Management:</b> Need and Importance, The resource- based view of the firm, Strategic Fit: A conceptual framework, Mission, Values and Objectives, Analysis of organizational resources and capabilities	3
2.	<b>Strategic Human Resource planning:</b> Classification of organizations based on the purpose of HR plan, Integration of HR plan and business plan, Activities related to strategic HR planning, Techniques of HR planning, Significance of HR planning in Indian industries	3
3.	<b>Strategic approach to manpower acquisition and selection:</b> Strategic recruitment, Location based employee market segmentation: Internal vs. External market, HR strategy driven employee market choice, Business strategy driven external employee market choice, Segmenting employee market, Developing knowledge stock for future use. Managerial selection for supporting the strategy of diversity.	3
4.	Strategic approach to management structure, job design and work systems: Introduction to organizational structure, Evolution of structure, Structure when market knowledge assets are more valuable than purchased assets, Structure and organizational culture, Job Design, Alternative and high-performance work systems, Developing knowledge resource for management of manpower.	3
5.	<b>Strategic management of performance:</b> Introduction to Strategic management of performance, linking strategy to results at different levels, assessing performance at different levels, Assessing the performance of organization's human infrastructure, developing effective performance management systems, Correcting the performance gaps.	4
6.	<b>Strategic approach to compensations and benefits:</b> Introduction to employee compensation, Generic approach to strategic compensation, Strategic approach to compensation, Trends in Top-level Executive Compensation, Business Strategy and Compensation, Total Compensation and Rewards Strategy, Executive compensation.	3
7.	<b>Developing HR as strategic value addition Function:</b> Gaining competitive advantage through HR, HR as a strategic business partner, the VRIO framework, Changing role of HR, Future challenges of HR	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Gary Dessler., Gary Varkkey, Biju. Human Resource Management, Pearson Education; Sixteenth edition	2020
2.	Mello, Jeffrey A., Strategic human resource management. 4 <sup>th</sup> Edition, Cengage Learning.	2019
3.	Das, Pulak. "Strategic Human Resource Management", 3 <sup>rd</sup> Edition, Cengage Learning	2012
4.	Agarwala, T., "Strategic Human Resource Management", 4 <sup>th</sup> Edition, Oxford University Press	2007
5.	Mello, Jeffrey A. "Strategic Human Resource Management", 3 <sup>rd</sup> Edition, Cengage Learning	2010
6.	Armstrong, M., "Armstrong's Handbook of Strategic Human Resource Management", 5 <sup>th</sup> Edition, Kogan Page	2011
7.	Stewart, L. Greg and Brown, Kenneth, "Human Resource Management: Linking strategy to practice, 2nd edition, John Wiley	2012
8.	Bratton, J.; Gold, J., "Human Resource Management: Theory and Practice", 5 <sup>th</sup> Edition, Palgrave Macmillan	2012
9.	Mondy, W. "Human Resource Management", 10th Edition, Pearson	2009

# NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-641 Course Title: Human Resource Analytics
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To discuss use of predictive analytical techniques in the hiring and effective management of workforce management, and illustrates design and implementation of strategies in a competitive business.

S.No.	Contents	Contact
		hours
1.	Introduction to human resource analytics: HR Decision making and HR	3
	Analytics, Concepts, definition, importance, and benefits of HR analytics.	
	Steps to implement HR Analytics. Critical HR decision making and HR	
	Analytics, HR analytics and changing role of HR managers	2
2.	Aligning human resources to business through HR Analytics: Alignment	3
	of HR Analytics with Business Goals and Strategies, Application of HR and	
2	Predictive Analytics, HR Analytics Frameworks and Models	3
3.	HR Business process and HR Analytics : Statistics and Statistical	3
	Modelling for HR Research and HR Decision making, HR Research tools and	
	Techniques, Data analysis for Human Resources, Parametric and Non- parametric Tests	
4.	HR Analytics for Decision making: HR Metrics, Recruitments Metrics,	3
4.	Metrics for Training and Development Functions, HR Scorecard, HR	3
	Dashboards, HR Analytics as a Better tool for HR Decisions	
5.	<b>HR Value propositions with HR Analytics</b> : Value proposition and HR	3
5.	Decisions, HR Analytics and HR Value Propositions, HR Optimisation	5
	through HR Analytics, HR Forecasting, HR Plan and HR Analytics,	
	Predictive HR Analytics	
6.	<b>HR Analytics and Data</b> : HR Data and Data Quality, HR Data collection,	3
0.	Big Data for Human Resources, Transforming HR Data into Information,	5
	Process of Data Collection for HR Analytics, Data Collection for Effective	
	HR Measurement, HR Reporting	
7.	HR Analytics Predictive Modelling : Different phases of HR Analytics or	3
	HR Predictive Modelling, Examples of Predictive Analytics, Data and	-
	information for HR Predictive Analysis, Predictive Analytics Tools and	
	Techniques, Scenario modelling and business cases, Predictive modelling	
	scenarios, Modeling the potential impact of a training program	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Martin R. Edwards and Kirsten Edwards, Predictive HR Analytics: Mastering the HR Metric. Kogan Page.	2016
2.	Dipak Kumar Bhattacharya, HR Analytics: Understanding Theories and Applications, Sage Publications.	2017
3.	Jack Fitz-enz, The New HR Analytics: Predicting Economic Value of Your Company's Human Capital Investments	2010
4.	Jean Paul Isson and Jesse S. Harriott, People Analytics in the Era of Big Data: Changing the Way You Attract, Acquire, Develop, and Retain Talent. Wiley.	2016
5.	HBR Guide to Data Analytics Basics for Managers: Understand the numbers, Make better decisions, Present and persuade, Harvard Business Review Press	2018

## NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-642 Course Title: Training of Trainers
- **2.** Contact Hours: L: 3 **T**: 0 **P**: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To impart knowledge related to self-management skills and characteristics that predict professional and personal success.

#### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Introduction to Training	2
2.	Training need assessment and its method	2
3.	Training design and types of training	2
4.	Design thinking and role of technology in training	2
5.	Introduction to training methods and its selection process	2
6.	Understanding training groups and its dynamics and training method – Case study	2
7.	Training method – Business game	2
8.	Training method – Role Play	2
9.	Training method – Behavioral Modeling	2
10.	Training method – decision making exercises, Introduction to group training methods – Brainstorming, group discussion and panel discussion, Research approach in training and training evaluation	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Pareek, U. Understanding organizational Behaviour, 3rd	2012
	Editions, Oxford University Press, USA	
2.	Steven A. Beebe, Timothy P. Mottet and K. David Roach,	2018
	Training and Development: Enhancing Communication and	
	Leadership Skills, Texas State University - San Marcos.	
3.	Julie Dirksen, Design For How People Learn (Voices That	2011
	Matter)	
4.	Raymond Andrew Noe, Employee Training & Development	2012

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-643 Course Title: Leadership and Team Management
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To provide a framework to understand the importance of Leadership and team management, interpersonal processes, group dynamics.

#### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Leadership Foundations: Meaning of Leadership, Leadership development,	2
	Skills for developing oneself as a leader, Leadership styles: Charismatic and	
	Transformational styles	
2.	Matching leadership to the situation: The Situation, Contingency theories of	2
	Leadership	
3.	Leadership and Change, The dark side of Leadership, Skills for optimizing	2
	leadership as situations change	
4.	Leadership and culture: Creating culture by leaders, Leadership in the Indian	2
	context, Leadership in Eastern and Western culture	
5.	Leadership under a crisis situation: Crisis behavior, Leadership judgment and	2
	decision under crisis, Leadership Skills in crisis and uncertainty	
6.	Teams: conceptual foundations, Team effectiveness	2
7.	Leading teams: Enhancing teamwork within a group: The leader's role in	2
	team-based organizations.	
8.	Virtual teams, managing multicultural teams, Building great teams.	2
9.	Understanding team processes and Team Coaching, Team decision making	2
	and conflict management	
10.	Leader actions that foster teamwork, Offsite training and team development,	3
	the leader-member exchange model, and teamwork	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Hughes, R.L., Ginnett, R.C., & Curphy, G.J., Leadership:	2019
	Enhancing the lessons of experience, 9 <sup>th</sup> Edition, McGraw Hill	
	Education	
2.	Northouse, P., Leadership: Theory and Practice. Sage	2019
3.	Bass, B., The Bass Handbook of Leadership: Theory, research,	2009
	and managerial applications. Free Press	
4.	Harvard Business Essentials, Creating teams with an edge,	2004
	Harvard Business School Press	
5.	Uday Kumar Haldar, Leadership and Team Building, Oxford	2010
	University Press	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-644 Course Title: Talent Acquisition and Management
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- 5. Credits: 1.5
   6. Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To familiarize the Students with Talent Management and help them understand the Acquisition, Retention, Development and Compensation practices also enhances understanding of the Talent Management Practices in India, USA, Europe and Asia.

S.No.	Contents	Contact
		hours
1.	Introduction to Talent Acquisition Attracting Talent Easy to approach Top	2
	Talent ,Creating Work place to attract Talent	
2.	Six Principles of Talent Management, Role satisfaction and psychological	2
	empowerment as determinants of Talent Management	
3.	Nurturing Talent Leadership for Talent Management, Engaging Talent	2
	Preparing Talent through on Boarding World-class Talent Management	
	Practices	
4.	The Secrets of Leadership and Talent Management- Talent Management	2
	Leadership Differentiating different Leadership Styles, Leadership for Talent	
	Employees	
5.	Dynamic Approach to Talent Management, Talent Analytics Understanding	2
	and Motivation, Talent Success Drivers	
6.	Trends and Comparison of Hr Practices Across Asia, Europe and USA,	2
	Growing Talent Adapting Changing Workforce, Talent Bidding	
7.	Talent Engagement, Talent Mobility, Big Data _Talent Analytics,	2
	Embedding and sustaining Talent Power.	
8.	Employment to Consultation, Impact of Globalization on Talent	2
	Management	
9.	Talent Enhancement & Drivers of Success, Model of Integrated Talent	2
	Management	
10.	Building sustainable talent through Talent Management, Feeling and	3
	Sentiments analysis, Talent powered Organization, Critical Issues in Talent	
	Management Organizational Culture-Sustainable Talent and Talent	
	Retention	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1		•
1.	Lance A. Berger & Dorothy R. Berger, Talent Management	2018
	Handbook (Third Edition), McGraw-Hill Education, USA.	
2.	Terry Bickham, (Editor), Talent Management Handbook, Viva	2017
	Books Private Limited, India.	
3.	Robert F. Silzer& Ben Dowell (Editors), Strategy Driven	2010
	Talent Management: A Leadership Imperative, Jossey-Bass	
	Inprint, USA.	
4.	Peter Cheese, Robert J Thomas and Elizabeth Craig, The	2008
	Talent Powered Organization: Strategies for Globalization,	
	Talent Management and High Performance, British Library	
	Cataloguing-in-Publication Data, USA.	

# NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-645 Course Title: Future of Work
- 2. **Contact Hours:** L: 3 **T:** 0 **P:** 0
- **3.** Examination Duration (Hrs.): **Theory:** 2 Practical: 0
- 4. **Relative Weightage:** CWS: 50 **PRS:** 0 **MTE:** 0 **ETE: 50 PRE:** 0
- 5. Credits: 1.5 6. Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **Objective:** To develop skills that are future ready. 9.
- 10. Details of the Course

S.No.	Contents	Contact hours
1.	Future of Work – introduction and objectives, Future of work and technological changes, dimensions shaping Future of work, Drivers and challenges; Disruption in work, Artificial and Augmented Intelligence, creation of new jobs	3
2.	Labour model for Future of work – development and future of gig and contractor economy; Gig workforce, regulatory issues around the gig workforce; business responsibility towards employees, employee-centric organizations; workforce ecosystems; flexible work solutions	3
3.	Skills and education in the future workplace – Automation of the workforce; human and automation, transitions in skills in the age of automation; AI and robotics in work; workforce transformation – concept and model; Education for workplace readiness	3
4.	Remote working – concept and evolution; telework, telecommuting, remote work, and virtual work; current trends in remote working, challenges; digital employee well-being, work-life challenges of remote working; Future of remote work	3
5.	Virtual workspace – traditional and virtual work, challenges; transitioning to a virtual workspace; managing a virtual workspace; Virtual teams and collaboration; communication in virtual teams; management and challenges in virtual teams; culture values of a virtual workforce; Diversity and inclusion issues in a virtual space	3
6.	Designing the future of work – cultural transformation, role and challenges; digital transformation, employee experience and its evolution, employee engagement, trends reshaping employee experience; people management, the role of employers.	3
7.	Developing economies and future of work – developing vs developed economies shaping future of work; technological changes and developing economy, disruption and labour factors, the role of government; quality of jobs	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Fred Oswald, Tara S. Behrend, Lori Foster, Workforce	2019
	Readiness and the Future of Work. Taylor & Francis. 1st	
	Edition.	
2.	Adrian Wilkinson, Michael Barry, The Future of Work and	2020
	Employment. Edward Elgar Publishing. 1 <sup>st</sup> Edition.	
3.	Jacob Morgan, The Future of Work: Attract New Talent, Build	2014
	Better Leaders, and Create a Competitive	
	Organization". Wiley. 1 <sup>st</sup> Edition.	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-646 Course Title: Managing Workforce Diversity
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To recognize importance of skills required for effective management of workplace diversity.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction to workplace diversity, Learning: Individual Perspectives of	3
	Diversity Prejudice, stereotypes, discrimination Privilege Differences and	
	conflict Organizational diversity	
2.	Primary Dimensions of Diversity: Race, ethnicity, age, gender, sexual	3
	orientation, physical and mental challenges, Differences between primary	
	and secondary dimensions of diversity, Group memberships-social identity	
	Organizational adaptation-culture, practice, policies Effective	
	communication among cultures	
3.	Secondary Dimensions of Diversity Social class, religion,	3
	appearance/weight, language/communication, military service Impact on	
	work and personal experiences Ramifications of social class privileges	
4.	Ethical, legal, media and marketing issues in managing diversity Ethical	3
	and legal implications in managing diversity	
5.	Business opportunities and diverse consumers Media effectiveness in	3
	reaching diverse consumers	
6.	Organizational Strategies for Managing Workforce Diversity, Workplace	3
	inclusion strategies through corporate leadership	
7.	Diversity training, mentoring, employee resource groups, supplier diversity	3
	programs, corporate social responsibility initiatives Flexible work programs	
	Workplace bullying Inclusion and benefits	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Carol P. Harvey and M. June Allard, Understanding and	2014
	Managing Diversity: Readings, Cases, and Exercises, Pearson	
	International Edition	
2.	Managing Diversity, Harvard Business School Publishing	2001
	Corporation, Boston.	
3.	Gardenswartz, Lee, Rowe, Anita, Digh, Patricia and Bennett,	2005
	Martin, The Global Diversity Desk Reference: Managing an	
	International Workforce, Wiley.	
4.	Loden, Marilyn, Implementing Diversity, McGraw-Hill.	1996

5.	Stockdale, Margaret S. and Crosby Faye J. ed., The	2009
	Psychology and Management of Workplace Diversity.	
	Blackwell Publishing	
6.	Mor Barak, Michalle E, Managing Diversity: Toward a	2005
	Globally Inclusive Workplace, Sage Publications.	
7.	Sparke, Matthew Malden, introducing globalization: ties,	2013
	tensions, and uneven integration .: Wiley-Blackwell.	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-611 Course Title: Knowledge Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To give perspectives on utilization of knowledge in contemporary organizations to have a sustainable competitive advantage.

S.No.	Contents	Contact hours
1.	Introduction to Knowledge Economy: Context and relevance of KM in the	3
	changing landscape of business, Emergence of Knowledge economy,	
	Demanding knowledge driven strategic approach	
2.	Data, Information, and knowledge: Data, information, Knowledge, Business	3
	intelligence, Types of knowledge, tacit and explicit knowledge, Knowledge:	
	a driver for creativity and innovation, Knowledge a strategic resource,	
2	Business benefits of knowledge	3
3.	Knowledge management: Knowledge Management, Knowledge Development Cycle, Thematic analysis of knowledge Management,	3
	Knowledge transformation and its dynamics, SECI model, Business Cases on	
	Knowledge Management	
4.	Knowledge management design and architecture: Generic model of	3
	knowledge management system, Challenges in developing knowledge	
	management system, KM system design and architecture, Knowledge	
	Construction architecture, Implementation of KMS	
5.	Business strategy and (Identification, validation, creation, and acquisition of	3
	knowledge: KM business strategy and knowledge link, A knowledge strategy	
	framework, Validation of knowledge through knowledge models, Creation	
	and acquisition of knowledge, Knowledge Capturing tacit knowledge:	
6.	Knowledge capture techniques	2
0.	Knowledge codification and system implementation, Knowledge transfer and knowledge sharing	2
7.	Management of human capital: Organizational Learning and Learning	2
<i>.</i>	Organization, Concept of building a learning organization; Five core	<u> </u>
	disciplines of a learning organization, Organization learning, Human	
	resource management for KM and paradigm shift in HRM functions	
8.	Case illustrations of knowledge management: KM in Indian organizations	2
	and MNC, sharing tacit knowledge, case studies of companies	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Waman S Jawadekar, knowledge Management: Text & Cases, Tata Mc Grawhill	2011
2.	Elais M Awad and Hassan M Ghaziri., Knowledge Management, 2 <sup>nd</sup> Edition, PHI Learning	2013
3.	Shelda Debowski, Knowledge Management, Wiley Publications	2007
4.	Barnes, S., "Knowledge Management Systems: Theory & Practice", Thomson Learning Press	2002
5.	Maier, R., "Knowledge Management System", Springer	2002
6.	Tiwana, A., "Knowledge Management Tool Kit", Pearson Education	2002
7.	Thomas H. Davenport, Laurence Prusak, Working Knowledge. Harvard Business School Press.	2000
8.	Sultan Kermally, Effective Knowledge Management; A Best Practice Blueprint, John Wiley & Sons Inc	2002
9.	Peter F. Drucker, David Garvin, Leonard Dorothy, Straus Susan, John Seely Brown Harvard Business Review on Knowledge Management.	1998

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-671 Course Title: Advanced Consumer Behavior Analysis
- **2. Contact Hours:** L: 3 **T:** 0 **P:** 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To develop an understanding of the consumer decision making process, various factors influencing the decision-making process and the strategic applications of understanding consumer behavior in marketing functions of firms.

S.No.	Contents	Contact
1.	<b>Consumer behavior introduction:</b> Nature, scope, understanding core marketing concepts - market segmentation, targeting, and positioning, customer value, satisfaction, and retention. Consumer Decision Making Process	hours 4
2.	<b>Individual determinants of consumer behavior –consumer motivation,</b> <b>personality, and perception:</b> The dynamics of motivation, theories of needs, personality and self-perception, personality traits, personality development, personality theories and application, sensory information, absolute and differential thresholds, perceptual selection, organization, and interpretation.	4
3.	Individual determinants of consumer behavior – consumer learning, attitude formation and change: Elements of consumer learning-motives, cues, reinforcement; classical conditioning, instrumental conditioning, observational learning, cognitive learning; information processing; outcomes and measures of consumer learning -recognition and recall, brand loyalty and brand equity; characteristics and functions of attitude ,attitude theories and models.	4
4.	<b>Environmental influences on consumer behavior:</b> Role of culture in understanding consumer behavior, cultural values, subcultures, ethnicity, cross-cultural consumer behavior, social class, process of social stratification, family and household influences, consumer socialization, family life cycle, family decision- making and role of members.	5
5.	<b>Influencing Consumer Behavior:</b> Persuading consumers- elements of communication, channels of communication; shaping consumers' opinion-reference groups and communities, endorsers, spokesperson, opinion leaders, and word-of-mouth.	4
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Blackwell, R.D., Miniard, P.W. and Engel, J. F, Rahman, Z., "Consumer Behavior", I0 <sup>th</sup> Ed., Cengage India	2017
2.	Schiffman, L. and Kanuk, L., "Consumer Behavior", 12 ed.,	2018
	Prentice Hall	
3.	Jain, V., and Seth, J, "Consumer Behaviour: A Digital	2019
	Native", Pearson	
4.	Solomon, M.R., "ConsumerBehavior", 13 Ed., Prentice Hall	2020

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-672 Course Title: Brand Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To impart knowledge on complexities of a company's market offer and Product and Brand Management.

#### 10. Details of the Course

S.No.	Contents	Contact
		hours 3
1.	Concept and role of brand management in current dynamic environment, value creation through brand management, branding challenges and opportunities	
2.	Customer brand equity and positioning, brand resonance and brand value chain	3
3.	Brand Image, brand identity and brand valuation and conceptual implications of the approaches to brand loyalty	4
4.	Understanding brand life cycle and brand marketing, designing marketing programs to build brand equity covering aspects of integrated marketing communications	4
5.	Designing and implementing brand architecture strategies, new products and brand extensions, managing brands over time, geographic boundaries and market segments	4
6.	Developing a brand equity measurement and management system, brand equity source measurement and measuring outcomes	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Keller, K.L. and Swaminathan V., "Strategic Brand	2019
	Management: Building, Measuring, and Managing Brand	
	Equity", 5 <sup>th</sup> Ed., Prentice Hall	
2.	Kapferer, J., "The New Strategic Brand Management:	2012
	Advanced Insights and Strategic Thinking", 5th Ed., Kogan	
	Page	
3.	Trott, P., "Innovation Management and New Product	2008
	Development", 4 <sup>th</sup> Ed., Prentice Hall	
4.	Donald, R.L. and Russell S.W., "Product Management", 3rd	2002
	Ed., Tata McGraw Hill	
5.	Reis, A. and Trout, J., "Positioning: The Battle for Your	2001
	Mind", McGraw Hill Education	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-673 Course Title: Integrated Marketing Communications
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil8. Subject Area: PEC
- 9. Objective: To impart knowledge on integrated role of marketing communications.

S.No.	Contents	Contact hours
1.	Introduction to IMC, role in the marketing process and its various components, emerging trends in IMC. Fundamental IMC planning background and decisions, determination of promotion mix and its relevance and interrelationship in IMC process	3
2.	Communication process and consumer behaviour, role of persuasion in IMC. Objective setting and understanding budgeting decisions. Role of advertising agencies and other media organizations in defining and redefining integrated marketing communication	
3.	Developing IMC program; planning, development, implementation and evaluation of creative strategy, understanding media planning and strategy	
4.	Advertising media- traditional and modern, function and integration with support media	
5.	Direct Marketing/database marketing, role, functions, application and comparative advantages. Sales promotion- scope, role, growth and techniques, integration of sales promotion with other promotion elements. Personal selling- role in IMC, advantages, steps, selling activities and types of selling jobs	
6.	Public relations, word-of-mouth influence and sponsorships. The Internet: Mobile advertising, digital and social media.	3
7.	Measurement of effectiveness of IMC program, evaluation of social ethical and economical aspects of promotional strategies	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Belch, G.E. and Belch, M.A., "Advertising and Promotion: An	2017
	Integrated Marketing Communications Perspective, 11 <sup>th</sup> Ed.,	
	McGraw-Hill Higher Education	
2.	Terence, A.S. and Andrews, J.A., "Advertising, Promotion and	2017
	other aspects of Integrated Marketing Communications", 10 <sup>th</sup>	
	Ed., Cengage Learning	
3.	Clow, K.E. and Baack, D., "Integrated Advertising, Promotion	2017
	and Marketing Communications", 8th Ed., Pearson	
4.	Shah, K., "Advertising and Integrated Marketing	2017
	Communications", McGraw Hill Education	
5.	Wind, Y. and Hays, C.F., "Beyond Advertising: Creating	2016
	Value through all Customer Touchpoints", Wiley	
6.	Berger, J., "Contagious: Why Things Catch On", Simon &	2013
	Schuster	
7.	Cialdini, R.B., "Influence: The Psychology of Persuasion",	2009
	HarperCollins	
8.	Heath C. and Heath D., "Made to Stick: Why Some Ideas	2007
	Survive and Others Die", Random House	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-674 Course Title: Sales and Distribution Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil8. Subject Area: PEC
- 9. Objective: To impart knowledge of sales and distribution channel management in coherence with complete supply chain management system.

S.No.	Contents	Contact hours
1.	Introduction: Meaning, Evolution, Objectives and Scope of Sales	2
	Management, Types and Role of Sales Managers, Emerging Trends in Sales Management	
2.	Personal Selling, Sales Management and Salesmanship: Buyer-Seller	3
	Dyads, Theories of Selling, Phases in the Selling Process	
3.	Personal Selling Objectives: Types of Personal Selling Objectives,	2
	Analyzing Market Potential, Sales Forecasting Methods	
4.	Sales Related Marketing Policies and Strategy Formulation: Product,	2
	Distribution and Price Related Marketing Polices, Formulating a Personal	
	Selling Strategy	
5.	Sales Organization: Purpose, Types of Sales Organizations Structure,	3
	Setting up a Sales Organization, Interdepartmental Coordination	
6.	Sales Force Management: Recruitment and Selection, Training, Motivation	3
	and Compensation	
7.	Controlling Sales Effort: Evaluation and Control, Targets and Sales	2
	Management, Territory Management	
8.	Channel Management: Channel functions, Managing Channel Partners,	4
	Conflict Management, Logistics and Supply Chain Management	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Still, R. Cundiff, E.F., Govoni, A.P.N. and Puri, S., "Sales and	2017
	Distribution Management, 6 <sup>th</sup> Edition, Pearson	
2.	Havaldar, K.K. and Cavale, V.M., "Sales and Distribution	2017
	Management - Text and Cases" 3rd Edition, McGraw Hill India	
3.	Nag, A., "Sales and Distribution Management", 1st Ed., McGraw	2013
	Hill India.	
4.	Jobber, D. and Lancaster, G., "Selling and Sales Management", 9th	2012
	Ed., Pearson.	
5.	Tanner, J., Honeycutt, E.D., and Erffmeyer, R.C., "Sales	2008
	Management.	
6.	Venugopal Pingali, Sales and Distribution Management: An	2021
	Integrative Approach, Sage Publishing	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- Subject Code: BMN-675 **Course Title:** Pricing Strategies 1. 2. **Contact Hours:** L: 3 **T:** 0 **P:** 0 3. Examination Duration (Hrs.): **Theory:** 2 **Practical:** 0 4. **Relative Weightage:** CWS: 50 **PRS:** 0 **MTE:** 0 **ETE: 50 PRE:** 0 5. Credits: 1.5 6. Term: IV/V/VI/VII 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To impart knowledge of importance of pricing strategies and its effect on the overall sales and profitability of a company.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction: Importance of Pricing, The role of pricing in value creation,	3
	Conventional approaches – and their limitations, Course overview and	
	administrative issues, Break-even analysis, Economic Value and Pricing	
	Economic value to the consumer, Willingness-to-Pay.	
2.	Pricing to Maximize Profits: Primarily review topics from the core with an	3
	emphasis on their relationship to pricing, Pricing for profit-maximization,	
	The Prospect Theory of Daniel Kahneman; St. Petersburg's paradox and the	
	related issues, The Role of Costs.	
3.	Measuring Willingness to Pay: Measuring price sensitivity using surveys,	3
	Brief discussion of designing surveys for pricing research, Methods to elicit	
	willingness-to-pay, Conjoint analysis to estimate elasticity.	
4.	Pricing a new product/Multi Product pricing: Using regression to	3
	estimate elasticity, Pricing multiple products, Complements and substitutes,	
	Cross-price elasticity.	
5.	Segmentation & Product Line Pricing: Benefits of segmented pricing,	3
	Techniques for segmented pricing	
6.	Pricing over Time: Role of promotions to achieve price objectives, Hi-Lo	3
	vs. EDLP pricing strategy, Skimming and penetration pricing,	
	Experimentation, and mark-downs.	
7.	Competition and Pricing: Incorporating competition into pricing strategy,	3
	Effective responses to competitive pricing moves, Managing price wars,	
	Pricing and the Law, Legal constraints on pricing, Antitrust laws, Discussion	
of recent merger and antitrust cases		
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Vohra and Krishnamurthy, Principles of Pricing, Cambridge	2012
	Publications	
2.	Tim J Smith, Pricing Strategy: Setting Price Levels, Managing	2015
	Price Discounts and Establishing Price Structures, Cengage	
	Learning	
3.	Hermann Simon, Confessions of the Pricing Man: How Price	2015
	Affects Everything, Springer	
#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-676 Course Title: Business to Business Marketing
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To impart knowledge of B2B marketing with knowledge of the realities of industrial market place, cross-functional decision-making processes, supply chain management, e-commerce and related areas.

#### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Introduction to B2B Marketing: Introduction, B2B versus B2C,	3
	Understanding the B2B market environment	
2.	Buying Behaviour: Growth, Trends, Competition and Organizational	3
	Buying Behavior	
3.	Product Strategy in B2B Markets: Segmentation, Position & Targeting	3
	Business to Business Branding	
4.	Pricing: Pricing Strategy in B2B Markets	3
5.	Channel Management: Marketing Channels, Supply Chain Management,	3
	Developing and Managing Channels of Distribution	
6.	Communication Strategy: Communication Strategy in B2B Markets,	3
	Managing the Personal Selling Function	
7.	Sales Force Management: Sales Force Design and Management in B2B	3
	Markets	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Sharma Dheeraj, Michael D. Hutt, Thomas W. Speh, B2B	2015
	Marketing: A South-Asian Perspective, Cengage, 8th edition	
2.	James C. Anderson, Business Market Management (B2B),	2010
	Pearson Publications.	
3.	K.K. Havaldar, Business Marketing: Text and Cases, McGraw	2017
	Hill Publications 4 <sup>th</sup> edition	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-677 Course Title: Services Marketing
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge of marketing of services.

### 10. Details of the Course

S.No.	Contents	Contact
		hours
1.	<b>Introduction:</b> Characteristics of services compared to goods, services marketing mix.	2
2.	<b>Focusing on the customer:</b> Consumer behavior in services; consumer experience, post purchase evaluation, customer expectations, factors influencing customer expectations, customer perceptions, service quality, service encounters.	4
3.	<b>Customer requirement analysis:</b> Market research for services, customer relationship management and service recovery.	3
4.	<b>Service design and standards:</b> Service development, design and standards, physical evidence and servicescape.	3
5.	<b>Delivering services:</b> Employees' and customers' roles in service delivery, delivering services through intermediaries and electronic channels, managing demand and capacity.	3
6.	<b>Managing service promises:</b> Managing integrated marketing communications and pricing services.	3
7.	<b>Economic and financial impact of service:</b> Customer retention, balanced performance scorecard, strategy maps.	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Zeithaml, VA., Bitner, M.J., "Services Marketing - Integrating	2019
	Customer Focus Across the Firm", 8th Ed., McGraw-Hill	
	Higher Education	
2.	Wirtz, J., Lovelock, C.," Services Marketing People	2017
	Technology Strategy", 8 <sup>th</sup> ed, Pearson Education.	
3.	K. Douglas H, John E.G. B, "Services Marketing: Concepts,	2017
	Strategies and Cases, 6th Ed., Cengage India	

**PRE:** 0

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-679 Course Title: Retail Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge of retail management.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction to the World of Retailing: Meaning, Functions of Retailing,	2
	Economic Significance of Retailing, Retailing Management Decision Process,	_
	Traditional vs. Organized Retailing in India, Ethical aspects in Retailing	
2.	Retail Formats and the Marketing Environment: Key Retailing Formats,	3
	Understanding the Retail Environment, Overview of Private Label Brands and National Brands	
3.	Understanding the Retailing Consumer: Factors influencing Retail Shoppers,	2
	Consumer Decision Making Process, Understanding Multi-channel Shopping	
	Behaviour	
4.	Retail Marketing Strategies: Target Market and Retail Formats, Building a	3
	Sustainable Competitive Advantage, Strategic Retail Planning Process,	
	Overview of Financial Strategy	
5.	Store Location and Layout: Types of Retail Stores Location, Factors Affecting	2
	Retail Location Decisions, Location Based Retail Strategies	
6.	Retail Merchandising: Understanding Merchandising Management,	3
	Merchandising Management Process and Merchandise Buying	
7.	Store Design, Layout and Visual Merchandising: Concept, Principle and	2
	Elements of Store Design, Visual Merchandising	
8.	Retail Pricing: Establishing Pricing Policies, Factors Influencing Pricing and	2
	Popular Pricing Strategies	
9.	Retail Distribution: Role of Distribution in Retailing, Role of Technology in	2
	Retailing, Factors Influencing the Retail Supply Chain, E-tailing	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Robert F. Lusch, James R. Carver, Patrick M. Dunne, Retailing,	2015
	Cengage, 8th edition	
2.	Barry Berman, Joel R Evans, Patrali Chatterjee, Ritu Srivastava,	2018
	Retail Management: A Strategic Approach, Pearson, 13th	
	edition	
3.	Michael Levy, Barton A. Weitz, Ajay Pandit , Retailing	2017
	Management, McGraw Hill, 8th edition	
4.	J.K. Nayak & Prakash Dash, Retail Management, Cengage	2016
5.	Swapna Pradhan, Retail Management: Text and Cases, McGraw	2020
	Hill, Edition 6e	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-680 Course Title: Rural Marketing
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To provide knowledge of rural markets, consumers, rural products, and services and to promote entrepreneurship and help in the development of new startup's in the field of rural marketing.

### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction to nural markating, Dural Markating Concept Nature good	<u>100178</u>
1.	<b>Introduction to rural marketing:</b> Rural Marketing Concept, Nature, scope and significance of Rural Marketing, factors contributing to growth of rural	4
	markets, Rural Market vs. Urban Market, e-rural marketing, rural economic	
	structure, rural infrastructure, rural consumer behavior, buying decision	
	making of rural consumers.	
2.	<b>Product, pricing, and promotional strategy for rural consumers:</b> Rural	5
2.	marketing research, 4A's of rural marketing, Segmenting and targeting rural	5
	markets, product strategy for rural markets, Pricing in rural markets,	
	advertising and promotion for the rural consumers, Rural Marketing	
	Information System.	
3.	Marketing of Agri-related products and services: Marketing of	4
	Agricultural Produce and Inputs, Regulated markets, Cooperative Marketing	
	& Processing Societies, Corporate Sector in Agri-Business: Cultivation,	
	Processing & Retailing, Rural Marketing of FMCGs, Durables & Financial	
	Services.	
4.	Channel management for rural markets: Channel dynamics and rural	3
	channel members, Distribution models in rural markets, communication	
	strategies for rural markets, Logistics Management - Problems encountered -	
	selection of appropriate channels - New approaches to reach out rural	
	markets, Distribution System in Rural Marketing, warehousing.	
5.	Incubation and Start-ups: Start-up Village Entrepreneurship Development	5
	Programme (SVEP), Skill development, Entrepreneurship, Innovations,	
	popular case studies of new startup's, agencies supporting and funding	
	startup's, AI and IoT based startups in rural marketing (Escorts, TCS), Digital	
	revolution, Special initiatives taken by government of India, Agriculture	
	Technology Incubation – Prospects of future functioning of start-ups in	
	Agriculture space.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Rural marketing by Pradeep Kashyap, 3 <sup>rd</sup> Edition, Pearson	2016
	Publication.	
2.	Rural marketing: challenges and opportunities by Dinesh	2017
	Kumar and Punam Gupta, Sage Publications.	
3.	Rural marketing: text and cases by Krishnamacharyulu, 2 <sup>nd</sup>	2010
	edition, Pearson Publication	
4.	Rural marketing concepts and practices by Balram Dogra and	2007
	Karminder Ghuman, McGraw Hill Publication.	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-623 Course Title: Global Marketing Management
- 2. Contact Hours:L: 3T: 0P: 03. Examination Duration (Hrs.):Theory: 2Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To acquaint the students with environmental procedural, institutional and decisional aspects of cross border marketing with an emphasis on the global nature of marketing.

#### **10. Details of the Course**

S.No.	Contents	Contact hours		
1.	Introduction to Global Marketing: Globalization Imperative,	3		
	Understanding the Global Consumer, Globalization of Markets, Evolution of			
	Global Marketing			
2.	Global Marketing Environment: Economic Environment, Country	4		
	Competitiveness, Trading Agreements, Financial Environment, Political and			
	Legal Environment, Law and Legal Requirements, Issues transcending			
	national boundaries			
3.	Developing Competitive Marketing Strategies: Global Market Research,			
	Segmentation, Targeting and Positioning in Global Markets, Regionalization			
	of Global Markets, Market Entry and Exit Strategies, Global Sourcing			
	Strategies and Value chain			
4.	Global Marketing Strategy Development 1: New Product Development in	4		
	Global Markets, Managing Products and Services Globally, Branding in			
	International Markets, International Pricing			
5.	Global Marketing Strategy Development 2: Global Distribution and	3		
	Logistics, Global Retailing and Communicating with Global Customers and			
	Media Decisions in International Markets, Export and Import Management			
6.	Managing Global Operations: Planning, Organizing and Control of Global	3		
	Marketing Operations, Using Technology for Global Marketing			
	Total	21		

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Kotabe, Masaaki and Helsen, Kristiaan, "Global Marketing	2021
	Management", 8 <sup>th</sup> ed, Wiley	
2.	Alon, I and Jaffe, E., "Global Marketing: Strategy, Practice,	2020
	and Cases", 3 <sup>rd</sup> Ed, Routledge	
3.	Beveridge, I, "Intercultural Marketing: Theory and Practice",	2020
	1st Ed Routledge	
4.	Keegan, W J, "Global Marketing", 9th ed, Pearson Education	2018

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-651 Course Title: Manufacturing Strategy
- **2.** Contact Hours: L: 3 **T**: 0 **P**: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To impart knowledge regarding use of manufacturing and operations activities for improving the competitiveness of the organization.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Strategic issues in manufacturing, Competing through manufacturing	2
2.	Developing an operations strategy: Principles and Concepts	4
3.	Concept of order winners and qualifiers: Basic characteristics and specific dimensions	4
4.	Developing an operations and manufacturing strategy: Methodology	3
5.	Process Choice – overview, business implications, hybrid processes, technology strategy	3
6.	Focus: Principles, concepts and methodology	3
7.	World Class Manufacturing – concepts and cases	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Hill T and Hill A, "Manufacturing Operations Strategy" 3rd	2009
	Edition, Palgrave Macmillan	
2.	Todd, J. "World Class Manufacturing", 2nd Ed, McGraw Hill	2008
3.	Schonberger R J, "World Class Manufacturing: The Lessons	2008
	of Simplicity Applied", 3 <sup>rd</sup> Ed. The Free Press	
4.	Slack N and Lewis M, "Operations Strategy", 2 <sup>nd</sup> Edition,	2009
	Pearson	
5.	Sahay B S, Saxena K B C and Kumar A, "World Class	2009
	Manufacturing- A Strategic Perspective" Macmillan	
6.	Skinner W., "Manufacturing in the Corporate Strategy", Wiley	1978

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-652
   Course Title: Service Operations Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge on various aspects of services operations management and provide exposure to tools and techniques to gain strategic advantage through service operations.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Understanding services economy, global trends in services sector, Rising service sector in India	2
2.	Understanding the challenges for operations managers, developing and using the service concept	3
3.	Understanding customers and relationships, managing customer expectations and perceptions, managing supply networks and supplier relationships	5
4.	Designing the customer experience and service process, measuring, controlling and managing operations and managing service resources	5
5.	Driving continuous improvement, learning from other operations- benchmarking, Service quality- Servqual	4
6.	Building a world class service organization	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Fitzsimmons J A and Fitzsimmons M J, "Service	2008
	Management: Operations, Strategy and Information	
	Technology", McGraw Hill	
2.	Johnston R., Clark G., and Shulver M., "Service Operations	2020
	Management", 4 <sup>th</sup> Ed., Pearson	
3.	Haksever C., Render B., Russel S.R. and Murdick R.G.,	2007
	"Service Management and Operations", 2 <sup>nd</sup> Ed, Prentice Hall	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-653 Course Title: Supply Chain Analytics
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge about using of different analytical models for supply chain decision making.

### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Different aspects of supply chain decision making and various tools for real time analysis	3
2.	Designing global supply chain networks	2
3.	Demand forecasting in a supply chain, role of IT in forecasting, Use of AI tools in forecasting for supply chain	5
4.	Sales and Operations planning, Use of different tools	4
5.	Managing economies of scale and uncertainties in a supply chain	5
6.	Optimal level of product availability	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Sunil Chopra, Peter Meindl, Supply Chain Management,	2019
	Pearson	
2.	D. Simchi-Levi, P. Kaminsky, E. Simchi-Levi, Ravi Shankar,	2017
	Designing and Managing the Supply Chain, Tata McGraw Hill	
3.	Shah Janat, Supply Chain Management, Pearson Education	2016

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-654 Course Title: Operations Analytics
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart knowledge of operations analytics for managers.

### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Foundations of descriptive analytics for operations, historical demand data to build forecasts for future demand, news vendor problem	2
2.	Evaluation and comparison of decisions when their impact is uncertain- simulation models, measurement of risk and reward	2
3.	Decision trees, Using Simulation with Decision Trees, Using Optimization together with Simulation	2
4.	Revenue management-Quantity-based: introduction, Single-resource capacity Control	2
5.	Revenue management-Quantity-based: network capacity control, overbooking	2
6.	Revenue management: price-based- dynamic pricing	2
7.	Revenue management: price-based- auctions	2
8.	Multi attribute decision making techniques: Analytic Network Process and Fuzzy Analytic Network Process, Simple Additive Weighting Method	4
9.	Multi attribute decision making techniques: TOPSIS and VIKOR, ELECTRE Method, Structural Models	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Nahmias, S., & Olsen, T. L., Production and operations	2015
	analysis. Waveland Press.	
2.	Talluri, K. T., Van Ryzin, G., & Van Ryzin, G. The theory and	2004
	practice of revenue management (Vol. 1). Boston: Kluwer	
	Academic Publishers.	
3.	Tzeng, G. H., & Huang, J. J. Multiple attribute decision	2011
	making methods and applications. CRC press.	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-655 Course Title: Essential AI for Managers
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To build foundation on essential AI for managers.
- **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Essential programming in python	5
2.	An overview of multi-armed bandits, contextual bandits, restless bandits,	6
	Algorithms such as UCB, greedy etc. Applications in dynamic pricing and	
	online advertisement.	
3.	Google search engine analytics, application of the PageRank algorithm,	3
	Analytics for kidney allocation, Layout design.	
4.	Fraud detection, reducing healthcare fraud, AI in asset management	3
5.	Introduction to Reinforcement Learning, Model free prediction, Q-learning	4
	in warehouse management	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Sugiyama, Masashi. Statistical reinforcement learning: modern machine learning approaches. CRC Press.	2015
2.	Sutton, Richard S., and Andrew G. Barto. Reinforcement learning: An introduction. MIT press.	2018
3.	Bertsimas, Dimitris, and Robert Michael Freund. Data, models, and decisions: The fundamentals of management science. South-Western Pub.	2010
4.	Bertsimas, Dimitris, K. O. Allison, and William R. Pulleyblank. The analytics edge. Charlestown, MA: Dynamic Ideas LLC.	2016
5.	OR Tools library by google developers	2020

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-656 Course Title: Advanced AI for Managers
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: The objective of this course is to introduce students advanced concepts in AI and analytics that are relevant to managers.

#### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	End to end regression project: predicting housing prices, area burned, bike	5
	demand in future. End to end classification projects.	
2.	Ensemble Learning - Hard Voting, Soft Voting, Criteria, Accuracy,	4
	Ensemble - Classification or Regression, CNNs - Why CNNs Shine Now	
	RNNs - Language Translation.	
3.	Challenges in Machine learning projects, time series data imputation,	4
	Principle component analysis, Advantages of dimensionality reduction, Pre-	
	trained neural network models.	
4.	Case of missing value, overfitting or underfitting, methods to avoid	4
	overfitting. Pre-trained neural network models	
5.	Unsupervised learning, Generalized AI and real life large projects,	4
	Increasing revenue with analytics, Recommendations worth a million, online	
	advertising.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Sugiyama, Masashi. Statistical reinforcement learning: modern machine learning approaches. CRC Press.	2015
2.	Bertsimas, Dimitris, and Robert Michael Freund. Data, models, and decisions: The fundamentals of management science. South-Western Pub.	2010
3.	Bertsimas, Dimitris, K. O. Allison, and William R. Pulleyblank. The analytics edge. Charlestown, MA: Dynamic Ideas LLC.	2016
4.	U Dinesh Kumar "Business Analytics – The Science of Data Driven Decision Making", Wiley,	2017
5.	Manaranjan Pradhan and U Dinesh Kumar, "Machine Learning Using Python", Wiley.	2019

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-657 Course Title: Game theory for strategic advantage
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To build foundation on strategic thinking applied to managerial situations.

### 10. Details of the Course

S.No.	Contents	Contact hours
1.	Key notions in Game theory: preferences, utilities, rationality. Classification	4
	of Games: extensive and strategic form games.	
2.	Dominant strategy equilibrium, Pure and mixed strategy Nash equilibrium.	4
3.	Bargaining, Dynamic Price Competition, Introduction to Repeated Interaction, Long-run Relationships	4
4.	Introduction to mechanism design, Social choice function, Incentive compatibility.	5
5.	Introduction to Auctions, online auctions, designing optimal auctions, Sponsored search auctions.	4
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Y. Narahari, Game theory and Mechanism Design, Vol. 4.	2014
	World Scientific	
2.	Dixit, Avinash, Susan Skeath, and David Reiley. Games of	2015
	Strategy. 4th ed. W. W. Norton & Company.	
3.	Nisan, Noam, Tim Roughgarden, Eva Tardos, and Vijay V.	2010
	Vazirani. "Algorithmic Game Theory." Cambridge University	
	Press.	
4.	José Luis Ferreira, Game Theory: An Applied Introduction, 1st	2020
	edition International Higher Education.	
5.	M. Osborne, An Introduction to Game Theory, Oxford Univ.	2003
	Press	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-658 Course Title: Quality Management
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To provide an introduction to quality management and the basic methods to implement it.

### 10. Details of the Course

S.No.	Contents	Contact
1	Oralita International in the Madem Desires Environments The	hours 3
1.	Quality Improvement in the Modern Business Environment: The	3
	Meaning of Quality and Quality Improvement, Brief History of Quality and Quality Improvement, Statistical Methods of Quality Control and	
	Improvement, Other Aspects of Quality Control and Improvement, Six	
	Sigma, DMAIC	
2.	Modeling Process Quality: Describing Variations, Important Discrete	3
	Distributions, Important Continuous Distributions, Some Useful	
	Approximations	
3.	Inferences about Process Quality : Statistics and Sampling Distributions,	2
	Point Estimations of Process Parameters, Statistical Inference for a Single	
	Sample, Statistical Inference for Two Samples, ANOVA	
4.	Methods and Philosophy of Statistical Process Control (SPC):	3
	Introduction, Chance and Assignable Cause of Quality Variation, Statistical	
	Basis of the Control Chart, The Rest of the "Magnificent Seven",	
	Implementing SPC, Application of SPC, Non-manufacturing application of SPC	
5.	<b>Control charts for variables and attributes:</b> Control charts for x and R, x	3
5.	and s, fraction non-conforming, non-conformities	5
6.	Process and Measurement System Capability Analysis: Introduction,	4
	Process Capability Analysis Using a Histogram or a Probability Plot, Process	
	Capability Ratios, Process Capability Analysis Using a Control Chart,	
	Process Capability Analysis Using Designed Experiments, Gauge and	
	Measurement System Capability Studies, Setting Specification Limits on	
	Discrete Components, Estimating the Natural Tolerance Limits of a Process	
7.	Cumulative Sum and Exponentially Weighted Moving Average Control	3
	Charts: The Cumulative Sum Control Charts, The Exponentially Weighted	
	Moving Average Control Charts, The Moving Average Control Charts	21
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Douglas C. Montgomery," Introduction to Statistical Quality	2012
	Control" Wiley; 7 <sup>th</sup> edition	
2.	Dale H. Besterfield, C.B. Michna, G. H. Besterfield, M.B.	2015
	Sacre, "Total Quality Management", Pearson Prentice Hall, 4 <sup>th</sup>	
	Edition	
3.	Juran J. M. and Gryna, Jr. F.M., "Quality Planning and	2005
	Analysis ", Tata McGraw Hill, 5 <sup>th</sup> Edition	
4.	Ronald G Day, "Quality Function Deployment", Tata McGraw	1997
	Hill,1 <sup>st</sup> edition	
5.	Howard Gitlow, Alan Oppenheim, Rosa Oppenheim, David	2017
	Levine, "Quality Management", Tata McGraw Hill, 3 <sup>rd</sup> Edition	
6.	I. Marash ,Marilyn Block, "Integrating ISO 14001 into a	2002
	Quality Management System", Tata Mc Graw Hill, 1st Edition	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-660 Course Title: Advanced Quality Management
- **2. Contact Hours:** L: 3 **T:** 0 **P:** 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To survey advanced techniques in quality management and methods to implement it.
- 10. Details of the Course

S.No.	Contents	Contact
		hours
1.	<b>Univariate Statistical Process Monitoring and Control Techniques :</b> SPC for Short Production Runs, Modified and Acceptance Control Charts, Control Charts for Multi-Stream Processes, SPC with Auto correlated Process Data, Adaptive Sampling Procedures, Economic Design of Control Charts, Overview Other Procedure	3
2.	<b>Multivariate Process Monitoring and Control:</b> The Multivariate Quality Control Problem, Description of Multivariate Data, The Hoteling T <sup>2</sup> Control Chart, The Multivariate EWMA control Chart, Regression Adjustment, Control Charts for Monitoring Variability, Latent Structure Methods.	3
3.	<b>Engineering Process Control (EPC) and SPC:</b> Process Monitoring and Process Regulation, Process Control by Feedback Adjustment, Combining SPC and EPC	3
4.	<b>Factorial and Fractional Experiments for Process Design and Improvement:</b> Experimental Design, Example of Experimental Design in Process Improvement, Guidelines for Designing Experiments, Factorial Experiments, The 2 <sup>k</sup> Factorial Design, Fractional Replication of 2 <sup>k</sup> Design	3
5.	<b>Process Optimization with Designed Experiment:</b> Response Surface Methods and Design, Process Robustness Studies, Evolutionary Operation	3
6.	Lot-by-Lot Acceptance Sampling for Attributes: The Acceptance Sampling Problems, Single-Sampling Plans for Attributes, Double, Multiple and Sequential Sampling, Military Standard 105E (ANSI/ASQCZ1.4, ISO2859), The Dodge-Roming Sampling Plans	3
7.	<b>Other Acceptance Sampling Techniques:</b> Acceptance Sampling by Variables, Designing a Variables Sampling Plan With a Specified OC Curve, IL STD 414 (ANSI/ASQCZ1.9), Other Variables Sampling Procedure, Chain Sampling, Continuous Sampling, Skip-Lot Sampling Plans	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Douglas C. Montgomery," Statistical Quality Control" Wiley; 7 <sup>th</sup> edition	2012
2.	Dale H. Besterfield, C.B. Michna, G. H. Besterfield, M.B.	2015
	Sacre, "Total Quality Management", Pearson Prentice Hall, 4 <sup>th</sup> Edition	
3.	Juran J. M. and Gryna, Jr. F.M., "Quality Planning and Analysis", Tata McGraw Hill, 5 <sup>th</sup> Edition	2005
4.	Ronald G Day, "Quality Function Deployment", Tata McGraw Hill, 1 <sup>st</sup> edition	1997
5.	Howard Gitlow, Alan Oppenheim, Rosa Oppenheim, David Levine, "Quality Management", Tata McGraw Hill, 3 <sup>rd</sup> Edition	2017
6.	I. Marash ,Marilyn Block, "Integrating ISO 14001 into a Quality Management System", Tata Mc Graw Hill, 1 <sup>st</sup> Edition	2002

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-669 Course Title: Case studies in application of decision models
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

**5.** Credits: 1.5 **6.** Term: IV/V/VI/VII

- 7. Pre-requisite: Basic knowledge of mathematical programming 8. Subject Area: PEC
- **9. Objective:** To use modelling techniques through hands-on data analysis in a variety of application domains.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction about advanced decision making models	1
2.	The Duckworth-Lewis-Stern method: For setting targets in shortened limited overs cricket matches	4
3.	<b>Mars orbit</b> : From Tycho Brahe's observations to the conclusion that Mars moves in an elliptical orbit	4
4.	<b>Renewable energy integration</b> : Power purchasing agreements; Feed in tariffs, RE certificates, Spot markets: Day ahead market, real time markets; Power procurement portfolios; Dispatch optimization: Ramping, cold start, warm start hot start, start-up cost; Generation capacity expansion planning.	6
5.	<b>Decarbonization</b> : Carbon markets; Carbon capture, storage and utilization, CO2 transportation: pipelines & Shipping; Shipping terminal catchment areas; Source sink matching	3
6.	<b>Select topics in water management</b> : Forecasting; sectoral allocation; conflict characterization	3
	Total	21

#### 11. Suggested Reading:

There is no textbook for this course. Slides of lectures and the relevant papers will be provided. Cases will be updated as the course evolves.

Following research papers will be primary reference source:

- 1. Duckworth, F. C., and Lewis, A.J. "A fair method for resetting the target in interrupted one-day cricket matches" Journal of the Operational Research Society, (Mar 1998)
- Duckworth, F. C., and A. J. Lewis. "A successful operational research intervention in one-day cricket." Journal of the Operational Research Society, (Jul 2004).
   T., & Balachandra, P. (2015). Benchmarking sustainability of Indian electricity system: An indicator approach. Applied Energy, 142. https://doi.org/10.1016/j.apenergy.2014.12.037

- Sharma, Tarun, & Balachandra, P. (2019). Model based approach for planning dynamic integration of renewable energy in a transitioning electricity system. International Journal of Electrical Power & Energy Systems, 105, 642–659. https://doi.org/10.1016/J.IJEPES.2018.09.007
- 4. Sharma, Tarun, Gallachóir, B., & Rogan, F. (2020). A new hybrid approach for evaluating technology risks and opportunities in the energy transition in Ireland. Environmental Innovation and Societal Transitions, 35 (February), 429–444. https://doi.org/10.1016/j.eist.2020.01.012

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-670 Course Title: Circular supply chain for Sustainability
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To impart the knowledge of circular supply chain for sustainability in business.

### 10. Details of the Course

S.No.	Contents	Contact
		hours
1.	The limits of linear consumption, From linear to circular, seven pillars of	2
	circular Economy, Case examples of circular products	
2.	Circular Economy Principles, basic circular economy framework, Growth	2
	and Sustainability	
3.	Waste and Systems-Level Thinking, Biological Cycles- cycles for biological	2
	materials	
4.	Material and Product Design, circular Supply Chains	2
5.	Business Models- offering products "as a service" instead of selling products	2
	and transferring ownership to consumers, opportunities, and challenges of	
	circular business models.	
6.	Policy - existing and potential policy changes to encourage greater circular	2
	flows, taxing material resource consumption	
7.	Role of Consumers, sharing Economy for circular Economy	2
8.	Technological developments for circular Economy, IoT and 3D printing for	2
	circular Economy	
9.	Financing requirement for circular Economy, innovative funding models	2
10.	Circular economy indicators and measurements, metrics of the circular	3
	economy company, city, and country levels	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Webster, K. The circular Economy: A wealth of flows. Ellen	2017
	MacArthur Foundation Publishing.	
2.	Grant, D. B., Wong, C. Y., & Trautrims, A. Sustainable	2017
	logistics and supply chain management: principles and	
	practices for sustainable operations and management. Kogan	
	Page Publishers.	
3.	Genovese, A., Acquaye, A. A., Figueroa, A., & Koh, S. L.	2017
	Sustainable supply chain management and the transition	
	towards a circular economy: Evidence and some	
	applications. Omega, 66, 344-357.	
4.	Stahel, W. R., & MacArthur, E. The circular Economy: A	2019
	user's guide. Routledge.	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-620 Course Title: Industrial Internet of Things for Managers
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To impart the knowledge of different cyber-physical systems for industrial applications.
- **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Introduction to IoT, Sensing & actuation, IoT Connectivity, The Fourth	3
	Revolution, industry 4.0	
2.	Smart and connected business perspective, Smart factories, Cyber-Physical	2
	Systems and Next Generation Sensors	
3.	Collaborative Platform Product Lifecycle Management, Augmented Reality	3
	and Virtual Reality, Artificial Intelligence	
4.	Big Data and Advanced Analysis, Cybersecurity in Industry 4.0	2
5.	Industrial Internet systems, Industrial Sensing & Actuation, Industrial	2
	Process	
6.	Business Models and Reference Architecture for IIoT, Enablers of IIoT:	2
	Sensing, connectivity, processing, and process control	
7.	IIoT Analytics and Data Management: Machine Learning and Data Science	2
8.	Cloud computing in IIoT, data centre networks, Software-defined networking	3
	(SDN)	
9.	Industrial IoT- Application Domains: Manufacturing and service industries	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Gilchrist, A., Industry 4.0: the industrial internet of things.	2016
	Apress.	
2.	Rawat, D. B., Brecher, C., Song, H., & Jeschke, S. Industrial Internet of Things: Cybermanufacturing Systems. Cham,	2017
	Internet of Things: Cybermanufacturing Systems. Cham,	
	Switzerland: Springer.	
3.	Misra, S., Roy, C., & Mukherjee, A. Introduction to Industrial	2021
	Internet of Things and Industry 4.0. CRC Press.	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-621
   Course Title: Spreadsheet Modelling
- **2.** Contact Hours: L: 3 T: 0 P: 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To introduce the participants to advanced interactive features of the popular spread sheet packages and the programming languages such as Visual Basic for Applications (VBA), embedded in some popular spreadsheet packages.

### **10. Details of the Course**

S.No.	Contents	Contact
		hours
1.	Recap of Basics of Excel and Database Arithmetic – VLOOKUP,	2
	HLOOKUP, Advanced Filtering, PIVOT Table	
2.	TEXT and DATE Handling – Code, Char, and Date Functions	2
3.	Array Functions, Matrix Operations and Regression	2
4.	Simulation, Macros and Solver Feature – Introduction to VBA	4
	Environment, Sub and Functions in VBA – Introduction using elementary	
	examples	
5.	If Then, Else Condition in VBA – Introduction to control constructs, Loops	4
	in VBA – For NEXT, Loops in VBA – DoLOOP, Select Case Control	
	Construct	
6.	Arrays in VBA, Declaring arrays and Elementary Examples, Solving	5
	Travelling Salesman Problem and Bin Packing problem using a heuristic,	
	User Forms in VBA	
7.	Examples to enhance the usage of interactive version of spreadsheet –	2
	Goal Seek, Generalized VLOOKUP, etc.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1.	Winston Wayne, Microsoft Excel 2019 Data Analysis and	2019
	Business Modelling, Microsoft	
2.	Ragsdale Cliff, Spreadsheet Modelling & Decision Analysis,	2010
	6 <sup>th</sup> Ed, Cengage	
3.	Spreadsheet Through Examples: Microsoft Excel 2010	2013
	Version. (IIMA)	
4.	https://www.excelfunctions.net/excel-vba-tutorial.html VBA	WebLink
	tutorial	
5.	https://powerspreadsheets.com/create-excel-userforms/ User	WebLink
	Forms tutorial	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- **Course Title:** Business Analytics Subject Code: BMN-622 1. 2. **Contact Hours: T:** 0 **P:** 0 L: 3 3. **Examination Duration (Hrs.):** Theory: 2 **Practical:** 0 4. Relative Weightage: CWS: 50 **PRS:** 0 **MTE:** 0 **ETE: 50 PRE:** 0 5. Credits: 1.5 6. Term: IV/V/VI/VII Pre-requisite: Nil 8. Subject Area: PEC 7.
- **9. Objective:** To familiarize the participants with new and state of the art modelling techniques to typical business decision making problems with the aid of software like MS Excel, R and/or Python.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Review of Basics of Probability, Linear Algebra and Statistics for Analytics,	3
	Data Visualization	
2.	Confidence Interval, Hypothesis Testing	3
3.	Logistic Regression	3
4.	Clustering and Factor Analysis using Python	3
5.	Naïve Bayes Classifier	2
6.	K-Nearest Neighbor	2
7.	Artificial Neural Networks	2
8.	Text Analytics using Python	3
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Galit Shmueli, Peter Bruce and Nitin R. Patel, "Data Mining	2016
	for Business Analytics – Third Edition" Wiley	
2.	Dimitris Bertsimas, Allison O'Hair, William Pulleyblank,	2016
	"The Analytics Edge", Dynamic Ideas LLC	
3.	Foster Provost and Tom Fawcett, "Data Science for Business"	2013
	by O'Reilly Media	
4.	Larose, D. T. and Larose, C. D., "Data Mining and Predictive	2015
	Analytics", Wiley	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- **1. Subject Code:** BMN-647 **Course Title:** Marketing Strategy
- **2. Contact Hours:** L: 3 T: 0 P: 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/ V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- **9. Objective:** To impart knowledge related to marketing strategy formulation-the identification of the target markets and the creation of a differential advantage.

#### **10. Details of the Course**

S.No.	Contents	
		hours
1.	Setting the stage for Marketing Strategy, Marketing in current times	3
2.	Strategic Marketing planning	3
3.	Discovering Market Opportunities, Collecting and analyzing Marketing Information	4
4.	Developing Competitive advantage and strategic focus	4
5.	Developing Marketing Strategy and program, Branding and Positioning	3
6.	Putting Strategy into action, Ethics and Social Responsibility, Implementation and Control	4
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication/ Reprint</b>
1.	Aaker, D.A., Moorman, C., Strategic Market Management, 11 <sup>th</sup>	2021
	Ed., Wiley	
2.	Hooley, G., Piercy, N., Marketing Strategy and Competitive	2020
	Positioning, 7 <sup>th</sup> Ed., Pearson	
3.	Ferrell, O.C., and Hartline, M.D., Marketing Strategy: Text and	2018
	Cases, 6 <sup>th</sup> Ed., Cengage Learning	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-668 Course Title: Electronic Commerce and Applications
- **2. Contact Hours:** L: 3 **T:** 0 **P:** 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/ V/VI/VII
- 7. Pre-requisite: Nil8. Subject Area: PEC
- 9. Objective: To impart knowledge on electronic commerce and its applications in the current business context.

#### **10. Details of the Course**

S.No.	Contents	
		hours
1.	Background of EC, EC vs e-Business, EC Drivers, Tools, Frameworks,	3
	Limitations, Transactions, EC Business Models, Evolution of EC in India, EC	
	Opportunities in India, Factors affecting Indian ECs.	
2.	Technology Infrastructure, EC Brand Building, EC Challenges Issues,	3
	Domestic vs International Context.	
3.	Types of threats in EC, Key dimensions of EC Security, Technology Solutions,	3
	EC Security plan, Security Management Structure.	
4.	Concepts and attributes of m-commerce, Drivers and applications, Benefits,	4
	Location based e-commerce, implementation issues of m-commerce.	
5.	E-payment systems, E-Payment Classification, Virtual Currency, Payment	
	Gateways, Stakeholders.	
6.	AI and it's applications in EC, Types of AI problems in EC, Impact of AI in	
	the changing EC scenario.	
7.	Electronic Governance definition and scope, Categories of e-government	2
	services, Application of E-Governance and m-Governance.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Laudon, K. C., and Traver, C. G., "E-Commerce: Business,	2020
	Technology, Society", 15th Ed., Pearson Education, Inc.	
2.	Turban, E., Outland, J., King, D., Lee, J.K., Liang, T.P. and	2018
	Turban, D.C., "Electronic commerce: a managerial and social	
	networks perspective". Switzerland: Springer International	
	Publishing.	
3.	Turban, E., Whiteside, J, King, D., and Outland, J.,	2017
	"Introduction to Electronic Commerce and Social Commerce",	
	4th Ed, Springer International Publishing.	
4.	D. Chaffey, "Digital business and E-commerce management:	2015
	strategy, implementation and practice", 6th Ed., Pearson	
	Education, USA.	

### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-663 Course Title: Information Technology Project Management
- **2.** Contact Hours: L: 3 **T:** 0 **P:** 0
- **3. Examination Duration (Hrs.):** Theory: 2 Practical: 0
  - 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
  - **5.** Credits: 1.5 **6.** Term: IV/ V/VI/VII
  - 7. Pre-requisite: Nil8. Subject Area: PEC
  - **9. Objective:** To provide an insight into life cycle of IT projects highlighting specific and unique requirements.

#### **10. Details of the Course**

S.No.	Contents	Contact hours
1.	Introduction to Information Technology Projects: Difference between IT	2
	and Business Projects, Specific requirements of IT Projects, Success of IT	
	projects-reasons of projects failure, Typical large projects, Issues and	
	challenges.	
2.	Project Methodologies and Processes: Program and project lifecycle	2
	(PLC), SDLC vs PLC, Project Phases, Project management knowledge areas,	
	Waterfall vs Agile model.	
3.	IT Project Estimation Techniques and Tools: Cost estimating tools:	4
	COCOMO I/II, Function Point Method, Scheduling Techniques.	
4.	Project Planning: Project objectives, Developing Project Charter, Develop	5
	business cases, Financial analysis of projects, Evaluate project alternatives,	
	Project infrastructure, The organization and project resources, Procurement	
	planning, Phases and stages, IT project Risk Management.	
5.	Project Execution, Implementation and Rollout: Management of Multi-	5
	Vendor projects, Project vendor structure, Proof of concept, Project kickoffs	
	and nodal teams, Testing, Pilots, Training, handover and project Closure.	
6.	Agile Methodologies: Difference between SCRUM and Traditional Methods	3
	of Project Management, Agile method definition and usage, Definition of	
	SCRUM, SCRUM Framework	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Schwalbe, K., "Information Technology Project Management", 9 <sup>th</sup> Ed., Cengage learning	2018
2.	Marchewka, J.T., "Information Technology Project Management: Providing measurable organizational value". John Wiley & Sons	2016

## ACADEMIC AFFAIRS OFFICE INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

No. Acd./1876 /IAPC-120

Dated: June 16 , 2022

#### Head, Department of Management Studies

The IAPC in its 120<sup>th</sup> meeting held on 25.05.2022 vide Item No. 120.2.5 considered and approved the proposal of the Department of Management Studies to introduce following PECs for MBA with modification:

- 1. BMN-648: AI in Marketing
- 2. BMN-649: Logistics Management
- 3. BMN-650: Logistics Analytics

The modified syllabus of above courses is attached as Appendix-A.

Assistant Registrar (Curriculum)

#### Copy to (through e mail):-

- 1. All faculty
- 2. Head of all Departments/ Centres/ School
- 3. Dean, Academic Affairs
- 4. Associate Dean of Academic Affairs (Curriculum)
- 5. Channel i/ AIS (acad.iitr.ac.in)/ Academic webpage of iitr.ac.in

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-648
- **2.** Contact Hours: L: 2 T: 0 P: 1
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 1
- 4. Relative Weightage: CWS: 25 PRS: 0 MTE: 0 ETE: 50 PRE: 25
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil8. Subject Area: PEC
- **9. Objective:** To develop an understanding of application of AI in marketing management and familiarize students with changes brought in traditional marketing activities due to AI and ethical concerns raised by AI adoption.

Course Title: AI in Marketing

## **10. Details of the Course**

S.No.	Contents	Contact Hours
1.	<b>Introduction to AI in Marketing:</b> The Marketer's challenge; Nature, scope, understanding of basics of AI; AI history; AI themes; Types of AI, benefits and limitations of AI; Machine Learning; New Technologies- IoT, AR, VR, Mixed Realities.	2
2.	<b>Developing Marketing Strategies and Plans using AI:</b> Role of AI in value delivery process; Designing AI marketing strategy; Building sustainable competitive advantage using AI; Using AI for segmentation, targeting and positioning	2
3.	<b>AI For Marketing Research:</b> Traditional Vs AI Powered Marketing Research: Three Level of AI: Mechanical AI for Data Collection, Thinking AI for Marketing Analysis, Feeling AI for Customer Understanding; Benefits of using AI in marketing research	2
4.	<b>AI and Customer Journey:</b> Classic journey vs new journey; The changing customer journey- making the customer journey shorter, moving upstream in the customer journey; Customer Journey and connected experience; Role of AI in journey phases; Capabilities of effective Customer Journey.	2
5.	<b>AI for building strong brands:</b> AI for standardization, personalization and relationalization, network and networks effect; New realities for brands- anthropomorphism and developing brand personality, human experience; addressing competition using AI; sharing economy, rising personalization and customization	2
6.	<b>AI for designing, delivering and communicating value:</b> Using AI in product strategy- development, design and differentiation, managing services- virtual assistants, chatbots, service robots and other AIs; pricing strategies – pitfalls of pricing algorithms; marketing channel management- new and hybrid channels, managing retailing- online versus in-store -hybrid shopping experiences.	2
7.	<b>Ethics in AI:</b> Ethical Concerns in using AI: concerns about privacy, potential for bias, concerns about appropriateness; the risks of using AI: fairness, transparency and management of self-learning algorithms; AI and workforce; Building accountability in AI; Four phase approach to implementing AI.	2
	Total	14

### **11. Suggested Practical:**

The practical will introduce students to AI and ML as well as teach them to use Azure ML Studio: to predict customer churn. Customer churn is a problem that companies in many industries such as are constantly facing, to build a simple ML model to detect spam e-mails, let students work on the models to improve accuracy, recall, and precision.

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	Sterne J., "Artificial intelligence for marketing: practical	2017
	applications", John Wiley & Sons.	
2.	Gentsch, Peter., "AI in marketing, sales and service: How	2018
	marketers without a data science degree can use AI, big data and	
	bots", (eBook) Springer.	
3.	King K., "Using Artificial Intelligence in Marketing: How to	2019
	harness AI and maintain the competitive edge", Kogan Page	
	Publishers	
4.	Hosnagar, K, "A human's guide to machine intelligence", New	2019
	York: Viking.	
5.	Venkatesan, R., and Lecinski J, "The AI Marketing Canvas: A	2021
	Five-stage Road Map to Implementing Artificial Intelligence in	
	Marketing", Stanford University Press.	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- 1. Subject Code: BMN-649
   Course Title: Logistics Management
- **2. Contact Hours:** L: 3 **T:** 0 **P:** 0
- **3.** Examination Duration (Hrs.): Theory: 2 Practical: 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0
- **5.** Credits: 1.5 **6.** Term: IV/V/VI/VII
- 7. Pre-requisite: Nil 8. Subject Area: PEC
- 9. Objective: To introduce the theory and practice of logistics management with real-life applications.

### **10. Details of the Course**

S.No.	Contents	Contact Hours
1.	Introduction to Logistics Management, Logistics from micro and macro perspectives	2
2.	Logistics services, Transportation, First and last mile, Cross docking, Warehousing, Freight forwarding, Reverse Logistics	2
3.	Unitization, Palletization, Containerization, RoRo, Piggy back in multimodal transport	2
4.	Road, Rail, Air, Ocean, Intermodal freight transport, their long and short haul operations, and market conditions	3
5.	Warehousing, Terminals, and Ports operations, Inbound and Outbound logistics, Storage, Tracking, and Facility Management	2
6.	Logistics costs, Pricing, Taxes, Insurance, and Risk management	2
7.	International trade, EXIM procedures and documentation, Customs, International commercial terms, Foreign trade policy	2
8.	Logistics business models for B2B and B2C segments, LSPs, Carriers, Freight Forwarders, Courier and parcel companies, Uberization	2
9.	Technology trends in logistics, Logistics 4.0	2
10.	Logistics Key Performance Indicators, India's logistics competitiveness, National Logistics Policy	2
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	B.Y. Kara, I. Sabuncuoglu, Global logistics management. CRC	2014
	Press	
2.	S.L. Ganapathi, S.K. Nandi, Logistics Management. Oxford	2020
	University Press	
3.	J. Rudd, A Practical Guide to Logistics: An Introduction to	2019
	Transport, Warehousing, Trade and Distribution. Kogan Page	
	Publishers	
4.	P.A. David, International Logistics: The Management of	2021
	International Trade Operations. Cicero Books	

#### NAME OF DEPARTMENT/CENTRE: Department of Management Studies

- **1.** Subject Code: BMN-650Course Title: Logistics Analytics
- **2. Contact Hours:** L: 3 **T:** 0 **P:** 0
- **3. Examination Duration (Hrs.):** Theory: 2 **Practical:** 0
- 4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

**5.** Credits: 1.5 **6.** Term: IV/V/VI/VII

- 7. **Pre-requisite:** Basics of Operations Research 8. Subject Area: PEC
- **9. Objective:** To introduce real-life applications of Operations Research modelling in transportation and logistics area with hands-on data analysis.

#### **10. Details of the Course**

S.No.	Contents	Contact
1		Hours
1.	Predictive analytics for public and freight transport	2
2.	Fleet sizing applications for electric vehicles and rolling stock	2
3.	Loading and packing applications for trucks, trains, and aircrafts	2
4.	Consolidation and blocking applications for postal, trucking, and railways	2
5.	Routing applications for pick-up, distribution, and long haul	2
6.	Scheduling applications for flights, liner ships, and crew	2
7.	Network design applications in freight transport, oil and gas distribution, urban	3
	services (fire, police, emergency medical services)	
8.	Layout design and facility management in warehouses, terminals, and ports	2
9.	Pricing and capacity planning for airlines and other carriers	2
10.	Auctions in transportation and logistics	2
	Total	21

### **11. Suggested Books:**

S.No.	Name of Authors/Book/Publisher	Year of
		<b>Publication / Reprint</b>
1.	F.S. Hillier and M.S. Hillier, Introduction to Management Science: A	2018
	modeling and case studies approach with spreadsheets, McGraw Hill	
2.	J.G. Carlsson, and H.J. Greenberg, Tutorials in Operations Research:	2021
	Emerging optimization methods and modeling techniques with	
	applications, INFORMS, Springer	

### 12. Reference Research Articles:

- 1. A.P. Armacost, and A.M. Wilson, (2004), UPS optimizes its air network. Interfaces, 34(1), pp.15-25.
- 2. A. Upadhyay, (2020), Improving intermodal train operations in Indian Railways. INFORMS Journal on Applied Analytics, 50(4), pp.213-224.
- 3. D. Reich, and N. Olson, (2015) Ford Uses analytics to help fleet customers buy more sustainable vehicles. Interfaces, 45(6), pp.543-553.
- 4. T. Gifford and R. Gremley, (2019) Chassis leasing and selection policy for port operations. INFORMS Journal on Applied Analytics, 49(4), pp.239-248.