## **DEPARTMENT OF MANAGEMENT**

# RATHINAM COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Rathinam Tech zone, Pollachi Road, Eachanari,

Coimbatore – 641021



Syllabus for

**BBA Computer Applications** 

2024-2025 Batch on-wards

## Vision and Mission of the Institution:

#### **VISION**

To emerge as a world-renowned Institution that is integrated with Industry to impart Knowledge, Skills, Research Culture and Values in youngsters who can accelerate the overall development of India.

#### **MISSION**

To provide quality education at affordable cost, build academic and research excellence, maintain ecofriendly and robust infrastructure, and to create a team of well qualified faculty who can build global competency and employability among the youth of India.

#### **MOTTO**

Transform the youth into National Asset.

## **Vision and Mission of the Department:**

#### **VISION**

To establish the Management Department as a dynamic and continually evolving center of excellence, dedicated to providing students with a transformative learning experience. Our aim is to nurture global leaders who not only excel in business but also contribute significantly to the growth of society and the nation."

#### **MISSION**

Empower students to become agile, forward-thinking leaders who drive positive change in the business world, contribute to the betterment of society, and foster economic growth and prosperity on a national and global scale.

# **Program Educational Objectives (PEO)**

PEO1	Pursue a career as a globally competent and universally employable professional in core and related fields in diverse sectors who accelerates the overall development of India.
PEO2	Pursue lifelong learning opportunities including graduate degrees to improve and expand domain specific and professional skills.
PEO3	Advance personally and professionally by accepting professional and societal responsibilities, and pursuing leadership roles.

# **Mapping of Institute's Mission to PEO**

Institute's Mission	PEO's
To provide quality education at affordable cost, build academic and research	PEO1,
excellence maintain eco-friendly and robust infrastructure, and	PEO2
To create a team of well qualified faculty who can build global competency and	PEO2,
employability among the youth of India.	PEO3

# **Mapping of Department Mission to PEO**

Department Mission	PEO's
Imparting critical thinking	PEO 1, PEO 2
Enhancing research skills	PEO 1, PEO 2
Developing professionalism	PEO 2, PEO 3,
Viable technical knowledge and core competency	PEO 1. PEO 3

# **Program Outcomes (PO):**

P01	:	Demonstrate knowledge competency in core discipline
P02	:	Apply the appropriate knowledge and suitable skills in solving the complex problems
P03	:	Conduct investigations of complex problems through various scientific approaches
P04	:	Design solutions for complex and open ended real-life or real-time problems
P05	:	Use appropriate and advanced tools for wide range of practices with an understanding on its associated limitations
P06	:	Work effectively and responsibly as a member or a leader in a team
P07	:	Express complex concepts within the profession and with society at large
P08	:	Understand the professional roles and responsibilities
P09	:	Analyze social and environmental aspects of the professional practices
P010	:	Practice higher moral and ethical standards during the discharge of professional duties
P011	:	Incorporate finer finance and business practices in all professional engagements
P012	:	Identify and address their professional development through lifelong learning

## **Program Specific Outcomes (PSO):**

PSO 1	:	Students should be able to apply modern practices and strategies in software project development
		using open-ended programming environments to deliver quality product for business success in
		context with societal needs.

**PSO 2** : An ability to gain knowledge on design and control strategy; techniques to secure information and adapt to the fast changing world of information technology needs

**PSO 3** : An ability to use and develop cloud software, administrative features, infrastructure services and architectural patterns; ethical hacking and forensic security technologies.

## Correlation between the PO/PSO and the PEOs

<b>Program Outcomes</b>		PEO 1	PEO 2	PEO 3
PO 1	:	3	1	3
PO 2	••	3	2	3
PO 3	••	1	2	3
PO 4	••	3	1	3
PO 5	••	3	3	2
PO 6	••	2	3	3
PO 7	••	2	3	1
PO 8	••	3	2	1
PO 9	••	2	2	3
PO 10	••	3	2	1
PO 11	••	2	1	1
PO 12	••	3	2	2
PSO 1	••	2	3	1
PSO 2	••	3	2	2
PSO 3	••	2	3	3

<sup>3 –</sup> Strong correlation; 2-moderate correlation; 1-Less correlation; Blank-no correlation

## **Components considered for Course Delivery is listed below:**

- a. Class room Lecture
- b. Laboratory class and demo
- c. Assignments
- d. Mini Project
- e. Project
- f. Online Course
- g. External Participation
- h. Seminar
- i. Internship

## **Mapping of POs with Course Delivery:**

Program	Course Delivery											
Outcome	a	b	С	d	е	f	g	h	i			
PO1	3	3	1	1	2	1	3	3	1			
PO2	3	3	2	3	3	1	1	2	3			
PO3	3	3	1	3	1	1	1	2	3			
PO4	2	3	2	3	3	1	1	3	1			
PO5	3	2	1	3	1	3	3	3	3			
P06	2	3	1	3	3	1	2	3	3			
P07	2	3	1	3	1	1	2	3	3			

Admitted in BBA (CA) from the academic year 2024-2025 Onwards

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P08	2	2	1	2	3	3	2	3	3
P09	1	1	2	3	3	3	2	3	3
PO10	2	1	2	3	2	2	2	2	2
PO11	1	1	2	2	2	3	3	3	3
PO12	1	2	3	2	2	2	3	3	3
PSO1	2	3	1	3	2	3	1	3	3
PSO2	3	2	2	3	3	2	2	3	2
PSO3	2	3	3	2	2	3	3	2	3

<sup>3 –</sup> Strong correlation; 2-moderate correlation; 1-Less correlation; Blank-no correlation

## **RATHINAM COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**

## **BBA COMPUTER APPLICATION DEGREE PROGRAMME**

## BBA (CA) Curriculum Structure - Regulation - 2024

(For students admitted from 2024-2025 and onwards)

S.No.	Sem	Part	Sub Type	Course Code	Course Name	Credit	Hours	INT	EXT	Total
1	1	1	L1		Language - I	3	5	50	50	100
2	1	2	L2		English - I	3	5	50	50	100
3	1	3	Core		Core Course – I Theory	4	5	50	50	100
4	1	3	Core		Core Course – II Theory /Practical	4	4	50	50	100
5	1	3	Allied		Allied-I	4	5	50	50	100
6	1	4	SEC		Skill Enhancement Courses – I Practical / Training -	4	4	50	50	100
7	1	4	AEC		Ability Enhancement Course I Environmental Studies <b>or</b> Universal Human Values & Professional Ethics	2	2	50	0	50
						24	30	350	300	650
1	2	1	L1		Language - II	3	5	50	50	100
2	2	2	L2		English - II	3	5	50	50	100
3	2	3	Core		Core Course – III Theory	4	5	50	50	100
4	2	3	Core		Core Course – IV Theory / Practical	4	4	50	50	100
5	2	3	Elective		Elective - I Entreprenuership Development	4	4	50	50	100
6	2	3	Allied		Allied-II	4	5	50	50	100
7	2	4	AEC		Ability Enhancement Course II Design Thinking	2	2	50	0	50
8	2	5	Ext		Extension Activity - I (NASA)	1	0	25	0	25
						25	30	375	300	675
1	3	1	L1		Language - III	3	4	50	50	100
2	3	2	L2		English - III	3	4	50	50	100
3	3	3	Core		Core Course – V Theory	4	6	50	50	100
4	3	3	Core		Core Course – VI Theory / Practical	4	4	50	50	100
5	3	3	Allied		Allied-III	4	5	50	50	100
6	3	4	SEC		Skill Enhancement Courses – II Practical / Training	4	5	50	50	100
7	3	4	AEC		Ability Enhancement Course III Soft Skill-1	2	2	50	0	50

1	8	3	3	ITR	Internship / Industrial Training (Summer vacation at the end of II semester activity)	2	0	50	0	50
1	9	3	5	Ext	Extension Activity - II (NASA)	1	0	25	0	25
2						27	30	425	300	725
3	1	4	1	L1	Language - IV	3	4	50	50	100
A	2	4	2	L2	English - IV	3	4	50	50	100
4	3	4	3	Core	Core Course – VII Theory	4	6	50	50	100
8	4	4	3	Core		4	4	50	50	100
7	5	4	3	Allied	Allied-IV	4	5	50	50	100
7	8	4	3	Elective	Elective - II	4	5	50	50	100
1   5   3   Core   Core Course – IX Theory   4   6   50   50   100	7	4	4	AEC		2	2	50	0	50
1         5         3         Core         Core Course – IX Theory         4         6         50         50         100           2         5         3         Core         Core Course – X Theory / Practical         4         6         50         50         100           3         5         3         Elective         Elective - III         4         6         50         50         100           4         5         4         SEC         Skill Enhancement Courses – III         4         6         50         50         100           5         5         4         SEC         Skill Enhancement Courses – III         4         6         50         50         100           5         5         3         ITR         Internship / Industrial Training (Summer vacation at the end of IV semester activity)         2         0         50         0         50           6         5         5         Ext         Extension Activity - IV (NASA)         1         0         25         0         25           1         6         3         Core         Core Course – XI Theory         4         6         50         50         100           2         6 <t< td=""><td>8</td><td>4</td><td>5</td><td>Ext</td><td>Extension Activity - III (NASA)</td><td>1</td><td>0</td><td>25</td><td>0</td><td>25</td></t<>	8	4	5	Ext	Extension Activity - III (NASA)	1	0	25	0	25
2   5   3   Core   Core Course – X Theory / Practical   4   6   50   50   100     3   5   3   Elective   Elective – III   4   6   50   50   100     5   3   PRJ   Project   0   6   0   0   0     4   5   4   SEC   Skill Enhancement Courses – III   4   6   50   50   100     5   5   3   ITR   Internship / Industrial Training (Summer vacation at the end of IV semester activity)   100   100   100   100     6   5   5   Ext   Extension Activity – IV (NASA)   1   0   25   0   25     1   6   3   Core   Core Course – XII Theory / Practical   4   6   50   50   100     2   6   3   Core   Core Course – XII Theory / Practical   4   6   50   50   100     3   6   3   Elective   Elective – IV   4   6   50   50   100     4   6   3   PRJ   Core Project   8   8   100   100   200     5   6   4   SEC   Skill Enhancement Courses – IV   Practical / Training   24   30   300   300   600     6   Core Course – XII Training   24   30   300   300   600     7   Practical / Training   24   30   300   300   600     8   PRJ   Core Project   8   8   100   100   200     8   PRJ   Core Project   8   8   100   100   200     9   Practical / Training   24   30   300   300   600     9   Practical / Training   24   30   300   300   600     9   Practical / Training   24   30   300   300   300   600     9   Practical / Practical / Training   24   30   300   300   300   600     9   Practical / P						25	30	375	300	675
Practical   Prac	1	5	3	Core	Core Course – IX Theory	4	6	50	50	100
S   3   PRJ   Project   0   6   0   0   0   0   0   0   0   0	2	5	3	Core		4	6	50	50	100
Skill Enhancement Courses - III	3	5	3	Elective	Elective - III	4	6	50	50	100
SEC   Practical / Training   4		5	3	PRJ	Project	0	6	0	0	0
5       5       3       ITR       (Summer vacation at the end of IV semester activity)       2       0       50       0       50         6       5       5       Ext       Extension Activity - IV (NASA)       1       0       25       0       25         1       6       3       Core       Core Course - XI Theory       4       6       50       50       100         2       6       3       Core       Core Course - XII Theory / Practical       4       4       50       50       100         3       6       3       Elective       Elective - IV       4       6       50       50       100         4       6       3       PRJ       Core Project       8       8       100       100       200         5       6       4       SEC       Skill Enhancement Courses - IV Practical / Training       4       6       50       50       50       100	4	5	4	SEC		4	6	50	50	100
19     30     275     200     475       1     6     3     Core     Core Course – XI Theory     4     6     50     50     100       2     6     3     Core     Core Course – XII Theory / Practical     4     4     50     50     100       3     6     3     Elective     Elective – IV     4     6     50     50     100       4     6     3     PRJ     Core Project     8     8     100     100     200       5     6     4     SEC     Skill Enhancement Courses – IV Practical / Training     4     6     50     50     100       24     30     300     300     600	5	5	3	ITR	(Summer vacation at the end of	2	0	50	0	50
1       6       3       Core       Core Course – XI Theory       4       6       50       50       100         2       6       3       Core       Core Course – XII Theory / Practical       4       4       50       50       100         3       6       3       Elective       Elective – IV       4       6       50       50       100         4       6       3       PRJ       Core Project       8       8       100       100       200         5       6       4       SEC       Skill Enhancement Courses – IV Practical / Training       4       6       50       50       100         24       30       300       300       300       600	6	5	5	Ext	Extension Activity - IV (NASA)	1	0	25	0	25
2       6       3       Core       Core Course – XII Theory / Practical       4       4       4       50       50       100         3       6       3       Elective       Elective – IV       4       6       50       50       100         4       6       3       PRJ       Core Project       8       8       100       100       200         5       6       4       SEC       Skill Enhancement Courses – IV Practical / Training       4       6       50       50       100         24       30       300       300       600	_					19	30	275	200	475
2       6       3       Core       Practical       4       4       50       50       100         3       6       3       Elective       Elective – IV       4       6       50       50       100         4       6       3       PRJ       Core Project       8       8       100       100       200         5       6       4       SEC       Skill Enhancement Courses – IV Practical / Training       4       6       50       50       100         24       30       300       300       600	1	6	3	Core	Core Course – XI Theory	4	6	50	50	100
4       6       3       PRJ       Core Project       8       8       100       100       200         5       6       4       SEC       Skill Enhancement Courses – IV Practical / Training       4       6       50       50       100         24       30       300       300       600	2	6	3	Core		4	4	50	50	100
5       6       4       SEC       Skill Enhancement Courses – IV Practical / Training       4       6       50       50       100         24       30       300       300       600	3	6	3	Elective	Elective – IV	4	6	50	50	100
5 6 4 SEC Practical / Training 4 6 50 50 100  24 30 300 300 600	4	6	3	PRJ	Core Project	8	8	100	100	200
	5	6	4	SEC		4	6	50	50	100
						24	30	300	300	600
					Total credit	144	180	2100	1700	3800

## Core – Theory

S.No.	Sem	Pre-requisite	Course Code	Course Name	Offering Department	Type Theory / Practical
1	I	HSC		Principles Of Management	Management	Theory
2	II	POM		Organizational Behaviour	Management	Theory
3	III	HSC		Financial Accounting	Management	Theory
4	IV	POM		Supply Chain Management	Management	Theory
5	V	ОВ		Human Resource Management	Management	Theory
6	VI	POM		Strategic Management	Management	Theory

## Core - Theory / Practical

S.No.	Sem	Pre-requisite	Course Code	Course Name	Offering Department	Type Theory / Practical
1	I	HSC		Business Economics	Management	Theory
2	П	HSC		Marketing Management	Management	Theory
3	Ш	HSC		Financial Services	Management	Theory
4	IV	HSC		Digital Marketing	Management	Theory
5	v	POM		Research Methods For Management	Management	Theory
6	VI	POM		Management information system	Management	Theory

## Allied

S.No.	Sem	Pre-requisite	Course Code	Course Name	Offering Department	Type Theory / Practical
1	1	HSC		Business Mathematics	Management	Theory
2	=	HSC		Quantitative Techniques	Management	Theory
3	Ш	HSC		Business Communication	Management	Theory
4	IV	HSC		Marketing research	Management	Theory

## **Skill Enhancement Course**

S.No.	Sem	Pre-requisite	Course Code	Course Name	Offering Department	Type Practical / Training
1	I	HSC		Modern Office Management	Management	Theory
2	III	HSC		Internet and web designing	Management	Theory
3	V	HSC		Introduction to python with Data science	Management	Theory
4	VI	HSC		Fundamentals of business analytics	Management	Theory

## **Elective**

S.No.	Sem	Pre-requisite	Course Code	Course Name	Offering Department	Type Practical / Training
1	II	HSC		Entrepreneurship Development	Management	Theory
2	IV	HSC		Block chain fundamentals	Management	Theory
3	V	HSC		Fundamentals of Al	Management	Theory
4	VI	HSC		Information system and Cyber security	Management	Theory

					Additional Credits					
S.No.	Sem	Part	Sub Type	Course Code	Course Name	Credit	Hours	INT	EXT	Total
1	2	6	VAC		VAC - Microsoft CoE Course / NPTEL	2	2	50	0	50
3	4	6	IDC		VAC - Microsoft CoE Course / NPTEL	2	2	50	0	50
4	5	6	VAC		VAC - Microsoft CoE Course / NPTEL	2	2	50	0	50

Parts	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Total Credits
Part I	3	3	3	3			12
Part II	3	3	3	3			12
Part III	12	16	14	16	14	20	92
Part IV	6	2	6	2	4	4	24
Part V		1	1	1	1		4
Total	24	25	27	25	19	24	144

## **CORE COURSES**

#### Semester 1

<b>Course Code</b>	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Principles of Management	4	5	5	0	Theory

#### **Course Introduction:**

This course enables the students to learn principles, concepts and functions of Management. Identify the key competencies needed to be an effective manager. Provide the students with the capability to apply theoretical knowledge in simulated and real-life settings. Develop the students' ability to work in teams Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course On completion of this course, students will Outcomes CO 1: Understand the Management concepts and Functional areas of Management in Business Arena. CO 2: Evaluate the conceptual framework of planning and decision-making in day today life. CO 3: Understand the managerial functions of organizing and staffing to achieve the target of the organization. CO 4: Analyse the theories of motivation, leadership and communication in a variety of Circumstances and management practices in organizations. CO 5: Evaluate the control process, to apply theoretical knowledge in simulated and real-life Settings.

Unit I: [12 Periods]

Overview of Management: Definition –Nature and scope of management-Importance - skills of managers–Levels of Management-Functional areas of management- Evolution of Management thought: Contribution of F.W.Taylor, Henri Fayol, Elton Mayo, Peter F. Drucker's thought Management: a science or an art?

Unit II: [12 Periods]

**Planning**: Definition -Nature and purpose – Planning process – Importance of planning –types of plan-Decision making - Definition -steps and types..

Unit III: [12 Periods]

**Organizing**: Definition -Types of organization — Organizational structure —Span of control — use of staff units and committees. Delegation: Delegation and Centralization. Centralization and Decentralization — **Staffing**: Definition- Sources of recruitment — Selection-Definition - process

Training-Definition-Types.

Unit IV: [12 Periods]

**Directing**: Definition -Nature and purpose of Directing.- Principles — Motivation - Definition -Theories of Motivation (Maslow's, McGregor, ERG Theory, Herzberg two factor theory)—Leadership: Definition-Styles — Communication: Definition - Importance of Communication —Methods of Communication — Types — Barriers.

Unit V: [12 Periods]

**Controlling**: Meaning and importance of controls – control process – Budgetary and non-Budgetary Control Techniques – Requisites of an effective control system – Relationship between planning and controlling – Need for co-ordination..

#### **Text Books:**

- 1. P.C. Tripathy, "Principles of Management," Tata McGraw hill publishing Company ltd, 5th Edition, 2012, New Delhi.
- 2. T. Ramasamy, "Principles of Management," Himalaya Publishing House, First Edition, 2014.

## **Reference Books:**

- 1. R.K.Sharma&ShashiK.Gupta, Principles of Management
- 2. Bhushan Y.K, "Business Organization," Sultan Chand & Sons, Nineteenth Edition -2013
- 3. L.M. Prasad, Principles of Management, 5th Edition, Himalaya publication, Mumbai 2006
- 4. Hellriegel, Slocum & Jackson, 'Management A Competency Based Approach', Thomson South Western, 10th edition, 2007
- 5. S.Bagad, 'Principles of Management', Techinical Publications, 4th edition, 2013

## Web Resources: chrome

extension://efaidnbmnnnibpcajpcglclefindmkaj/https://d3bxy9euw4e147.cloudfront.net/oscms-prodcms/media/documents/PrinciplesofManagement-OP.pdf

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Course Outcome		Programme Outcomes Programme Specific Outcome													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Type
	Business Economics	4	4	4	0	Theory

#### **Course Introduction:**

To make the student to know the fundamentals of micro and macro-economic theory and practice as they are applied to business in a managerial.

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcome s	On completion of this course, students will
CO 1:	To understand the internal and external decisions of the business
CO 2:	To analyse the demand and supply conditions and assess the position of a Business
CO 3:	To Design competition strategies, including costing, pricing, product differentiation, and market environment according to the natures of products and the structures of the Business
CO 4:	To Identify the role of demand in a market economy
CO 5:	To grasp an in-depth, examine about Law of supply

Unit I: [12 Periods]

Business Economics: Meaning-definitions-characteristics -distinction between businesses economics and economics -scope of business economics -uses/objectives of business Economics—Role and responsibilities of business economist.

Unit II: [12 Periods]

Consumer Behaviour: Consumer sovereignty-limitations. Approaches to the study of consumer behaviour - cardinal approach-the law of equip-marginal utility, ordinal approach –indifference curve analysis-properties –Consumer surplus -meaning-analysis limitations

Unit III: [12 Periods]

Demand: Theory of Demand Analysis-demand determinants -law of demand: characteristics exceptions -Elasticity of demand -price elasticity -types -determining factors-change in demand and elasticity of demand -business applications of price elasticity-Concepts of income and cross elasticity of demand. Price elasticity of demand measurement by total outlay method

Unit IV: [12 Periods]

Demand Forecasting: methods-survey of buyer's intention -collective opinion -trend Projection -economic indicator. Demand forecasting methods for a new product

Unit V: [12 Periods]

Law of Supply -meaning-determinants of supply and its influence on cost of production. Production Function: Equilibrium through Isoquants and ISO costs -managerial uses of production Function-law of variable proportions -economies of large scale of production-diseconomies of Large-scale production

## **Text Books:**

1. Business Economics, Sankaran, Margham Publications

## **Reference Books:**

- 1. Managerial Economics, Joel Dean, Prentice-Hall of India, New Delhi, 2013
- 2. Managerial Economics, Gupta, Tata McGraw Hill, 2006
- 3. Business Economics, Mukund Mahajan

#### Web Resources:

https://www.icsi.edu/media/website/Business%20Economics%20(FndProg).pdf

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Course Outcome		Programme Outcomes Programme Specific Outcome													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

<b>Course Code</b>	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Organizational Behaviour	4	5	5	0	Theory

#### Course Introduction:

To enable the students to acquire knowledge about organizational behavior in industry, to familiarize the students with the basic concepts of the organizational behavior and to enhance their understanding of the interaction between the individuals and the organizations.

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	Students came to know the need, scope and theories of organization
CO 2:	Students achieve knowledge on various motivational techniques of employees
CO 3:	Students learned knowledge on work environment and leadership styles
CO 4:	Students acquired knowledge on group dynamics in an organization
CO 5:	Students understood the climate and culture in an organization

Unit I: [12 Periods]

Importance and scope of organisational psychology — Individual differences - Intelligence tests Measurement of intelligence - Personality tests - nature, types and uses.

Unit II: [12 Periods]

Perception - Factors affecting perception - Motivation - theories - financial and non-financial motivation - techniques of motivation - Transactional Analysis - Brain storming

Unit III: [12 Periods]

Job satisfaction - meaning — factors, Morale - importance - Employee attitude and behaviour and their significance to employee productivity - Job enrichment - job enlargement

Unit IV: [12 Periods]

Conflict - Types of Conflict - Resolution of conflict - Sociometry - Group norms - supervision - style - Training for supervisor Leadership - types - theories - Trait, Managerial Grid, Fiddler's - contingency

Unit V: [12 Periods]

Stress management—meaning, types of stress- consequences of work stress. Counseling -meaning - Importance of counselor - types of counseling - merits of counseling. Team building and it importance

## **Text Books:**

1. K. Ashwathappa, "Organizational Behaviour", Himalaya Publishing House – 6th Edition (Unit I to V)

## Reference Books:

- 1. L.M. Prasad, "Organizational Behaviour", Sultan Chand & Sons, Fifth Edition 2014
- 2. Keith Davis, "Human Behaviour at Work", McGraw-Hill HigHer Education 11tH Edition, 2015
- 3. Keith Davis, "Human Behaviour at Work, McGraw Hill, Higher Education, 7tH Edition
- 4. Ghos, "Industrial Psychology", Himalaya Publishing House, First Edition, 2015

#### Web Resources:

https://www.slideshare.net/slideshow/organisational-behaviour-eresource/250145878

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Course Outcome		Programme Outcomes										Programme Specific Outcome			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Marketing Management	4	4	4	0	Theory

#### **Course Introduction:**

To provide the students with a basic understanding of marketing issues related to the external Environment and acquire knowledge of the Principe of marketing management. On Successful completion of this course, the students should have understood principles of Marketing Management, Market Segmentation, Product Life Cycle, Pricing, Branding, Service Marketing etc.

**Course Focus on:** Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	Students implicit about the marketing and its various environmental factors
CO 2:	Gained familiarity on buyer behavior and market segmentation promotion
CO 3:	Students learn about various stage in Product Life Cycle
CO 4:	Gained acquaintance in the marketing channels and sales management
CO 5:	Students gained knowledge on advertising and sales

Unit I: [12 Periods]

Marketing – Definition- Marketing Management- Various Concepts in Marketing- Classification of Marketing –Functions of Marketing-Marketing Environment: Various Environmental Factors Effecting Marketing Functions-Market Structure- Importance of Marketing in Developing Countries- Marketing Information System.

Unit II: [12 Periods]

Buyer Behaviour: Buying Motives-Various Factors Influencing Buyer Behaviour-Stages In Buying Decision Marketing Funnel Process-Market Segmentation: Bases For Segmentation-Market Targeting-Differentiating And Positioning the Marketing Offer-Various Positioning Strategies- Channels of Distribution.

Unit III: [12 Periods]

Marketing Mix- The Product-Marketing characteristics-consumer Good S-Industrial Goods-Production Policy- Product Life Cycle (PLC)-Strategies in Various Stages-Product Mix-Product Line-Modification and Elimination-New Product Development: Various Stages in New Product Development-Consumer Adoption Process-Reasons for Failures of New Products.

Unit IV: [12 Periods]

Pricing: Definition-Objectives-Pricing Policies-Factors Influencing Pricing Decisions-Multiproduct Pricing-Adapting the Price- Competitors Action to Price Changes-Marketing Channels-Definitions-Types-Channel Selection-Problems in Selection Of Channel- Management Of Physical Distribution-Marketing Risks

Unit V: [12 Periods]

Branding Decisions: Brand – Brand Image – Brand Identity – Brand Personality – Brand Loyalty –Brand Equity. Marketing Control –Tools and Techniques – Modern Concept in Marketing- Service Marketing-Definition-Features –Importance. Introduction to CRM and Sales force

#### **Text Books:**

- 1.Marketing Management | marketing cases in the Indian context | Fifteenth Edition | By Pearson
- 2. Philip Kotler- Kevin Lane Kella, "Marketing Management", Pearson Education India, Fifteenth Edition 2015.

#### **Reference Books:**

- 1. R. S. N. Pillai & Bagavathi, "Marketing Management", S.Chand & Company Pvt.Ltd, Reprint 2012.
- **2.** V. S Ramaswamy & S. Namakumari, "Marketing Management", McMillan India Limited 3<sup>rd</sup> Editions, 2002.
- **3.** Gupta .C.B & Nair N.Rajan, "Marketing Management", Sultan Chand & Sons, 2<sup>nd</sup> Edition, 1995.
- **4.** V.S. Ramaswamy & Namakumari, "Marketing Management", McGraw Hill Education; 5 edition.

## Web Resources:

https://coschedule.com/marketing/marketing-management/marketing-resource-management

Course Outcome		Programme Outcomes													Programme Specific Outcome		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3		
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1		
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2		
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3		
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2		
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3		

Course Code	С	Credit	Lecture	Tutorial	Practical	Туре
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## **Course Introduction:**

To enable the students to acquire knowledge of Accounting principles and practice. On successful completion of this course, the students should Have understood the basic accounting concepts, double entry book keeping system and various books of accounts.

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will							
CO 1:	Recognize and understand ethical issues related to the accounting profession.							
CO 2:	Prepare financial statements in accordance with Generally Accepted Accounting Principles							
CO 3:	Employ critical thinking skills to analyze financial data as well as the effects of differing financial accounting methods on the financial statements							
CO 4:	Effectively define the needs of the various users of accounting data and demonstrate the ability to communicate such data effectively, as well as the ability to provide knowledgeable recommendations.							
CO 5:	Recognize circumstances providing for increased exposure to fraud and define preventative internal control measures.							
Unit I:	[12 Perio	ods						

Basic Accounting concepts - Kinds of Accounts -Double Entry Book Keeping — Rules of Double Entry System — Preparation of Journal and Ledger Accounts- problems - Subsidiary books - cash book — types of cash book - problems - purchase book - sales book - sales return and purchase return books

Unit II: [12 Periods]

Trial balance - Errors – types of errors - Rectification of errors – problems – Bank reconciliation statement – problems

Unit III: [12 Periods]

Manufacturing - Trading - Profit & Loss Account - Balance sheet. – Problems with simple adjustments

Unit IV: [12 Periods]

Accounting for non-trading institutions-Income & Expenditure Account- Receipts and Payment Accounts and Balance sheet - Accounting for depreciation – methods of depreciation – problems (straight line method and written down value method only), Introduction to functions; Excel chart features

Unit V: [12 Periods]

Preparation of accounts from incomplete records

## **Text Books:**

1. Mohamed Hanif, Amitabha Mukherjee, financial accounting, 2nd edition, 2015

#### **Reference Books:**

- 1. Goyal, v.k., goyal, ruchi, financial accounting, PHI Learnings, 4th edition, Latest edition
- 2. Dr. P.C. Tulsian, "Financial Accounting, 4th Edition", Tata MC Graw Hill, 2011, Delhi.
- 3. V. K. Gupta, Financial Accounting, 5thEdition-Sultan Chand and Sons, 2010, New Delhi.
- 4. Guru Prasad Murthy, Analysis and Interpretation of Financial Statements, Himalaya Publishing House, 2017

## Web Resources:

https://www.blackhallpublishing.com/financialaccounting.htm

Course Outcome		Programme Outcomes												Programme Specific Outcome		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	FINANCIAL SERVICES	4	4	4	0	Theory

#### **Course Introduction:**

This course provides fundamental knowledge on the structure, function and the evolution of financial services. To cover financial intermediaries, financial instruments and the different markets with analytical skills. To understand the importance, structure and operation of the financial system

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	Keep students updated on the latest discourse on practical issues and policies in the new international financial environment.
CO 2:	Aims to help students to appreciate and understand how financial markets and institutions operate
CO 3:	To prepare students with a good understanding of the theoretical foundation of SEBI and Credit Rating
CO 4:	To gain knowledge on Mutual Funds and Merchant Banking
CO 5:	To understand the Factoring and Venture Capital in India
	1000 111

Unit I: [12 Periods]

Financial Services – Meaning – Scope – Causes for Financial Innovation – New Financial Products and Services – Players in Financial Service Sector – Challenges facing the Financial Service Sector

Unit II:	[12 Periods]

Capital Market – Primary Market – Functions – Secondary Market – Functions – Listing of Securities – Advantages of Listing

Unit III: [12 Periods]

SEBI – Functions – Powers – Guidelines – Foreign Institutional Investors (FIIs) – Bonus Issue – Rights Issues – Debentures – Underwriters – Book Building - Credit Rating – Meaning – Functions – Benefits

Unit IV: [12 Periods]

Mutual Funds – Introduction – Meaning and Definitions – Types – Selection of a Fund – Mutual Funds in India – Reasons for Slow Growth. Merchant Banking – Definition – Origin – Meaning – Function – Services of Merchant Banks

Unit V: [12 Periods]

Factoring – Introduction – Meaning – Definition – Functions – Types – Benefits – Factoring in India. Venture Capital – Introduction – Meaning – Features – Importance – Venture Capital in India

#### **Text Books:**

M.Y.Khan, Financial Services, Edition, Tata McGraw Hill

## **Reference Books:**

Nalini Prava Tripathy, Financial Services, Prentice Hall of India

## **Web Resources:**

**CO4** 

**CO5** 

https://www.phindia.com/Books/BookDetail/9788196378974/financial-markets-financial-institutions-and-financial-services

Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome: Course **Programme Specific Programme Outcomes** Outcome Outcome PO1 PO<sub>2</sub> **PO3 PO5 PO6 PO9** PO10 **PO11** PO4 **PO7 PO8 PO12** PSO<sub>1</sub> PSO<sub>2</sub> PSO<sub>3</sub> CO1 CO2 CO3 

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Supply Chain Management	4	6	6	0	Theory

## **Course Introduction:**

To enable the students to acquire knowledge of production processes and Materials Management. On successful completion of this course, the students should have understood the principles, functions and process of Production Management and effective Management of Materials

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will						
CO 1:	Acquired knowledge on production process and design for plant location and understanding the over view of Supply Chain Management and Logistics	d					
CO 2:	Gained knowledge of using the Material Handling equipment, Plant Maintenance and Work study						
CO 3:	To understand the in depth knowledge of functions of materials Manageme	nt					
CO 4:	Students learnt the techniques of production and inventory control techniques						
CO 5:	Acquired knowledge on the Quality Management						
Unit I:		[12 Periods					

Production Management - Functions - Scope - Plant location - Factors - Site location - Plant layout - Principles - Process - Product layout. Production plans and controls - Principles - Meaning - Routing - Scheduling - Dispatching - Control - . Over view of Supply Chain Management and Logistics

Unit II: [12 Periods]

Materials Handling - Importance - Principles - Criteria for selection of material Handling equipment. Maintenance - Types - Breakdown - Preventive - Routine - Methods study – Time study - Motion study

Unit III: [12 Periods]

Organization of Materials Management - Fundamental Principles — Structure. Purchasing procedure - principles - import substitution and import purchase procedure. Vendor rating - Vendor development

Unit IV: [12 Periods]

Function of Inventory - Importance - Tools - ABC, VED, FSN Analysis - EOQ - Reorder point-Safety Stock - Lead time Analysis. Store keeping - Objectives - Functions - Store keeper — Duties — Responsibilities, Location of store - Stores Ledger - Bin card

Unit V: [12 Periods]

Quality Management – Fundamentals – Planning for Quantity – Quality Process – Statistical Process Control (SPC) – Quality Assurance – Total Quality management. Bench Marking: Meaning - objectives – advantages. ISO: Features - Advantages - Procedure for obtaining ISO

## **Text Books:**

K. ASWATHAPPA and K. Shridhara Bhat, Production And Operations Management, Himalaya Publishing House Pvt. Ltd. 2015

## **Reference Books:**

- 1. S N Chary, Production and Operations Management, 6th edition, McGraw-Hill, , 2019
- 2. B. Mahadevan, Operations Management, Pearson, 3rd edition, Education India, , 2015
- 3. R. Panneerselvam, Production and Operations Management, 3rd edition, Prentice Hall, 2003
- 4. E.S. Buffa; Modern Production Management, John Wiley Edition. 2002
- 5. D.D. Sharma; Total Quality Management, Sultan Chand & Sons, Edition. 2002

## Web Resources:

https://mu.ac.in/wp-content/uploads/2021/02/Logistics-and-Supply-Chain-Management-Sunil-Chopra-1.pdf

Course Outcome		Programme Outcomes Programme Specific Outcome														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

Semester 4					
Course Code	C Cr c e u di s t e T i t	Lecture	Tutorial	Practical	Туре
	Cigital Narketi	4	4	0	Theory

Admitted in BBA	(CA) from the academic year 20	)24-2025 Onw			Regulations 2024				
		n							
includes all t which states	eting course syllabus can the topics required to beg and prescribes on how to	in your jou use your ta	irney toward lent in the be	s digital mark st way possibl	eting, and Mai e.				
Course Focus	s on: Skill Development / E	•		yability / Rese	earch				
Outcomes	On completion of this cou	ırse, studer	nts will						
CO 1:	To understand about the	Digital Mar	keting						
CO 2:	To understand Planning a	ınd Creating	g a Website a	nd Search Eng	ine Optimization	on (SEO)			
CO 3:	To understand Search Engine Marketing (SEM) and Social Media Marketing								
CO 4:	4: To understand Content Strategy, Web Analytics and Email Marketing								
CO 5:	To understand E-Commerce Management								
Unit I:		Introducti	on to Digital	Marketing		[12 Periods]			
analyses of D	I for success for businesse Digital marketing				ncrease sales –	·			
Unit II:	s	earch Engii	ne Optimizati	on (SEO)		[12 Periods]			
Preparing Re	e Optimization (SEO): On peports, Creating Search Caduction to Social Media Ma	mpaigns, C	reating Displa	ay Campaigns	. Social Media	Techniques,			
Unit III:		Search En Marketing	_	ng (SEM) and	Social Media	[12 Periods]			
Creation, Apple - Demograph Social Media Networking	ne Marketing (SEM) Introduced proval & Extensions - Site hic Targeting/Bidding. Con Marketing: Definition of Video Creation & Sharing	Targeting - cept of Pay of Social M g - Use of I	Keyword Tar per click edia Marketi Different Soci	geting - CPC, ng & Social M al Media Platf	CPA & CPM Ba	sed Accounts ing - Social ent Creation			
Unit IV:		Web Anal	ytics and Em	ail Marketing		[12 Periods]			
	ffic Analysis, Affiliate Ma t, EMail Marketing, Affiliat	_	_	-	•	•			
Unit V:		E-Comn	nerce Manag	ement		[12 Periods]			
- Inventory I	t of E-Commerce Store - E Management - Product Ke Website - Selling, Packagir	yword Rese	earch - Supp			e Marketing			
I CAL DOURS.									

- 1. Ryan Deiss & Russ Henneberry, Digital Marketing for Dummies
- 2. Jay Baer , Youtility

#### **Reference Books:**

- 1. Joe Pulizzi Epic Content Marketing
- 2. David Meerman Scott New Rules of Marketing and PR
- 3. Derek Thompson Hit Makers: The Science of Popularity in an Age of Digital Distraction
- 4. Seth Godin Permission Marketing
- 5. Jan Zimmerman, Deborah Ng Social Media Marketing All-in-one Dummies
- 6. Eric Enge, Stephan Spencer, Jessie Stricchiol The Art of SEO

## Web Resources:

https://www.digitalmarketer.com/digital-marketing/assets/pdf/ultimate-guide-to-digital-marketing.pdf

Course Outcome		Programme Outcomes Programme Specif Outcome														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Human Resource Management	4	6	6	0	Theory

#### **Course Introduction:**

To enable the students to acquire knowledge of Human Resource Management. On successful completion of this course, the students should Have understood functions of HRM, Human Resource Planning, Recruitment and Selection, Performance Appraisal, Training and Development etc.,

**Course Focus on:** Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	Acquired knowledge on HRM, its environment, methods of selection, and Interview techniques.
CO 2:	Gained knowledge on training and career development
CO 3:	Students learnt about remuneration and welfare measures.
CO 4:	Gained facts about labour relation and Industrial disputes
CO 5:	Students learnt about Human resource audit, nature and approaches

Unit I: [12 Periods]

Human Resource Management - meaning, nature, scope and objective — Functions of HR Department - The Role of Human Resource Manager - Organisation of HR department — Human Resource Policies and Procedures — Principles of HRM — HRM activities

Unit II: [12 Periods]

Manpower planning - Job description - Job analysis - Role analysis - Job specification - Recruitment and Selection - Training and Development

Unit III: [12 Periods]

Performance appraisal - Job evaluation and merit rating - Promotion - Transfer and demotion - Human relations - approaches to good Human relations - Punishment

Unit IV: [12 Periods]

Wages and Salary Administration - Incentive System - Labour Welfare And Social Security - Safety, Health And Security - Retirement Benefits To Employees

Unit V: [12 Periods]

Industrial Relations - Trade Unionism - Grievance Handling – Collective Bargaining and Worker's Participation In Management

## **Text Books:**

V.S.P.Rao, "Human Resources of Management", Sultan Chand Publishing, Revised Edition, 2016. (Unit I to V)

## **Reference Books:**

- 1. Tripathy, "Personnel Management and Industrial Relations", 21st Edition, 2013
- 2. R. Wayne Mondy, "Human Resource Management", Pearson Publications, 10th Edition 2011
- 3. Gary Dessler, "Human Resource Management", Pearson Publications, 12tH Edition 2012
- 4. C. B. Gupta, "Human Resource Management", Sultan Chand & Sons, 14tH revised Edition 2012

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# 5. L. M. Prasad, "Human Resources Management" Sultan Chand & Sons, 3rd Edition, 2014

## Web Resources:

https://ecampusontario.pressbooks.pub/humanresourcesmgmt/

Course Outcome		Programme Outcomes												Programme Outcomes Programme Sp Outcome			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3		
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1		
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2		
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3		
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2		
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3		

<b>Course Code</b>	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Research Methods for Management	4	6	6	0	Theory

#### **Course Introduction:**

To enable the students to acquire knowledge of Research. On successful completion of this course, the students should have understood Research methods and sampling techniques, Analysis and interpretation of data, Application of research

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	To understand the different types of research and the needs of educational research
CO 2:	To knowledge concept of variables and hypotheses, their nature, importance and types
CO 3:	To Identify the important conditions conducive to the formulation of hypotheses
CO 4:	To define the term population, sample and describe the steps involved in the process of sampling
CO 5:	Ability to writing of report for a research reports project

Unit I: [12 Periods]

Introduction – Meaning of Research; Objectives of Research; Types of Research; Research Process; Research Problem formulation

Unit II: [12 Periods]

The Design of Research-Research Design; Features of a Good design; Different Research Designs; Measurement in Research; Data types; Methods of Data collection- Sources of Error-Test of sound instrument

Unit III: [12 Periods]

Sampling Design- Census & Sample Surveys; Steps in Sampling Design; Types of Sample designs-Probability & Non Probability sampling

Unit IV: [12 Periods]

Processing & Analysis of Data- Processing operations; problems in processing; types of analysis Hypothesis Testing- Chi-square test, Z test, t-test, f-test

Unit V: [12 Periods]

Presentation- Diagrams; graphs; charts. Report writing; Layout of Research report; Types of Reports; Mechanism of writing a Research report; Precaution for writing report. An Introduction to SPSS

#### **Text Books:**

Research Methodology – Methods & Techniques – C.R. Kothari and Gaurav Garg – New Age International. 2009

#### **Reference Books:**

- 1. Research Methodology Dr. Pawankumaroberoi Global Academic Publishers 2015
- 2. Business Research Methods T. Raju and R. Prabhu MJP Publishers 2010
- 3. Research Methodology Dipak Kumar Bhattacharyya Excel Books 2013
- 4. Dr. S.M. Venkatachelam & M.Murali, "Basics of Business Research", Mithila Publications

## Web Resources:

https://www.cambridge.org/core\_title/gb/289640

Course Outcome					Pı	ogram	me Ou	tcomes	5				Pro	gramme Outcor	-
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Course Code	Со	Credit	Lecture	Tutorial	Practical	Туре
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## **Course Introduction:**

To enable the students to acquire knowledge on concepts of strategic management. On successful Completion of the course the students will be able to understand the environment, strategic decision making etc.

**Course Focus on:** Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	Analyze industry factors, and identify their impact on profitability and strategic positioning
CO 2:	Gain knowledge about the SWOT analysis and its need in the day to day life for the evaluation.
CO 3:	Identify strategic capabilities and gaps
CO 4:	Analyze strategic macro environmental issues
CO 5:	Analyze and implement strategy at the single business unit level

Unit I: [12 Periods]

Introduction- concept of Strategy – Need – Dimensions - Strategic Planning - Process- Benefits — Strategic vision – Corporate Mission – Objectives – Goals – Social Responsibility – Business ethics – Linking Strategies with ethics

Unit II: [12 Periods]

Environmental analysis – Need – Scanning – Approaches – Forecasting – Techniques. Internal Analysis – Need – SWOT analysis – Value Chain – Functional Analysis – Grid approach – Criteria for evaluating internal capabilities

Unit III: [12 Period
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Strategic Decision framework – Developing alternatives – Strategy Options – Porter's five force Model Diversification strategies – Retrenchment Strategy – Factors Influencing Strategy – Generic Strategy – Cultural Context Of Strategy – McKinsey's 7S Model-9 Cell Matrix

Unit IV: [12 Periods]

Core Competencies — Building Core Competencies — Managing Strategic Change — Strategic Change Process - International Strategic Management And Domestic Strategic Management

Unit V: [12 Periods]

Implementation – Role of top management – Process – Matching Structure of strategy – Resource allocation – Planning and Controlling system. Building Strategic Supportive Corporate Culture Strategic Advantage – Feedback

## **Text Books:**

Y. S. Abu - Mostafa, M. Magdon-Ismail, and H.-T. Lin, "Learning from Data", AMLBook Publishers, 2012

#### **Reference Books:**

- 1. VS Ramaswamy & S.Namakumari, Strategic Planning Formulation of Corporate Strategy, Macmillan Business Books, 2008
- 2. John A Pearce, Richard B Robinson, Strategic Management, McGraw Hill Higher Education; 12th Revised Edition, 2003
- 3. Strategic Management: The Indian Context, R. Srinivasan, 5th Edition, PHI Learning, 2014
- 4. Strategic Management: Concepts and Cases: Competitiveness and Globalization, by Hitt -12th edition, Cengage Learning, 2017

## Web Resources:

https://vtechworks.lib.vt.edu/bitstream/handle/10919/99282/Strategic-Management.pdf

Course Outcome					Pı	rogram	me Ou	tcomes	5				Programme Specific Outcome			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Management information system	4	4	4	0	Theory

## **Course Introduction:**

This course Provide students with comprehensive knowledge and technical skills needed to successfully participate in and support the increasingly applied role of information technology in corporate decision making and enable students to conceptualize and manage the specification, design and implementation of applied information systems. Develop technical knowledge and skills required to work effectively in a profession.

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On successful completion of this course, students will be able to:
CO 1:	Apply modern tools, techniques and technology in a functional and productive manner
	in Professional Activities.
CO 2:	Analyze, Design, Construct, Implement and Maintain, Usable, Reliable and Cost- Effective Information Systems (IS) that support Operational, Managerial and Strategic activities of Organizations.
CO 3:	Study and evaluate existing manual and automated business processes and identify opportunities for re-engineering and/or automation.
CO 4:	Coordinate confidently and competently with the user community in IS requirements analysis/design activities, provide guidance and technical support to end user computing activities.
CO 5:	Analyze the impact of computing on individuals, organizations and society, including ethical, religious, legal, security and global policy issues.

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Unit I:	INTRODUCTION TO INFORMATION SYSTEMS	[12
		Periods]
Introduction to Information System	s - Definition - Features - Steps in Implementing MI	IS - Need for
Information - Information System for	Decision Making - MIS as Competitive Advantages – M	IIS structures.
Unit II:	MIS FUNCTION	[12
		Periods]
MIS - Strategic information system -	MIS support for Planning - Organizing – Controlling - M	IS for specific
functions - Personnel, Finance, Mar	keting, Inventory and Production. Data Base Manage	ment System
Models - Hierarchical - Network – Re	lational.	
Unit III:	HARDWARE AND SOFTWARE	[12
		Periods]
Computer Hardware - Description of	Electronic Computers – CPU operations - Classification	of Computers
- Main - Mini - Workstations - Micr	o Computers – Super Computers - Personal Compute	rs. Computer
Software - Types of Software - Data	Representation in Computers. Introduction to Client - S	erver.
Unit IV:	INPUT AND OUTPUT DEVICES	[12
		Periods]
Input devices - mouse - touch screen	s - MICR - OCR - keyboard - pen based Input - digital sca	anners - voice
to be the desidence of a consequence of the contract of a contract of the cont	and increase entire and a continuous transfer of the discolu	

input devices - mouse - touch screens - which - och - keyboard - peri based input - digital scaliners - voice input devices - sensors. Output devices - impact printers - nonimpact printers - video display terminals - plotters - voice output devices. Secondary storage devices - magnetic disk, floppy, magnetic tape, optical disk storage – CD-ROM.

Unit V: TELECOMMUNICATION REVOLUTION [12 Periods]

Telecommunication revolution - Introduction to Email, internet, intranet and teleconferencing, www architecture, Introduction to E-Commerce - models B\_B and B\_C. EDI - EDI applications in business. Electronic payment of cash: smart cards - credit cards.

## **Text Books:**

Y. S. Abu - Mostafa, M. Magdon-Ismail, and H.-T. Lin, "Learning from Data", AMLBook Publishers, 2012

#### **Reference Books:**

- 5. VS Ramaswamy & S.Namakumari, Strategic Planning Formulation of Corporate Strategy, Macmillan Business Books, 2008
- 6. John A Pearce, Richard B Robinson, Strategic Management, McGraw Hill Higher Education; 12th Revised Edition, 2003
- 7. Strategic Management: The Indian Context, R. Srinivasan, 5th Edition, PHI Learning, 2014
- 8. Strategic Management: Concepts and Cases: Competitiveness and Globalization, by Hitt -12th edition, Cengage Learning, 2017

#### Web Resources:

https://repository.dinus.ac.id/docs/ajar/Kenneth C.Laudon,Jane P .Laudon - Management Information Sysrem 13th Edition .pdf

Course Outcome		Programme Outcomes Programme Specific Outcome													1	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	

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	CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
Ш	CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

## **SKILL ENHANCEMENT COURSES**

#### Semester 1

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Modern office	4	1	4	0	Theory
	Management	4	4	*	O	THEOLY

## **Course Introduction:**

To enable the students to acquire knowledge on basic office communication and familiar with tools for office management.

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

CO 1: Able to gain knowledge about basic office.  CO 2: Identify the characteristics of office environment
CO 2: Identify the characteristics of office environment
CO 3: Apply the techniques of filing and maintain the records
CO 4: Comprehend the basic of word formatting
CO 5: Equip with the skills of creating presentations

Unit I: [12 Periods]

Office Management and organization Pasis concents of office – Importance – Functions – size of the office

Office Management and organization Basic concepts of office – Importance – Functions – size of the office – office management – relations with other departments – scientific office management – office manager

- principles of office organization – types / systems of organization – charts – centralization Vs. decentralization.

Unit II: [12 Periods]

Office Environment & Communication Office location – characteristics / Qualities of office building – Environment – Physical – hazards in office safety – security – secrecy – communication – meaning – essential features – classification – barriers to communication.

Unit III: [12 Periods]

Office correspondence & Record management Centralized Vs Departmental correspondence – depart mental typing and typing pools – classification of records – principles of record keeping – filling – methods.

Unit IV: [12 Periods]

MS Word:— Word basics, formatting text and documents, working with headers, footers and footnotes, tabs, tables and sorting, Working with graphics, templates, and introduction to mail merge. MS Excel:-Excel basics, rearranging worksheets, excel formatting tips and techniques, Introduction to functions; Excel chart features, working with graphics, Using worksheet as a Database.

Unit V: [12 Periods]

MS Power Point: Power Point basics, creating presentation the easy way, working with graphics, Inserting various objects (Picture, Organizational Chart, Audio, Video etc) in slide, Adding Animation effects in slide.

#### **Text Books:**

1. R S N Pillai & Bagavathi, Modern Office Management, S Chang publishing, 2018

## **Reference Books:**

- 1. Melton, Beth et al., Microsoft Office Professional 2013 Step by Step, PHI learnings, 2013
- 2. Sudhir Andrews, Front Office Management & Operations, McGraw hill, Latest edition

## Web Resources:

https://www.slideshare.net/slideshow/office-management-141454070/141454070

<u> </u>																
Course Outcome		Programme Outcomes Programme Specific Outcome														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Internet and web designing	4	5	5	0	Theory

# **Course Introduction:**

To know the fundamentals of Internet and Web based Language and its features

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On successful completion of this course, students will be able to:
CO 1:	Understand the basics of Internet and Its Protocol
CO 2:	To Learn about E mail and its features
CO 3:	To Learn about HTML Language and its features
CO 4:	To understand the HTML and application
CO 5:	To Understand the DHTML and application

Unit I: [12 Periods]

Internet basics – Internet Address – Domain names – Browsers – search Engine – Connecting to the internet – installing and configuring a modem – creating a connection profile – changing the default connection

Unit II:	[12 Periods
Unit II:	[12 Period

Working with E-Mail – running an email program – sending , reading , replying deleting and exiting mail – sending files via email - attaching a signature – managing an address book

Unit III: [12 Periods]

Introduction to HTML - information file creation – web server – web client / browser - HTML – commands – title – footer – paragraph breaks – line breaks – heading style – spacing – centering – Font size and color

Unit IV: [12 Periods]

List – Types of list – Adding graphics to HTML document – Using width, height, alignment and alternative attributes – tables – header rows – data rows – caption tags – cell spacing - BG color – rows span – cplspan attributes – Links – internal and external document reference – Images as hyper links

Unit V: [12 Periods]

Introduction to DHTML - cascading style sheets – color and background attributes – text attributes – border attributes – marginal related attributes – list attributes – class – external style sheet

#### **Text Books:**

Web Technology –A Developers Perspective –N P Gopalan, J Akilandeswari, Prentice Hall of India Pvt. Ltd., New Delhi, 2008

#### **Reference Books:**

- 1. (Unit 1,2) Internet compete
  - Maureen Adams, Sherry Bonelli
  - BPB Publications 1998.
- 2. (Unit 3,4,5) Web enabled commercial application development using HTML,DHTML, Java Script, PerlCGI.
  - Ivan Bayross
  - BPB Publications 2000.
- 3. Mastering Javascript, J Jaworkski, BPB Publications, 1999.
- 4. Core SERVLETS AND JAVA SERVER PAGES VOLUME 1: CORE TECHNOLOGIES By Marty Halland Larry Brown Pearson, Pearson Education India

# Web Resources:

https://bcomcasnmv.files.wordpress.com/2020/01/internet-and-web-designing-study-material-unit-i-v-2015.pdf

Course Outcome					Pi	rogram	me Ou	tcomes	5				Programme Specific Outcome		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Type
	Introduction to python with data science	4	6	6	0	Theory

# **Course Introduction:**

This course enables the students to Develop a solid understanding of Python programming, from basic syntax to advanced concepts. Learn to manage, manipulate, and analyse data using powerful Python libraries. Gain the ability to perform thorough exploratory data analysis, uncovering patterns and insights.

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On successful completion of this course, students will be able to:
CO 1:	Understand the basics of Python programming and its environment
CO 2:	Understand and implement iterators and generators for optimized performance.
CO 3:	To Understand a variety of plots using Matplotlib and Seaborn.

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CO 4:	To understand data transformations and analyze feature correlations.
CO 5:	Understanding the unsupervised learning algorithms for clustering and dimensionality reduction.

Unit I: Introduction to Python [12 Periods]

History of Python, Need of Python Programming, Applications Basics of Python Programming Using the REPL(Shell), Running Python Scripts, Variables, Assignment, Keywords, Input-Output, Indentation

Unit II: Types, Operators and Expressions [12 Periods]

Types - Integers, Strings, Booleans; Operators- Arithmetic Operators, Comparison (Relational) Operators, Assignment Operators, Logical Operators, Bitwise Operators, Membership Operators, Identity Operators, Expressions.

Unit III: Data Structures and Control Flow [12 Periods]

Lists, Operations, Slicing, Methods, Tuples, Sets, Dictionaries, Sequences, Comprehensions, Conditional blocks using If, Else and El-if, For Loop, For loop using Ranges, String, list and Dictionaries, While Loop, Loop Manipulation using Pass, Continue, Break and Else

Unit IV: Functions Modules and Packages [12 Periods]

Defining Functions, Calling Functions, Passing Arguments, Keyword Arguments, Default Arguments, Variable-length arguments, Anonymous Functions, Function Returning Values, Scope of the Variables in a Function - Global and Local Variables. Creating modules, Name Spacing, Introduction to PIP, Installing Packages via PIP, Using Python Packages.

Unit V: Object Oriented Programming & Exception [12 Periods]
Handling

Classes, Self-Variable, Methods, Constructor Method, Inheritance, Overriding Methods, Data Hiding, Difference between an Error and Exception, Handling Exception, Try Except Block, Raising Exceptions, and User Defined Exceptions.

# **Text Books:**

R.Nageswara Rao, 2018, Core Python Programming, Dreamtech.

# **Reference Books:**

- 1. John Hearty, 2016, Advanced Machine Learning with Python, Packt.
- 2. Jake VanderPlas, 2016, Python Data Science Handbook: Essential Tools for Working with Data, O'Reilly.
- 3. Mark Lutz, 2010, Programming Python, O'Reilly.
- 4. Tim Hall and J-P Stacey, 2009, Python 3 for Absolute Beginners, Apress

### Web Resources:

https://nibmehub.com/opac-service/pdf/read/Introduction%20to%20Data%20Science-%202017.pdf

Course Outcome					Pi	rogram	me Ou	Programi Outcomes Out					gramme Outcon		
	PO1	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO1									PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Semester 6						
Course Code	d	Credit	Lecture	Tutorial	Practical	Type
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	ļЧ	4	6	6	0	Theory
	n					

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e n t a I s C f E U s i n e s s A n a I y t i c			
t a I s o f E u s i n e s s s A n a I y t i c			
t a II s c f E U s i r e s s s A r r a II y t i i c c			
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#### **Course Introduction:**

The role of Business analytics in the business can be understood by the students after completing this course. Students can gain the knowledge about the Machine learning and Advanced excel and R programming also.

# Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course	On successful completion of this course, students will be able to:
Outcomes	
CO 1:	Understanding the Role of Business Analyst and Data Science in business
CO 2:	Understanding the basic concept of data management and data mining techniques
CO 3:	To understand the basic concept of machine learning
CO 4:	To understand the application of business analysis
CO 5:	Understanding the basic concept of Data Science Project Life Cycle.

Unit I: [12 Periods]

Introduction: Business analytics meaning and definition - Historical Overview of data analysis, Data Scientist vs. Data Engineer vs. Business Analyst, Career in Business Analytics. Data science meaning and definition, Importance and objectives of Data Science, Applications for data science, Data Scientists Roles and Responsibility

Unit II: [12 Periods]

Data: Data Collection, Data Management, Big Data Management, Organization/sources of data, Importance of data quality, Dealing with missing or incomplete data, Data Visualization, Data Classification

Data Science Project Life Cycle: Business Requirement, Data Acquisition, Data Preparation, Hypothesis and Modeling, Evaluation and Interpretation, Deployment, Operations, Optimization

Unit III: [12 Periods]

Introduction to Data Mining, The origins of Data Mining, Data Mining Tasks, OLAP and Multidimensional data analysis, Basic concept of Association Analysis and Cluster Analysis

Unit IV: [12 Periods]

Introduction to Machine Learning: History and Evolution, Al Evolution, Statistics Vs Data Mining Vs, Data Analytics Vs, Data Science, Supervised Learning, Unsupervised Learning, Reinforcement Learning, Frameworks for building Machine Learning Systems

Unit V: [12 Periods]

Application of Business Analysis: Retail Analytics, Marketing Analytics, Financial Analytics, Healthcare Analytics, Supply Chain Analytics. Roles of Business Analyst to convert the customer requirement into Product and Agile and scrum in Product Management

# **Text Books:**

Introduction to Business Data Analytics, International Institute of Business Analytics

# **Reference Books:**

- 5. Acharya Seema, Fundamentals of Business Analytics, Wiley India Pvt. Ltd
- 6. Evans, J.R. (2013), Business Analytics: Methods, Models, and Decisions, 3rd ed. Pearson India
- 7. Davenport, T.H. and Harris, J.G. (2007) Competing on Analytics: The New Science of Winning,1st ed. Harvard Business Review Press

# Web Resources:

https://www.gerkoole.com/IBA/downloads/IBA Koole first chapters.pdf

Course Outcome					Pı	rogram	me Ou	tcomes	3				Programme Spe Outcome			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

# **ABILITY ENHANCEMENT COURSES**

Semester 2						
Course Code	C u s e T	Credi t	Lecture	Tutorial	Practical	Туре
	t I e					
	ロ田の10~T+-~K-~0	2	2	2	0	Theory

# **Course Introduction:**

To impart knowledge on adopting principles of design thinking and to mainly understand the core concepts of design thinking which includes (a) Empathy (b) Brainstorming (c) Prototyping (d) Storytelling

Cours	se Focus on: Skill Develo	pment / Entrepreneurship / Employability / Researc	h				
Course Outcomes	On completion of this of	course, students will					
CO 1:	Gain Knowledge on the	e principles of design thinking					
CO 2:	Frame design and design						
CO 3:	Solve problems by expl						
CO 4:	Generate ideas and dev	velop concepts					
CO 5:	Understand design thir	nking integration in organizations					
Unit I:		DEFINITION AND THE PERSPECTIVE ON DESIGN THINKING PROCESS	[12 Periods]				
		of design thinking and designers - The modes of thorinciples and other methods.	inking - Design				
Unit II:		FORMATION OF COMPLEXITIES AND BUILDING STRATEGY FOR ORGANIZATIONS	[12 Periods]				
A powerful way to use data (data collection) - Frame design and generate design Thinking strategy to reframe the complexities with capability: Formation of the problem for the organizations - creation of design thinking strategy and capability (structure, culture, skills, process) - to reduce risk and enable performance.							
Unit III:		PROBLEM SOLVING BY EXPLORING TOOLS	[12 Periods]				
Explore: Disc assessment.	cover challenges - inter	pret through empathy study- Empathy study tools	- perform risk				
Unit IV:		IDEA GENERATION AND DEVELOPMENT OF CONCEPTS	[12 Periods]				
		a workable solution - perform risk assessment. C ck - perform financial analysis of the solution and ris					
Unit V:		DESIGN THINKING SETUP WITHIN FIRM AND DEVELOPMENT SERVICE	[12 Periods]				
Evolve: Design thinking integration in organizations - Success factor and measure the solution. Design for effective services: Developed Product vs. Development services - service development – experience lifecycle.							
Text Books:							
	Vienna, M., Vienna, Y., K. Adler, I., Lucian, B. and Russo, B., 2012. Design Thinking Business Innovation. 1st ed. Rio de Janeiro: MJV Press, pp. 1-85. 2. Ling, D., 2015						
Reference Books:							
	esign Thinking Guide For nt Publishing Platform, p	r Successful Professionals. 1st ed. Singapore: Create p.1-183	Space				
Web Resour	ces:						

https://www.rcsc.gov.bt/wp-content/uploads/2017/07/dt-guide-book-master-copy.pdf

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ı	Outcome	Programme Outcomes	Outcome	l

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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	ENTREPRENEURSHIP DEVELOPMENT	4	4	4	0	Theory

#### Course Introduction:

To make the students aware of the importance of entrepreneurship opportunities available in the society and to acquaint them with the challenges faced by the entrepreneur

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will	
CO 1:	Define who is an Entrepreneur and what his or her characteristic features are make them successful and what qualities are required to become an Entrepr	
CO 2:	Foster the students in the areas of entrepreneurial growth and equip with d Entrepreneurial development programmes	ifferent
CO 3:	Project management is a powerful discipline in the core areas of project life of know about the roles and responsibilities of a project manager	cycle and to
CO 4:	Project identification and selecting the successful project with the various issued by the authorities	s guidelines
CO 5:	Classify the various sources of business finance and identify the different insti supporting entrepreneurs	tutions that
Unit I:	CONCEPT OF ENTREPRENEURSHIP	[12 Periods]

Meaning of Entrepreneurship – characteristics, functions and types of entrepreneurship – Green Entrepreneurs – Digital Entrepreneurs – Entrepreneurial Motivation – Need for Achievement Theory–Risk taking Behaviour–Innovation and Entrepreneur–Role of entrepreneurship in economic development.

# Unit II: POLICY & INSTITUTIONAL ECOSYSTEM FOR ENTREPRENEURSHIP [12 Periods]

Factors affecting entrepreneur growth -Economic—Non-economic. Entrepreneurship Development Programmes- Need - Objectives -Course contents — Phases - Evaluation. — Institutional support to entrepreneurs.

# Unit III: BUSINESSPLAN [12 Periods]

Introduction to Small Business: Evolution & Development–Meaning– Concepts – Categories – Characteristics of small business – Role, importance and responsibilities of small business. Business Ideas – Sources and incubating; Technical Assistance for small business – Preparation of Feasibility Reports, Legal Formalities and Documentation

# Unit IV: PROJECT IMPLEMENTATION [12 Periods]

Business Plan – Outline – Components – Marketing strategy for small business – Market Survey–Market Demands–Sales forecast – Competitive Analysis–The marketing plan –Marketing Assistance through government channels–Risk Analysis–Break even analysis

# Unit V: ENTREPRENEURIAL FINANCE [12 Periods]

Start-up costs – The financial Plan – Source of finance for new ventures – small business Institutional finance supporting SSIs –Bounties to SSIs –Venture Capital –basic start-up Problems – Need for Angel investors.

#### **Text Books:**

- 1. Khan M.A- Entrepreneurship Development Programmes in India, Delhi, Kanishka Publishing House.
- 2. Mead, D.C.& Liedholm, C. The dynamics of micro and small enterprises in developing countries (1998)

# **Reference Books:**

# Web Resources:

http://repository.stikesrspadgs.ac.id/56/1/Enterpreneurship%20for%20everyone-257hlm.pdf

**Mapping of Course Outcome with Programme Outcome and Programme Specific Outcome:** 

Course Outcome					Pi	rogram	me Ou	tcomes	5				Pro	gramme Outcon	-	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

# Semester 4

Course Code   Couse Title   Credit   Lecture   Tutorial   Practical   Type
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Regulations 2024

		Block chain Fundamentals	4	5	5	0	Theory		
Course Intro	duction								
This subject	covers th	ne details of Block ch	ain and its v	arious applio	ations				
Course Focu	<b>s on:</b> Ski	ll Development / Ent	repreneursl	nip / Employa	bility / Resea	rch			
Course	On con	npletion of this cours	e. students	will					
Outcomes		•	•						
CO 1:		rstand Blockchain and							
CO 2: Understand the Bitcoin details									
CO 3:	Stude	nts will be familiar w	ith blockcha	ain and crypto	ography basic	S.			
CO 4:		nts will learn how thi	is system w	orks and how	can they util	ize and wha	t		
		ation can be build.							
CO 5:	Build	their own applicatior	n using the I	earned conce	epts.				
Unit I:							[12		
							Periods]		
		duction to Block ch	•			ure of Bloc	kchain – Data		
	Block ch	ain – Data Distributio	on in block o	chain – Block	Validation				
Unit II:							[12		
What is Dit	: l	lists of Ditesia	Ditasia		+la a'u a+a u'a a	عنام سامان	Periods]		
		History of Bitcoin — Mining —Value of Bi					Join Works: -		
Unit III:	bitcoiii	Willing Value of Bi	tcom Auv	antages and i	Disadvantage	<u> </u>	[12		
Ome m.							Periods]		
Introduction	-Public	key cryptography an	d crypto-cu	rrency - Priv	ate and Publi	c Keys 63 P	_		
Public Keys -			, ·	•		•			
Unit IV:							[12		
							Periods]		
		be the part of ethe	ereum – Da	pp –Compor	ents of Eth	ereum – Cr	yptocurency –		
Hyperledger	•	1							
Unit V:							[12		
	=		111				Periods]		
	· Mist – T	ruffle- Embark – Soli	aity – Multi	cnain					
Text Books:	.:	tian DIOCK CHAIR	F DOOK						
		tion – BLOCK CHAIN I	F-ROOK						
Reference B		oring Ditcoin, Unleaki	ing Digital C	runtacurrana	ios				
Web Resour		ering Bitcoin: Unlocki	ing Digital C	yptocurrenc	162				
		s websito-							
	https://assets.website-files.com/622c09eb9c589f58e1ea86da/624b5f643eed1a7a51f05a36 Insight-Into-The-World-Of-								
	Blockchain-By-Cybrosys-Technologies.pdf								
<u> </u>		, , , , , , , , , , , , , , , , , , , ,	<u> </u>						
Mapping of	Course C	Outcome with Progra	mme Outco	ome and Pro	gramme Spec	ific Outcom	e:		
Course		Dro	ogramme Out	comes		Р	rogramme Specific		
Outcome							Outcome		
	PO1   PO	2 PO3 PO4 PO5	PO6   PO7	PO8   PO9   F	PO10   PO11	PO12 PSO	L PSO2 PSO3		

Rathinam College of Arts & Science (Autonomous), Coimbatore-21.

Admitted in BBA (CA) from the academic year 2024-2025 Onwards

Regulations 2024

CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Fundamentals of Artificial Intelligence	4	6	6	0	Theory

# **Course Introduction:**

This course presents the problem solving and AI, search methods and expert systems. Enable the student to be familiar with theorems and algorithms

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	To discover global market opportunities and their influence on strategic marketing decisions
CO 2:	Exhibit critical thinking skills in understanding managerial issues and problems related to the global economy and international business
CO 3:	Disseminate a sense of social responsibility that managers must address, including business ethics, cultural diversity, and environmental concerns
CO 4:	Demonstrate entrepreneurial traits to start and manage their own innovative business successfully
CO 5:	To discover global market opportunities and their influence on strategic marketing decisions

Unit I: [12 Periods]

Problem solving and AI – Puzzles and Games – Problem States and operators – Heuristic programming – state space representations

Unit II: [12 Periods]

State space search methods – breadth first and dept h first search – heuristic – admissibility – optimality of algorithms

Unit III: [12 Periods]

Problem reduction search methods – cost of solution trees – ordered search – alpha beta and minimum procedure

Unit IV: [12 Periods]

Predicate calculus in problem solving – answer extraction process – resolution – Automatic program writing – predicate calculus – proof finding method

Unit V: [12 Periods]

Expert systems: Expert systems and conventional programs – expert system organization – Knowledge engineering: knowledge representation techniques – knowledge acquisition – acquiring knowledge from experts

# **Text Books:**

E Charnail, CK Reiesbeck and D V Medermett, "Artificial Intelligence Programming", Lawrence Erlbaum Associates, N J, 198

# **Reference Books:**

- 1. N J Nilson, "Principles of Artificial Intelligence", Tiega Press, Polo Alto, .
- 2. Elain Rich and Kevin Knight, "Artificial Intelligence", McGraw Hill,

### Web Resources:

https://people.engr.tamu.edu/guni/csce421/files/AI Russell Norvig.pdf

Regulations 2024

Manning of Course Outcome with Programme	Outcome and Programme Specific Outcome:
i wapping of course outcome with Frogrammi	Dutcome and Frogramme Specific Outcome.

Course Outcome		Programme Outcomes											Programme Specifi Outcome			fic
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSC	3
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	` -	-
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	1	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	,	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	(,,	}

# Semester 6

Course Code   Couse Title   Credit   Lecture   Tutorial   Practical   T	Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Type
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	ormation				
sy	stem and 4 Cyber	6	6	0	Theory
	Security				

#### **Course Introduction:**

To give students knowledge about information Vulnerability in the modern cyber environment and need of cyber Security preparations are essential

Course Focus on: Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	The objective of this course is to provide students with a basic understanding of
	Information and Cyber Security issues and make them aware of the Challenges.
CO 2:	To provide components of the Information and Cyber Security Organization
CO 3:	To achieve a basic understanding of information and Cyber Security
CO 4:	To master information security governance, and related legal and regulatory Issues
CO 5:	To be familiarity with information security awareness and a clear understanding of its
	importance

Unit I: [12 Periods]

**Information Security Overview** -The Importance of Information Protection-The Evolution of Information Security -Justifying Security Investment -Security Methodology -How to Build a Security Program -The Impossible Job-The Weakest Link-Strategy and Tactics-Business Processes vs. Technical Controls

Unit II: [12 Periods]

**Risk Analysis** - Threat Definition -Types of Attacks - Malicious Mobile Code -Advanced Persistent Threats (APTs) -Manual Attacks -Risk Analysis

Unit III: [12 Periods]

Cyber Security Fundamentals - Network and Security Concepts - Information Assurance Fundamentals - Authentication — Authorization — Nonrepudiation — Confidentiality — Integrity — Availability - Basic Cryptography - Symmetric Encryption - Example of Simple Symmetric Encryption with Exclusive OR(XOR) - Improving upon Stream Ciphers with Block Ciphers - Public Key Encryption -The Domain Name System (DNS) - Security and the DNS — Firewalls -History Lesson - What's in a Name? — Packet - Filtering Firewalls - Stateful Firewalls - Application Gateway Firewalls.

Unit IV: [12 Periods]

Virtualization- In the Beginning, There Was Blue - The Virtualization Menu - Full Virtualization-Getting a Helping Hand from the Processor - If All Else Fails, Break It to Fix It - Use What You Have-Doing It the Hard Way-Biting the Hand That Feeds-Radio-Frequency Identification -Identify What?-Security and Privacy Concerns

Unit V: [12 Periods]

Microsoft Windows Security Principles-Windows Tokens-Introduction-Concepts behind Windows Tokens-Access Control Lists-Conclusions-Window Messaging - Malicious Uses of Window Messages - Solving Problems with Window Messages-Windows Program Execution- Validation of Parameters - Load Image, Make Decisions-Creating the Process Object-Context Initialization - Windows Subsystem Post Initialization - Initial Thread-Down to the Final Steps- Exploiting Windows Execution for Fun and Profit - The Windows Firewall

# **Text Books:**

1. "Information Security - The Complete Reference", by Mark Rhodes-Ousley, 2nd Edition.

2. "Cyber Security Essentials", by James Graham, Richard Howard & Ryan Olson, Published by CRC Press.

# **Reference Books:**

1.John R. Vacca, "Computer and Information Security Handbook", Elsevier, Third Edition 2.Salvatorre J. Stolfo, Steven M. Bellovin, Shlomo Hershkop, Angelos Keromytis, Sara Sinclair, Sean W. Smith, "Insider Attack and Cyber Security beyond the Hacker", Springer Science,

# Web Resources:

https://uou.ac.in/sites/default/files/slm/Introduction-cyber-security.pdf

Course Outcome		Programme Outcomes											Programme Speci Outcome			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PS	з
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3		1
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2		4
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3		3
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2		2
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2		3

Course Code	C o u s e T	Credit	Lecture	Tutorial	Practical	Туре
	i t I e					
	Business Communication	4	5	5	0	Theory

# **Course Introduction:**

The student will compose, produce, and present effective business documents appropriate to meet industry standards; apply critical evaluation techniques to business documents; and demonstrate the importance of coherent, ethical communication principles in business and industry.

**Course Focus on:** Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will						
CO 1:	Students gained knowledge in the effective communication and to draft the layout for a business letter	1					
CO 2:	earnt to draft the various business letters						
CO 3:	Gained knowledge in corresponding towards bank, insurance, agency, Shareholders and directors.						
CO 4:	Learnt to prepare a report, minutes and memorandum of a meeting						
CO 5:	Knowledge gained on the latest technology						
Unit I:	[12 Perio	ods]					

Individual Communication: Resume preparation – general and job-specific; cover letter preparing; soft-copy forms with neat formatting; Scanning and placing of photo; Modern e-forms of Communication: Fax – E-mail – Video Conferencing – Websites and their uses in business – language for email letters – social media communications (blogs & twitter—posting tweets, face-book, LinkedIn Groups (platform specific best practices)

Unit II: [12 Periods]

Trade Letters: Letters of Inquiry – placement of orders – Delivery and its status – Letters of Complaints, Claims – Adjustments –Credit and Status Enquiry – Collection letter Inter-office correspondence – Memorandum – Office orders – circulars; Report writing for Business purposes

Unit III: [12 Periods]

**Report writing:** Meaning – Need –Formatting the report elements such as title, abstract, summary, introduction, body, conclusion, recommendations, references and appendices – Types of report – Features of a well-written report.

**Effective writing:** Business Vocabulary -Bringing learners up to date with the language they need for business today, provides practice in using the new language, and also reflects recent developments in technology and business practice. Review basic grammar, punctuation, capitalization, number usage.

Unit IV: [12 Periods]

Correspondence of a Company Secretary: Secretary Notice, Agenda and Minutes— types—contents—guidelines—Minutes of statutory meeting—Board meeting—Annual General Meeting —Alteration of minutes—Minutes of Joint consultative meeting — Correspondence with Directors and Shareholders. Internal communications strategy: company newsletters—circulars—Appreciation memos—reprimanding strictures—Empowering employees—employee engagement.

Unit V: [12 Periods]

General Correspondence: Letters under Right to Information (RTI) Act – General complaints and petitions for public utilities – Letters to the editor of newspapers – Other general aspects related to practical letter writing

# **Text Books:**

1.Rajendra Pal, J.S.KorlaHailli, "Essentials of Business Communication" Sultan Chand & Sons, 13tH Edition

# **Reference Books:**

- 1. Ashley, A, "A Handbook Of Commercial Correspondence", Oxford University Press
- 2.Brian M. H. Robinson, Vidya S. Netrakanti Dr. Hari V. Shintrre Communicative
- 3. Competence in Busiiness English. Orient Longman, 2007. K. K. Ramachandran, K. K.
- 4.Lakshmi, K. K. Karthick& M. Krishnakumar. Business Communication. Macmillan, 2007

## Web Resources:

https://dcomm.org/wp-content/uploads/2019/05/Business-Communication-PDFDrive.com-.pdf

Course Outcome		Programme Outcomes Programme Specific Outcome														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре
	Marketing Research	4	5	5	0	

**Course Introduction:** To provide an exposure to the students pertaining to the nature and Scope of marketing research, which they are expected to possess when they enter the industry as practitioners. This will facilitate them in understanding about the basic techniques and tools of marketing research.

**Course Focus on:** Skill Development / Entrepreneurship / Employability / Research

Course Outcomes	On completion of this course, students will
CO 1:	The student should be able to understand the process of marketing research and its different processes.
CO 2:	The student should be able to understand different research methods.
CO 3:	This will help them to analyze and interpret both qualitative and quantitative data.
CO 4:	The student should be able to identify sources of information.
CO 5:	The student should be able to build a simple questionnaire from a web-based survey administration site.

Unit I:	[12 Periods]

Marketing Research: Nature and Scope of Marketing Research – Role of Marketing Research in Decision Making. The Research process – Steps in the Research Process; Designing the Research Proposal

Unit II: [12 Periods]

Sources and methods of gathering Marketing Information: Primary Data Collection - Survey Vs. Observations - Comparison of self-administered – telephone – mail - emails techniques - Depth Interviews focus groups and projective techniques - Questionnaire - form & design

Unit III: [12 Periods]

Secondary Data Research: Advantages & Disadvantages of Secondary Data - Criteria for evaluating secondary sources - Secondary sources of data in Indian Context

Unit IV: [12 Periods]

Measurement and scaling - Concept of measurement and scaling - Types of Scales

Nominal, Ordinal, Interval and Ratio Scales - Attitude scales Thurstone's, Likert's, Semantic differential Reliability and validity of a scales

Unit V: [12 Periods]

Sampling: Sampling techniques - determination of sample size - Data Analysis - Z test (mean, diff. of mean, diff. of proportion) t test (mean) - paired t-test - Chi square test. Introduction to theoretical concept of ANOVA - Factor Analysis and Regression analysis

#### **Text Books:**

Kotler, P., (1988) Marketing Management: Analysis Planning and Control, Prentice-Hall

## **Reference Books:**

- 1. Green E. Paul, Tull S.Donald & Albaum, Gerald: "Research for Marketing Decisions", 2006, 6th Ed, PHI.
- 2. Tull and Hawckins, "Marketing Research", 2000, 4th Ed. Tata McGraw Hill.
- 3. Cooper & Schindler: Business Research Methods McGraw-Hill Education.
- 4. Martin callingam, "Market intelligence", 2009, Kogan Page Publishers.
- 6. G.C. Beri, "Marketing Research", 2008, 8th Ed, Tata McGraw Hill.
- 7. Malhotra, K. Naresh, "Marketing Research- And applied orientation", 2014.

# **Web Resources:**

https://nibmehub.com/opac-

<u>service/pdf/read/Marketing%20Research%20An%20Applied%20Approach-%20Malhotra-</u>%20N.K-%202ed.pdf

Course Outcome		Programme Outcomes									Programme Specific Outcome					
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3	2	2	1	1	1	2	1	1	1	2	3	1	
CO2	3	2	3	1	1	3	2	1	2	1	1	1	3	2	2	
CO3	3	3	2	1	2	2	1	3	2	1	2	1	2	3	3	
CO4	1	1	3	3	1	3	2	3	1	2	2	2	3	2	2	
CO5	3	1	3	1	3	2	2	3	1	2	2	1	1	2	3	

# **Core Project**

# Semester 6

Course Code	Couse Title	Credit	Lecture	Tutorial	Practical	Туре			
	CORE PROJECT	8	8	8	-	PROJECT			
Course Outcomes	On completion of this course, students will								
CO 1:	To develop plans with relevant to achieve the <b>project's</b> goals.								
CO 2:	To break work down into tasks and determine handover procedures.								
CO 3:	To identify links and dependencies, and schedule to achieve deliverables.								
CO 4:	To estimate and cost the human and physical resources required, and make plans to obtain the necessary resources.								
<u>,                                    </u>		PROJECT	T REPORT GUID	ELINES					

discussion with the supervisor. Students should maintain a work diary were in weekly work carried out has to be written. Guide should review the work every week and put his/her signature. The work diary along with project report should be submitted at the time of viva voce.

- 2. Internal Marks Distribution: A minimum of two reviews have to be done, one at the time of finalizing the Questionnaire /identifying the primary data and the second review at the time of commencement of report writing. They should be asked to present the work done to the respective guide in the two reviews.
- 3. End Semester Examination: The evaluation for the end semester examination should be as per the norms given below:

External Examiner 25 Marks

Internal Examiner 75 Marks

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(Jointly given by the external and internal examiner) 100 Marks and the same may be converted to 200 Maximum whenever required)