

UG DEPARTMENT OF COMMERCE(CA)

SYLLABUS 2024 – 2027 BATCH

(Outcome-Based Education)

BOARD OF STUDIES 2024

I to VI SEMESTER



**NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
(AUTONOMOUS)**

Re-Accredited by NAAC
An ISO 9001:2015 Certified Institution

POLLACHI - 642 001

UG Department of Commerce with Computer Applications

Vision :To provide quality education in Commerce with immense Computer background and to make the Students face the ever growing corporate challenges with moral values.

Mission: To empower the students by instilling the latest knowledge and skills in their study area and thereby make them not only employable but also socially, culturally and ethically a rich citizen.

Program Educational Objectives:

PEO1	Development of professional progression of the graduates
PEO2	Attainment of professional certification by seeking Higher Education
PEO3	Participation of graduates ethically in career and socialistic activities
PEO4	Positioning of graduates as a successful team leader in an organization
PEO5	Possession of technical competency in solving complex problems in specialized field of graduation

Program Outcomes:

PO1	Disciplinary Knowledge: To intensify the knowledge in the fields of accounting by applying the concepts and techniques of Commerce to meet out Industrial expectations
PO2	Professional Skills: To enrich the acquaintanceship in various business related amendments
PO3	Value Education: To refine the personal, interpersonal, intellectual and societal skills for career upliftment
PO4	Information/Digital Literacy: To magnify the technical skillset of Computer in the field of Information Technology
PO5	Application Skills: To empower the employability skills through design and development of applications through software

PO6	Decision Making Skills: To train with necessary competencies and decision making skills for a successful Entrepreneurship career option
PO7	Lifelong Learning: To integrate the latest trends in Computer application software and packages
PO8	Experiential Learning: To replicate theoretical concepts in real time situations
PO9	Moral and Ethical Awareness: To build ethical values and principles of Business to meet the expectations of the society
PO10	Self Directed Learning: To nurture the interest to gain advanced knowledge through Higher Education

Program Specific Outcomes:

PSO - 01	Interdisciplinary Expertise: Enhance knowledge to expertise in various fields of Commerce and Computer arena
PSO - 02	Digital Skills: Equip the technical skills to meet out the local and global challenges

MAPPING

PEOs POs \PSOs	PEO1	PEO2	PEO3	PEO4	PEO5
PO1	H	H	M	H	H
PO2	H	H	H	H	H
PO3	H	H	H	H	H
PO4	H	H	M	H	H
PO5	M	H	H	M	H
PO6	H	M	H	H	M
PO7	H	H	H	M	H
PO8	H	M	H	H	H
PO9	M	H	H	M	H
PO10	H	H	M	H	M
PSO1	H	H	H	H	H
PSO2	H	H	H	H	H

L-Low M-Medium H-High

N.G.M College - Curriculum Development Cell
Scheme of Examination For 2024 - 2027
Choice Based Credit System & OBES

For Part I and Part II in First, Second, Third & Fourth Semesters Only

SEMESTER - I

Part	Subject Code	Title of the Paper	Hrs / Week		Hrs / Sem.	Exam Hrs.	Maximum Marks		Total Marks	Credits
			L	P	T		Internal	External		
I	24UTL1C1	Tamil Paper-I	5	-	-	3	25	75	100	3
	24UHN1C1	Hindi Paper-I								
	24UFR1C1	French Paper- I								
II	24UEN101/ 24UEN102	Communication Skills – I (Level I) / Communication Skills – I (Level II)	5	-	-	3	25	75	100	3
III	24UCC101	CC- I: Financial Accounting	5	-	4	3	25	75	100	4
	24UCC1A1/ 24UCC1A2	GE I- Allied: Business Economics/Managerial Economics	5	-	-	3	25	75	100	4
	24UCC102	CC - II : Executive Communication (Practical)	3	-	-	3	20	30	50	2
	24UCC103	CC Lab - I : Office Automation	-	4	-	3	40	60	100	2
IV	24EVS101	AECC- I: Environmental Studies	2	-	-	2	-	50	50	2
	24HEC101	Human Excellence - Personal Values & SKY Yoga Practice - I	1	-	-	2	20	30	50	1
V		Extension Activities – Annexure I	-	-	-	-	-	-	-	-
EC		Online Course (Optional) (MOOC / NPTEL / SWAYAM)	-	-	-	-	-	-	-	Grade
Total			26	4	4		180	470	650	21

EC – Extra Credit Course / Certificate Course / Co-Scholastic Course / Job Oriented Course

CC – Core Course; GE – Generic Elective; AECC - Ability Enhancement Compulsory Course

SEMESTER – II										
Part	Subject Code	Title of the Paper	Hrs / Week		Hrs / Sem.	Exam Hrs.	Maximum Marks		Total Marks	Credits
			L	P			T	Internal		
I	24UTL2C2	Tamil Paper-II	5	-	-	3	25	75	100	3
	24UHN2C2	Hindi Paper-II								
	24UFR2C2	French Paper-II								
II	24UEN202 / 24UEN203	Communication Skills – II (Level I) / Communication Skills – II (Level II)	5	-	-	3	25	75	100	3
III	24UCC204	CC – III : Higher Financial Accounting	6	-	4	3	25	75	100	5
	24UCC2A1 / 24UCC2A2	GE II -Allied : Business Mathematics / Operations Research - I	6	-	4	3	25	75	100	4
	24UCC205	CC Lab - II : Web Designing	1	4		3	40	60	100	2
	24UCC2S1/ 24UEL2S2	SEC – I : Naan Mudhalvan : Basics of Finance & Fintech2 / Professional Skills	2				12	38	50	2
IV	24HEC202	Human Excellence - Family Values & SKY Yoga Practice - II	1	-	-	2	20	30	50	1
V		Extension Activities - Annexure I	-	-	-	-	-	-	-	-
EC	24CMM201	Manaiyiyal Mahathuvam - I	15 Hrs			2	-	50	50	Grade
	24CUB201	Uzhavu Bharatham - I	15 Hrs			2	-	50	50	Grade
		Online Course (Optional) (MOOC / NPTEL / SWAYAM)								Grade
Total			26	4	8		172	428	600	20

EC – Extra Credit Course / Certificate Course / Co-Scholastic Course / Job Oriented Course

CC – Core Course; GE – Generic Elective; AECC - Ability Enhancement Compulsory Course;

SEC – Skill Enhancement Course

SEMESTER – III										
Part	Subject Code	Title of the Paper	Hrs / Week		Hrs / Sem.	Exam Hrs.	Maximum Marks		Total Marks	Credits
			L	P	T		Internal	External		
I	24UTL3C3	Tamil Paper - III								
	24UHN3C3	Hindi Paper - III	3	-	-	3	25	75	100	3
	24UFR3C3	French Paper – III								
II	24UEN3C3	Communication Skills – III	3	-	-	3	25	75	100	3
III	24UCC306	CC - IV : Corporate Accounting	6	-	4	3	25	75	100	5
	24UCC307	CC- V : RDBMS	6	-	-	3	25	75	100	5
	24UCC3A1/ 24UCC3A2	GE III - Allied: Principles of Management / Business Organisation and Office Management	5	-	-	3	25	75	100	5
	24UCC308	CC Lab - III : RDBMS	-	4	-	3	20	30	50	2
IV	24UCC3N1/ 24UCC3N2	Non Major Elective - I : Business and Professional Correspondence/ Supply Chain Management	2	-	-	2	-	50	50	2
	24HEC303	Human Excellence - Professional Values & Ethics - III	1	-	-	2	20	30	50	1
V		Extension Activities - Annexure I	-	-	-	-	-	-	-	-
EC	24CMM302	Manaiyiyal Mahathuvam - II	15 Hrs			2	-	50	50	Grade
	24CUB302	Uzhavu Bharatham - II	15 Hrs			2	-	50	50	Grade
	24UCC3VA	VAC – I :	30 Hrs							2*
Total			26	4	4		165	485	650	26

EC – Extra Credit Course / Certificate Course / Co-Scholastic Course / Job Oriented Course

CC – Core Course; GE – Generic Elective; VAC – Value Added Course

*Extra Credits;

SEMESTER – IV										
Part	Subject Code	Title of the Paper	Hrs / Week		Hrs / Sem	Exam Hrs.	Maximum Marks		Total Marks	Credits
			L	P	T		Internal	External		
I	24UTL4C4	Tamil Paper - IV	3	-	-	3	25	75	100	3
	24UHN4C4	Hindi Paper - IV								
	24UFR4C4	French Paper – IV								
II	24UEN4C4	Communication Skills – IV	3	-	-	3	25	75	100	3
III	24UCC409	CC - VI : Cost Accounting	5	-	4	3	25	75	100	4
	24UCC4A1 / 24UCC4A2	GE IV - Allied: Business Statistics/ Operations Research – II	5	-	5	3	25	75	100	4
	24UCC410	CC Lab - IV : VB.NET	1	4	-	3	20	30	50	2
	24UCC411	CC Lab – V : Tally	-	4	-	3	20	30	50	2
	24UCC4S1 / 24UCC4S2	SEC II: Naan Mudhalvan: Securities Markets / Mutual Funds Foundation	2				12	38	50	2
IV	24UCC4N1/ 24UCC4N2	Non Major Elective - II : Commerce & Computer Application Practical / Retail Management	2	-	-	2	-	50	50	2
	24HEC404	Human Excellence - Social Values & SKY Yoga Practice – IV	1	-	-	2	20	30	50	1
V		Extension Activities - Annexure I	-	-	-	-	-	50	50	1
	24CMM403	Manaiyiyal Mahathuvam -III	15 Hrs			2	-	50	50	Grade
	24CUB403	Uzhavu Bharatham - III	15 Hrs			2	-	50	50	Grade
	24UCC4VA	VAC – II :	30 Hrs							2*
Total			22	8	9		172	528	700	24

EC – Extra Credit Course / Certificate Course / Co-scholastic Course / Job Oriented Course

CC – Core Course; GE – Generic Elective; SEC – Skill Enhancement Course; VAC-Department Specific Value Added Course;

*Extra Credits;

SEMESTER – V										
Part	Subject Code	Title of the Paper	Hrs / Week		Hrs / Sem.	Exam Hrs.	Maximum Marks		Total Marks	Credits
			L	P	T		Internal	External		
III	24UCC512	CC- VII : Income Tax	6	-	4	3	25	75	100	5
	24UCC513	CC - VIII : Programming in C ++ & Python	5	-		3	25	75	100	3
	24UCC514	CC - IX : Institutional Training	-	-	-	-	40	60	100	2
	24UCC5E1/ 24UCC5E2/ 24UCC5E3	DSE - I :#	5	-	-	3	25	75	100	4
	24UCC5E4/ 24UCC5E5/ 24UCC5E6	DSE - II :##	5	-	-	3	25	75	100	4
	24UCC515	CC Lab - VI :C ++ & Python	-	6	-	3	40	60	100	2
	24UCC516	CC – X - Project	-	-	-	-	25	75	100	4
IV	24UCC5S1 / 24UCC5S2	SEC - III : Commerce and Computer Application Practical / Investment Management	-	2	-	2	-	50	50	3
	24HEC505	Human Excellence - National Values & SKY Yoga Practice – V	1	-	-	2	20	30	50	1
EC	24GKL501	General Knowledge– Self Study	SS	-	-	2	-	50	50	Grade
	24CSD501	Soft Skills Development -I	-	-	-	-	-	-	-	Grade
	24UCC5AL	ALC –I : International Marketing (Optional) - Self Study	SS	-	-	-	50	50	100	2**
Total			22	8	4	-	225	575	800	28
Discipline Specific Elective (DSE) – I[#] 24UCC5E1: Digital Marketing 24UCC5E2: Entrepreneurial Development 24UCC5E3: Internet of Things			Discipline Specific Elective (DSE) – II^{##} 24UCC5E4: Legal Aspects in Business 24UCC5E5: Goods and Service Tax 24UCC5E6: ERP and Industry 4.0							

EC – Extra Credit Course / Certificate Course / Co-scholastic Course / Job Oriented Course
 CC – Core Course; DSE – Discipline-Specific Elective; SEC – Skill Enhancement Course
 ALC-Advanced Learner Course (Optional)

*Extra Credits;**Credits – Based on course content maximum of 4 credits

SEMESTER – VI										
Part	Subject Code	Title of the Paper	Hrs / Week		Hrs / Sem	Exam Hrs.	Maximum Marks		Total Marks	Credits
			L	P	T		Internal	External		
III	24UCC617	CC - XI : Management Accounting	6	-	4	3	25	75	100	5
	24UCC6E7/ 24UCC6E8/ 24UCC6E9	DSE - III :###	6	-		3	25	75	100	4
	24UCC618	CC - XII: Programming in Java	6		-	3	25	75	100	4
	24UCC619	CC Lab - VII : JAVA	-	4	-	3	20	30	50	3
	24UCC620	CC Lab – VIII : Multimedia	1	4	-	3	20	30	50	2
IV	24UCC6S1/ 24UCC6S2	SEC - IV : Interview Readiness / Aptitude for Placements	2	-	-	3	-	50	50	2
	24HEC606	Human Excellence - Global Values & SKY Yoga Practice – VI	1		-	2	20	30	50	1
EC	24CSD602	Soft Skills Development - II	-		-	-	-	-	-	Grade
	24UCC6AL	ALC - II: Basic of Research Techniques (Optional) - Self Study					50	50	100	2**
Total			22	8	4		185	415	500	21
Grand Total									3900	140
Discipline Specific Elective (DSE) – III ###										
23UCS6E7: E-Commerce and Information Security										
23UCS6E8: Financial Markets and Services										
23UCS6E9: Banking and Insurance Law										

EC – Extra Credit Course / Certificate Course / Co-scholastic Course / Job Oriented Course
 CC – Core Course; DSE – Discipline-Specific Elective; SEC – Skill Enhancement Course;
 ALC-Advanced Learner Course (Optional)

*Extra Credits;**Credits – Based on course content maximum of 4 credits

List of Abbreviations:

CC – Core Course

GE – Generic Elective

AECC –Ability Enhancement Compulsory Course

SEC – Skill Enhancement Course

DSE – Discipline-Specific Elective

VAC –Value Added Course

ALC – Advanced Learner Course

Grand Total = 3900; Total Credits = 140

Question Paper Pattern (Based on Bloom's Taxonomy)

K1-Remember; K2- Understanding; K3- Apply; K4-Analyze; K5- Evaluate

1. Theory Examinations: 75 Marks (Part I, II, & III)

(i) Test- I & II, ESE:

Knowledge Level	Section	Marks	Description	Total
K1 & K2 (Q1 - 10)	A (Q1 – 5 MCQ) (Q6 – 10 Define / Short Answer / MCQ)	10 * 1 = 10	MCQ / Define	75
K3 (Q11-15)	B (Either or pattern)	5 * 5 = 25	Short Answers	
K4 & K5 (Q16 – 20)	C (Either or pattern)	5 * 8 = 40	Descriptive/ Detailed	

2. Theory Examinations: 38 Marks (3 Hours Examination) (Part III: If applicable)

Knowledge Level	Section	Marks	Description	Total
K1 & K2 (Q1 - 10)	A (Q 1 – 10 MCQ)	10 * 1 = 10	MCQ	50 (Reduced to 38)
K3 (Q11 – 15)	B (Either or pattern)	5 * 3 = 15	Short Answers	
K4 & K5 (Q16-20)	C (Either or pattern)	5 * 5 = 25	Descriptive/ Detailed	

3. Theory Examinations: 38 Marks (2 Hours Examination) (Part IV: If applicable)

Knowledge Level	Section	Marks	Description	Total
K1 & K2 (Q1-10)	A (Q1 – 5 MCQ) (Q6–10 Define / Short Answer)	10 * 1 = 10	MCQ / Define	50 (Reduced to 38)
K3, K4 & K5 (Q11-15)	B (Either or pattern)	5 * 8 = 40	Descriptive/ Detailed	

4. Practical Examinations:

Paper	Maximum Marks	Marks for		Components for CIA		
		CIA	CEE	Tests	Observation Note	Record Note
Practical (Core / Elective)	50	20	30	10	05	05
Practical (Core / Elective)	75	30	45	20	05	05
Practical (Core / Elective)	100	40	60	30	05	05

5. Project:

Paper	Maximum Marks	Marks for		
		CIA	CEE	
			Evaluation	Viva-voce
Project	100	25	50	25
Project	150	40	75	35
Project	200	50	100	50

* CIA – Continuous Internal Assessment & CEE – Comprehensive External Examinations

Components of Continuous Internal Assessment (CIA)

THEORY

Maximum Marks: 100; CIA Mark: 25; CEE Mark: 75;

Components		Calculation	CIA Total
Test 1	75	$(75+75+15+10)/7$	25
Test 2 / Model	75		
Assignment / Digital Assignment	15		
Others*	10		

*Others may include the following: Seminar / Socratic Seminars, Group Discussion, Role Play, APS, Class participation, Case Studies Presentation, Field Work, Field Survey, Term Paper, Workshop / Conference Participation, Presentation of Papers in Conferences, Quiz, Report / Content Writing, etc.

Maximum Marks: 50; CIA Mark: 12; CEE Mark: 38; (Part III: If applicable)

Components		Calculation	CIA Total
Test 1	50	$(50+50+10+10)/10$	12
Test 2 / Model	50		
Assignment / Digital Assignment	10		
Seminar	10		

PROJECT

Maximum Marks: 100; CIA Mark: 25; CEE Mark: 75;

Components		Calculation	CIA Total
Review I	5	5+5+5+10	25
Review II	5		
Review III	5		
Report Submission	10		

Maximum Marks: 200; CIA Mark: 50; CEE Mark: 150;

Components		Calculation	CIA Total
Review I	10	10+ 10+10+20	50
Review II	10		
Review III	10		
Report Submission	20		

** Components for 'Review' may include the following:*

Originality of Idea, Relevance to Current Trend, Candidate Involvement, and Presentation of Report for Commerce, Management & Social Work.

Synopsis, System Planning, Design, Coding, Input form, Output format, Preparation of Report & Submission for Computer Science cluster.

Continuous Internal Assessment for Project

For Commerce, Management & Social Work Programme

The Final year Commerce, Management & Social Work students should undergo a project work during (V/VI) semester

- ❖ The period of study is for 4 weeks.
- ❖ Project / Internship work has to be done in an industrial organization (or) work on any industrial problem outside the organization is allowed.
- ❖ Students are divided into groups and each group is guided by a Mentor.
- ❖ The group should not exceed four students, also interested student can undergo individually.
- ❖ A problem is chosen, objectives are framed, and data is collected, analyzed and documented in the form of a report / Project.
- ❖ Viva – Voce is conducted at the end of this semester, by an External Examiner and concerned Mentor (Internal Examiner).
- ❖ Project work constitutes 100 marks, out of which 25 is CIA and 75 is CEE Marks.

Mark Split UP

CIA	CEE	Total
25	75	100

S. No	Components for CIA	Marks
1	Review – I *	5
2	Review – II *	5
3	Review – III *	5
4	Rough Draft Submission	10
Total		25

* Review includes Objectives and Scope, Research Methodology, Literature Review, Data Analysis and Results, Discussion and Interpretation, Recommendations and Implications, Presentation and Format, Creativity and Originality, and Overall Impact and Contribution.

S. No	Components for CEE	Marks
1	Evaluation*	50
2	Viva-Voce	25
Total		75

* Evaluation includes Originality of Idea, Relevance to Current Trend, Candidate Involvement, Thesis Style / Language, and Presentation of Report.

STUDENT SEMINAR EVALUATION RUBRIC

Grading Scale:

A	B	C	D
8-10	5-7	3-4	0-2

CRITERIA	A - Excellent	B - Good	C - Average	D - Inadequate
Organization of presentation	Information presented as an interesting story in a logical, easy-to-follow sequence	Information presented in logical sequence; easy to follow	Most of the information is presented in sequence	Hard to follow; sequence of information jumpy
Knowledge of the subject & References	Demonstrated full knowledge; answered all questions with elaboration & Material sufficient for clear understanding AND exceptionally presented	At ease; answered all questions but failed to elaborate & Material sufficient for clear understanding AND effectively presented	At ease with information; answered most questions & Material sufficient for clear understanding but not clearly presented	Does not have a grasp of information; answered only rudimentary Questions & Material not clearly related to the topic OR background dominated seminar
Presentation Skills using ICT Tools	Uses graphics that explain and reinforce text and presentation	Uses graphics that explain the text and presentation	Uses graphics that relate to text and presentation	Uses graphics that rarely support text and presentation
Eye Contact	Refers to slides to make points; engaged with the audience	Refers to slides to make points; eye contact the majority of the time	Refers to slides to make points; occasional eye contact	Reads most slides; no or just occasional eye contact
Elocution – (Ability to speak English language)	Correct, precise pronunciation of all terms The voice is clear and steady; the audience can hear well at all times	Incorrectly pronounces a few terms Voice is clear with few fluctuations; the audience can hear well most of the time	Incorrectly pronounces some terms Voice fluctuates from low to clear; difficult to hear at times	Mumbles and/or Incorrectly pronounces some terms Voice is low; difficult to hear

WRITTEN ASSIGNMENT RUBRIC

Grading Scale:

A	B	C	D	F
13-15	10-12	7-9	4-6	0-3

CRITERION	A - Excellent	B - Good	C - Average	D - Below Average	F - Inadequate
Content & Focus	Hits on almost all content exceptionally clear	Hits on most key points and the writing is interesting	Hits in basic content and writing are understandable	Hits on a portion of content and/or digressions and errors	Completely off track or did not submit
Sentence Structure & Style	<ul style="list-style-type: none"> * Word choice is rich and varies * Writing style is consistently strong * Students own formal language 	<ul style="list-style-type: none"> * Word choice is clear and reasonably precise * Writing language is appropriate to the topic * Words convey intended message 	<ul style="list-style-type: none"> * Word choice is basic * Most writing language is appropriate to the topic * Informal language 	<ul style="list-style-type: none"> * Word choice is vague * Writing language is not appropriate to the topic * Message is unclear 	* Not Adequate
Sources	Sources are cited and are used critically	Sources are cited and some are used critically	Some sources are missing	Sources are not cited	Sources are not at all cited
Neatness	Typed; Clean; Neatly bound in a report cover; illustrations provided	Legible writing, well-formed characters; Clean and neatly bound in a report cover	Legible writing, some ill-formed letters, print too small or too large; papers stapled together	Illegible writing; loose pages	Same as below standard
Timeliness	Report on time	Report one class period late	Report two class periods late	Report more than one week late	Report more than 10 days late

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC101			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	4	CC - I : Financial Accounting	Semester:	I
					Credits:	4

Course Objective

To enrich the students' knowledge in basic financial accounting

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect knowledge on the fundamentals of accounting	K1
CO2	Understand the preparation of final accounts and depreciation accounting	K2
CO3	Implement the knowledge in rectifying accounting errors	K3
CO4	Analyse the bank reconciliation statement and preparation of branch and departmental accounting	K4
CO5	Evaluate the critical thinking with problem solving skills while preparing the accounting statement of Hire purchase and instalments.	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	L	H	L	L	M	L	H	H	M	H	M
CO2	H	H	H	M	L	H	M	H	H	H	H	M
CO3	H	H	H	M	M	M	M	H	H	H	H	H
CO4	M	M	H	H	L	M	M	H	H	H	L	M
CO5	H	H	H	L	L	M	H	H	H	H	H	M

Unit	Content	Hours
Unit – 1	Accounting: Basics - Principles - Types of Accounts – Accounting Rules - Journal - Ledger - Trial Balance - Subsidiary Books – Cash Book. Single Entry (Theory only). Accounting Standards (Basic concepts).	15
Unit – 2	Final Accounts of a Sole Trader with Simple Adjustments. Depreciation Accounting – Methods - Straight Line and Diminishing Balance Methods including Changeover Method and Machine Hour Rate Method (Problems).	15

Unit – 3	Bank Reconciliation Statement – Pass Book – Cash Book – Preparation of Bank Reconciliation Statement – Rectification of Errors including Suspense Account (Simple Problems only).	15
Unit – 4	Branch Accounts: Meaning – Types of Branches - Preparation of Branch Accounts (Excluding Foreign Branch).	15
Unit – 5	Departmental Accounting – Meaning – Need for Departmental Accounting – Advantages - Methods and Techniques of Departmental Accounting.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Seminar, Assignment, Practical Problems and Solutions

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Reddy, T.A. and A. Murthy	Financial Accounting	8 th Edition, Chennai: Margham Publications.	2020

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Gupta, R.L. and M. Radhaswamy	Advanced Accounting	13 th Revised Edition, New Delhi: Sultan Chand Company Limited	2018
2	Shukla, M.C. and T.S. Grewal	Advanced Accounts-I	48 th Edition, New Delhi: Sultan Chand Company Limited.	2017
3	Vinayagam. N. and B. Charumathi	Financial Accounting	1 st Edition, New Delhi Sultan Chand Company Limited.	2013

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M. Nirmala	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC1A1			Course Title	Batch:	2024 – 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	GE – I :Allied : Business Economics	Semester:	I	
					Credits:	4	

Course Objective

To enrich the students' knowledge in the area of Business Economics

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the basic concepts of business economics	K1
CO2	Understand the demand and supply analysis with relevant economic problems	K2
CO3	Apply the law of variable proportions and economies of scale to an existing economic condition.	K3
CO4	Analyse the importance of consumer sovereignty and know the indifference curve analysis.	K4
CO5	Evaluate the various markets structures and know the differences prevailing in each of them	K5

Mapping

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO												
CO1	L	H	M	M	H	H	L	H	H	H	M	M
CO2	H	H	H	M	H	H	M	H	H	M	H	H
CO3	M	H	M	M	H	H	L	H	H	H	M	H
CO4	M	H	M	M	M	H	L	H	H	H	H	H
CO5	H	H	H	M	M	H	L	M	H	H	M	M

Unit	Content	Hours
Unit- 1	Business Economics: Meaning - Definition – Objectives - Concepts – Nature and Scope – Differences between Economics and Business Economics – Relationship of Business Economics with other Disciplines – Recent Trends in Business Economics - Roles and Responsibilities of Business Economist	15

Unit– 2	Demand Analysis: Demand Determinants - Law of Demand – Exceptions to Law of Demand–Factors affecting Demand Schedule-Demand Distinctions- Elasticity of Demand: Types and Measurement. Demand Forecasting: Market and Company Demand Forecasting-Purpose- Essentials of Good Forecasting- Method of Demand Forecasting.	15
Unit– 3	Supply Analysis: Supply – Supply Function – Law of Supply – Market Equilibrium – Elasticity of Supply – Types. Indifference Curve Analysis: Properties-Price, Income and Substitution Effects - Consumer Surplus.	15
Unit– 4	The Law of Variable Proportions: Increasing, Diminishing and Constant Returns - Economies of Scale: Internal and External Economies. Cost Analysis: Meaning - Cost Concepts - Cost Output Relationship: Total Cost, Average Cost and Marginal Cost.	16
Unit– 5	Market Structure: Market Forms-Time Elements in Price Fixation-Equilibrium of Firm and Industry. Price and Output Determination under Perfect Competition, Monopoly, Monopolistic Competition, Discrimination Monopoly and Oligopoly.	14
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Seminar ,Quiz, Assignment, Experience Discussion and Brain storming

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Reddy. P.N. and H.R. Appanniah	Principles of Business Economics	3 rd Edition, New Delhi: Sultan Chand & Company Limited.	2017

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Chopra. P.N.	Business Economics	6 th Edition, New Delhi: Kalyani Publishers	2014
2	Leki R. K. Agarwal	Business Economics	3 rd Edition, Bangalore, Kalyani Publishers.	2010
3	Chaudry Rimu	Business Economics	1 st Edition, Chennai: Kalyani Publishers	2012

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.R.Ramya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC1A2			Course Title	Batch:	2024 – 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	GE I -Allied : Managerial Economics	Semester:	I	
					Credits:	4	

Course Objective

To impart the knowledge of economic principles in management decisions.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recall the fundamental concepts of managerial economics	K1
CO2	Understand the production function and its law	K2
CO3	Apply the output and price considering the various market situations	K3
CO4	Analyze the capital budgeting and demand & supply of capital.	K4
CO5	Evaluate the concept, measurement and significance of national income	K5

Mapping

PO /PSOCO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	L	L	L	H	H	L	L	M	M	H	H
CO2	M	M	M	M	H	H	L	M	M	H	H	H
CO3	M	M	L	L	M	H	L	L	M	M	H	M
CO4	M	M	M	L	M	H	M	M	H	H	H	H
CO5	M	H	M	L	M	H	M	L	H	H	H	H

Unit	Content	Hours
Unit – 1	Managerial Economics: Meaning - Nature and Scope – Role and Responsibilities of Managerial Economist - Relationship between Managerial Economics and Other Subjects.	15
Unit – 2	Production Analysis: Production function- Isoquants–Producers Equilibrium –Law of production-law of supply.	15
Unit – 3	Pricing Decision: Pricing and Output Decisions in Different Market Situations - Pricing under Perfect Competition.	15

Unit - 4	Capital budgeting: Meaning- Need for capital budgeting-forms of capital budgeting- Demand for capital- supply of capital.	15
Unit - 5	National Income: Elements of National Income – National Income Concepts - Measurement of National Income – Difficulty of Measurement – Significance of National Income.	15
	Total	75

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar ,Quiz, Assignment, Experience Discussion

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	R.Cauvery, Dr.U.K.Sudha Nayak	Managerial Economics	19 th Edition, Sultan Chand Sons, New Delhi	2018
2	Dr. S. Sankaran	Managerial Economics	2 nd Edition, Margham Publications, New Delhi	2018

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Mithani D.M	Principles of Economics	1 st Edition,Himalaya publishing house	2018
2	Mehta. P.L	Managerial Economics	19 th Edition, New Delhi: Sultan Chand and Sons	2014
3	Gupta.G.S	Managerial Economics	3 rd Edition, New Delhi: McGraw Hill Education	2017

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms.D.Saranya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC102			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	3	Tutorial Hrs./Sem.	-	CC II : Executive Communication (Practical)	Semester:	I
					Credits:	2

Course Objective

To develop the oral and written communication skills of the students

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the structure of trade letters	K1
CO2	Understand the format of preparing resume, agenda and minutes	K2
CO3	Implement assignments for developing oral communication skills	K3
CO4	Analyze the students' communication skills in real world situation	K4
CO5	Evaluate students professional writing skill	K5

Mapping

PO/PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO												
CO1	M	L	M	M	H	M	M	M	M	H	L	M
CO2	H	M	H	H	H	M	M	H	H	H	M	M
CO3	H	H	H	M	H	M	H	H	H	M	M	H
CO4	H	H	H	H	H	H	H	H	H	M	M	H
CO5	H	H	M	M	M	H	H	H	H	H	M	H

Unit	Content	Hours
Unit – 1	<p>Part – A (Oral Communication)</p> <ol style="list-style-type: none"> Self- Introduction Listening and Reading Group Discussion Public Speaking and Telephonic Conversation Business Presentation and Role Play Mock Interview <p>Part – B (Written Communication)</p> <ol style="list-style-type: none"> Trade Letters : Enquiries - Orders and Execution 	15

	2. Credit and Status Enquiries 3. Claims and Adjustments 4. Collection Letters 5. Sales Letters 6. Complaint Letters 7. Circular Letters 8. Drafting Agenda and Minutes 9. Bank Correspondence 10. Insurance Correspondence 11. Agency Correspondence 12. Application Letters 13. Preparation of Resume	30
	Total Contact Hrs	45

Pedagogy and Assessment Methods:

Power point Presentations, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Rajendra Pal Korahill	Essentials of Business Communication	9 th Edition, New Delhi: Sultan Chand & Sons.	2012

Reference Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Ramesh, M.S., C.C. Pattanshetti and Madhumati M. Kulkarani	Business Communication	28 th Edition, New Delhi: Chand & Company.	2011
2	Rodriquez, M.V.	Effective Business Communication Concept	13 th Edition, Mumbai: Vikas Publishing Company.	2003

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr. T. Vijaya Chithra	Dr.P.Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC103			Course Title	Batch:	2024 - 2027	
				CC Lab - I : Office Automation	Semester:	I	
Lecture Hrs./ Week And Practical Hrs./Week	4	Tutorial Hrs./Sem.	-		Credits:	2	

Course Objective

To prepare the students for document preparation, business calculations, presentation of information and database management

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the various features of Word	K1
CO2	Understand the several functions of Excel	K2
CO3	Apply the creativity in business presentation	K3
CO4	Analyze the basic knowledge in database	K4
CO5	Evaluate the creation of database system	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	H	H	M	M	H	M	M	H	M	M
CO2	M	H	M	H	M	H	H	M	M	H	H	H
CO3	H	H	H	H	H	H	H	M	H	H	M	H
CO4	H	H	H	H	M	H	H	H	H	H	H	H
CO5	M	M	M	H	M	M	H	H	M	H	M	M

Unit	Content	Hours
Word	1. Design a MS-Word document with all basic features. 2. Design the front page of a Magazine in MS Word. 3. Build a table in MS Word projecting the details of the student's in our department 4. Using Mail Merge concept send invitation for Board Meeting to all the members of the company.	15
	5. Design the Pay Roll of a company in MS Excel by considering the following conditions: Dearness Allowance - 40% on Basic Pay	15

Excel	<p>House Rent Allowance – Rs.400 Medical Allowance – Rs.100 Provident Fund – 12% on Basic Pay + Dearness Allowance</p> <p>6. Design the Electricity Bill in MS Excel by considering the following conditions: <u>Unit Consumed Rate Per Unit (Rs.)</u></p> <table border="0"> <tr> <td>Up to 100 Units</td> <td>NIL</td> </tr> <tr> <td>101 to 200 Units</td> <td>3.50</td> </tr> <tr> <td>200 to 500 Units</td> <td>4.60</td> </tr> <tr> <td>Above 500 Units</td> <td>6.60</td> </tr> </table> <p>7. Create a Student’s Mark List in MS Excel by considering the following conditions: <u>Percentage Class Conditional Formatting (Font Color)</u></p> <table border="0"> <tr> <td>40 – 49</td> <td>III</td> <td>Blue</td> </tr> <tr> <td>50 – 59</td> <td>II</td> <td>Brown</td> </tr> <tr> <td>0 & Above</td> <td>I</td> <td>Green</td> </tr> </table> <p><u>Subject Score</u></p> <table border="0"> <tr> <td>Score <40</td> <td>Underline with Red Color</td> </tr> <tr> <td>Score >80</td> <td>Underline with Green Color</td> </tr> </table> <p><u>Result</u></p> <table border="0"> <tr> <td>Pass</td> <td>Black</td> </tr> <tr> <td>Fail</td> <td>Red</td> </tr> </table> <p>8. Prepare the Student’s details and view the records by using the AutoFilter Option. 9. Design a Chart in MS Excel to show the sales performance of the Company. 10. Develop a Pivot Table expressing the sales performance of salesmen for 3 months.</p>	Up to 100 Units	NIL	101 to 200 Units	3.50	200 to 500 Units	4.60	Above 500 Units	6.60	40 – 49	III	Blue	50 – 59	II	Brown	0 & Above	I	Green	Score <40	Underline with Red Color	Score >80	Underline with Green Color	Pass	Black	Fail	Red	24UCC103
Up to 100 Units	NIL																										
101 to 200 Units	3.50																										
200 to 500 Units	4.60																										
Above 500 Units	6.60																										
40 – 49	III	Blue																									
50 – 59	II	Brown																									
0 & Above	I	Green																									
Score <40	Underline with Red Color																										
Score >80	Underline with Green Color																										
Pass	Black																										
Fail	Red																										
Power Point	<p>11. Design presentation slides for our College. The slides must include the history of various UG and PG courses offered by the college. 12. Design an Organization Chart for a Company to show the levels of hierarchy.</p>	15																									
Access	<p>13. Create the following Tables: a) Student’s Personal Details & b) Student’s Mark Details. Perform the following</p> <ol style="list-style-type: none"> 1. Relate the Tables 2. Show the details of students who passed in all subjects. 3. Show the details of students whose subject score in all subjects are above 60. 4. Create a Form and Report for the Tables. 	15																									
	Total Contact Hrs	60																									

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Sandra Cable, Steven M. Freund, Ellen Monk, Susan L. Sebok, Joy L. Starks, and Misty E. Vermaat	Microsoft Office 365 & Office 2019- An Introductory	CENAGE	2020
2	Matt vic	Microsoft Office 365	Independently Published	2021

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Deepa	Dr.P.Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC204			Course Title	Batch:	2024 – 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem	4	CC - III : Higher Financial Accounting	Semester:	II	
					Credits:	5	

Course Objective

To expose to the students the accounting procedure of partnership firms

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remembering the essentials of partnership accounting	K1
CO2	Understand the accounting treatments for admission, retirement and death of a partner	K2
CO3	Apply the accounting treatments in settlement of partnership accounts	K3
CO4	Analyze the relevant cases and the accounting treatment for dissolution of a firm	K4
CO5	Evaluate partnership account from admission to insolvency in real time	K5

Mapping

PO / PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO												
CO1	H	M	H	M	L	M	H	M	H	M	L	M
CO2	H	H	M	M	M	M	M	M	H	H	M	M
CO3	H	M	H	M	H	M	M	M	H	H	H	M
CO4	H	M	H	M	H	M	M	H	H	H	H	H
CO5	H	H	L	H	M	M	H	H	H	H	H	H

Unit	Content	Hours
Unit – 1	Introduction to Partnership – Interest on Capital – Interest on Drawings - Profit and Loss Appropriation Account – Capital accounts of Partners - Capital Ratio - Past Adjustments and Guarantees.	18
Unit – 2	Admission of a Partner – Calculation of Sacrificing Ratio – Valuation of Goodwill (Simple Problems) - Treatment of Goodwill - Revaluation of Assets and Liabilities - Calculation of Ratios for Distribution of Profits - Capital Adjustments.	18

Unit – 3	Retirement of a Partner - Calculation of Gaining Ratio- Revaluation of Assets and Liabilities-Treatment of Goodwill – Adjustment of Goodwill through Capital A/c only.	18
Unit – 4	Settlement of Accounts - Retiring Partner’s Loan Account – Admission cum Retirement – Death of a Partner.	18
Unit – 5	Dissolution of a Firm - Insolvency of Partners - Garner Vs Murray - Piecemeal Distribution (Proportionate Capital Method only).	18
	Total Contact Hrs	90

Pedagogy and Assessment Methods:

Power point Presentations, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Reddy, T.A. and A. Murthy	Financial Accounting	8 th Edition, Chennai: Margham Publications.	2020

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Gupta, R.L. and M. Radhaswamy	Advanced Accounting	13 th Revised Edition, Sultan Chand Company Limited, New Delhi	2018
2	Shukla, M.C. and T.S. Grewal	Advanced Accounts-I	48 th Edition, Sultan Chand Company Limited, New Delhi.	2017
3	Vinayagam. N. and B. Charumathi	Financial Accounting	1 st Edition, Sultan Chand Company Limited, New Delhi	2013

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms. M. Gayathri	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC2A1			Course Title	Batch:	2024 – 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	-	GE II - Allied : Business Mathematics	Semester:	II	
					Credits:	4	

Course Objective

To enable the students to apply the basic mathematical knowledge to solve the real life business problems

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember to calculate simple linear equations for a set of data.	K1
CO2	Understand the concepts of mathematics in finance	K2
CO3	Apply the knowledge in mathematics in solving business problems	K3
CO4	Analyse the gained knowledge of set theory which helps to improve ability of mathematical thinking.	K4
CO5	Evaluate the knowledge of both present and future value by using annuity	K5

Mapping

CO \ PO/PSO	PO/PSO											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	L	M	M	H	M	M	M	M	H	L	M
CO2	H	M	H	H	H	M	M	H	H	H	M	M
CO3	H	H	H	M	H	M	H	H	H	M	M	H
CO4	H	H	H	H	H	H	H	H	H	M	M	H
CO5	H	H	M	M	M	H	H	H	H	H	M	H

Unit	Content	Hours
Unit – 1	Mathematics of Finance: Simple Interest and Compound Interest: Basic concept – calculation of simple interest and compound interest- Effective Rates and Nominal rate of interest.	18
Unit – 2	Depreciation – Annuities – Present Value of an Immediate Annuity – Present Value of an Annuity Due – Amount of an Immediate Annuity – Amount of an Annuity Due – Discounting (problems only)	18

Unit – 3	Set theory: Definition – types of sets – set operations - Laws and properties of sets (without proofs) -Verification using Venn diagram only	18
Unit – 4	Matrices: Definition of matrix – types of matrix – matrix operations Determinants: Solving simultaneous equations in 3 variables using Cramer’s rule.	18
Unit – 5	Inverse of a matrix: Definition- Inverse of a matrix- finding inverse of 3x3, 2x2 non-singular matrices- solving simultaneous linear equations by inverse matrix – Elementary transformation of matrix – Rank – Consistency of a system of Simultaneous Linear Equation.	18
	Total Contact Hrs	90

.Pedagogy and Assessment Methods:

Power point Presentations, Assignment and Brain storming

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Navaneetham, P.A	Business Mathematics & Statistics	Jai Publishers, Trichy	2019

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Dharmapadam	Business Mathematics	Visvanathan.S Ltd.,	2016
2	Dr.P.R.Vittal	Business Mathematics and Statistics	Margham Publications	2018
3	Sanchetti.D.C& Kapoor. V.K	Business Mathematics	Sultan Chand & Sons, New Delhi	2020

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Deepa	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC2A2			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	GE II - Allied : Operations Research- I	Semester:	II	
					Credits:	4	

Course Objective

To enable the students to apply the mathematical knowledge to solve the real life business problems

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the basic concepts in Operations Research	K1
CO2	Understand the concepts of decision making theory	K2
CO3	Apply the knowledge of Queueing theory in solving business problems	K3
CO4	Analyse the information which helps to improve the ability of <i>decision</i> taking	K4
CO5	Evaluate the concepts of inventory to solve the business problems	K5

Mapping

PO / PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO 1	PSO2
CO1	M	L	M	M	H	M	M	M	M	H	L	M
CO2	H	M	H	H	H	M	M	H	H	H	M	M
CO3	H	H	H	M	H	M	H	H	H	M	M	H
CO4	H	H	H	H	H	H	H	H	H	M	M	H
CO5	H	H	M	M	M	H	H	H	H	H	M	H

Unit	Content	24UCC2A2
Unit - 1	Basics – Definition – Characteristics - Scientific methods – Necessary of operation research in Industry - Scope of operation research in Modern Management – Uses and limitations of operation research	15
Unit - 2	Decision Making –Decision Making environment – Decisions under uncertainty – Decision under risk – Decision – Tree Analysis (Theory only)	14
Unit - 3	Queueing Theory – Introduction – Queueing system – Characteristics of Queueing system – Symbols and Notations – Classifications of queues (Theory only)	15
Unit - 4	Information Theory: Introduction- A measure of Information-Axiomatic Approach to Information- Entropy-The expected information- Some properties of entropy function-Joint and conditional entropies	16
Unit - 5	Inventory control – Types of inventories – Inventory costs – EOQ Problem with no shortages – Production problem with no shortages.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Assignment and Brain storming

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	P.K. Gupta & D.S. Hira	Problems in Operations Research	New Delhi: S. Chand & Company Ltd.,	2013

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Vittal P.R & V. Malini	Operations Research	1 st Edition, Chennai, Margham Publications	2012
2	Kanti Swarup, P.K. Gupta & Manmohan	Problems in Operations Research	12 th Edition, New Delhi, S.Chand & Sons	2019
3	Paneerselvam. R	Operations Research	2 nd Edition, New Delhi, Prentice Hall of India Pvt., Ltd.,	2016

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M. Shanmugapriya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC205			Course Title	Batch:	2024 - 2027	
				CC Lab - II :Web Designing	Semester:	II	
Lecture Hrs./ Week And Practical Hrs./Week	5 (1+4)	Tutorial Hrs./Sem.	-		Credits:	2	

Course Objective

To prepare the students for document preparation, business calculations, presentation of information, database management and designing website

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the fundamental knowledge of internet and web designing	K1
CO2	Understand the concept of designing web pages in web sites using various HTML tags	K2
CO3	Apply the practical knowledge in creating HTML files	K3
CO4	Analyze and develop website designing skill in real business world	K4
CO5	Evaluate the creation of links between web pages	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	H	H	M	M	H	M	M	H	M	H
CO2	M	H	M	H	M	H	H	M	M	H	H	H
CO3	H	H	H	H	H	H	H	M	H	H	H	H
CO4	H	H	H	H	M	H	H	H	H	H	H	H
CO5	M	M	M	H	M	M	H	H	M	H	M	H

Content	Hours
<ol style="list-style-type: none"> Write a HTML code for designing a web page for system configuration Create a HTML document to show the important HTML tags Design a web page to show the subject covered in the first year Create a web page to list out the features of mobile phones using DIV element List out the names of software companies using ordered list List out the educational website using unordered list 	75

<ul style="list-style-type: none"> 7. Design a web page using Nested list. 8. Develop a web page to show the definition list using HTML tags 9. Create an advertisement of a product using HTML tags 10. Generate a web page using link within a web page 11. Develop a web page for NGM College using links for another web page 12. Generate a web page to display the weather report using table 13. Construct a HTML document to display mark statement using nested table 14. Prepare a resume using forms 15. Create a website for a College using frames 	
Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Jo Foster	Learn HTM for Beginner	Elluminet Press	2019
2	Jennifer Niederst Robbins	Learning Web Designing	O'Reilly	2012

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms.D.Saranya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC2S1			Course Title	Batch:	2024 - 2027
				SEC – I: Naan Mudhalvan: Basics of Finance & Fintech2	Semester:	II
Lecture Hrs./ Week And Practical Hrs./Week	2	Tutorial Hrs./Sem.	-		Credits:	2

Course Objective

To prepare the students to improve the skills in finance

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the fundamental knowledge of Finance	K1
CO2	Understand the concept of financial eco system	K2
CO3	Apply the practical knowledge of technology in finance	K3
CO4	Analyze and develop financial designing skill in real business world	K4
CO5	Evaluate the creation of links between technology and organization	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	H	H	M	M	H	M	M	H	M	H
CO2	M	H	M	H	M	H	H	M	M	H	H	H
CO3	H	H	H	H	H	H	H	M	H	H	H	H
CO4	H	H	H	H	M	H	H	H	H	H	H	H
CO5	M	M	M	H	M	M	H	H	M	H	M	H

Unit	Content	Hours
Unit - 1	Introduction to Finance – Types of Finance	6
Unit - 2	Financial Ecosystem – Players of Financial Ecosystem	6

Unit - 3	Challenges of Financial Services Industry – Financial Technology (FinTech)	6
Unit - 4	FinTech Architecture - Applications of FinTech	6
Unit - 5	FinTech Technologies - Fintech startups	6
	Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Shashi K Gupta, R.K. Sharma	Financial Management Theory and Practice	Kalyani Publisher	2015
2	Dr. Komal Mistry	FinTech in India	Book Rivers Publication	2023

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms.M.Gayathri	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC306			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	4	CC - IV: Corporate Accounting	Semester:	III
					Credits:	5

Course Objective

To develop the students' knowledge on corporate accounting in conformity with the provision of the Companies Act 2013

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the basic concepts and the treatment of shares and debentures.	K1
CO2	Understand the principles of preparing final accounts of a company.	K2
CO3	Apply the accounting concepts for the companies undergoing Amalgamation and Absorption.	K3
CO4	Analyse the consolidated balance sheet of holding company accounts.	K4
CO5	Evaluate the accounting requirements of banking and insurance company	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	H	L	L	H	L	M	M	L	M	H
CO2	H	M	H	L	L	H	L	M	H	M	M	H
CO3	H	M	M	L	L	H	M	H	H	H	M	H
CO4	H	H	M	M	L	M	L	H	H	M	M	M
CO5	H	H	H	L	M	M	M	M	H	M	M	H

Unit	Content	Hours
Unit – 1	Shares – Meaning – Types of Shares – Issue of Shares - Forfeiture and Reissue. Issue of Debentures – Redemption of Debentures.	18
Unit – 2	Preparation of Company Final Accounts.	18
Unit – 3	Amalgamation and Absorption of Companies (excluding Inter-Company Owings and Holdings) - External Reconstruction of Companies.	18

Unit – 4	Holding Company Accounts: Meaning – Mutual Owings - Contingent Liability - Unrealized Profit - Revaluation of Assets - Bonus Issue and Payment of Dividend - Preparation of Consolidated Balance Sheet (Inter Company and Multiple-holdings excluded).	18
Unit – 5	Banking Company Accounts – Rebate on Bills Discounted – Treatment - Preparation of Profit and Loss Account and Balance Sheet. Insurance Company Accounts: Life Insurance – Calculation of Life Assurance Fund - General Insurance (Fire and Marine Insurance only).	18
	Total Contact Hrs	90

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Brain storming and Case study

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Reddy T.S. and A. Murthy	Corporate Accounting	7 th Edition, Chennai: Margham Publications.	2015

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Jain, S.P. and K.L. Narang	Advanced Accountancy (Corporate Accounting)	21 st Edition, New Delhi: Kalyani Publications.	2017
2	Gupta. R.L. and M. Radhaswamy	Advanced Accountancy	Theory, Method and Application-Vol.-1, 1 st Edition, Sultan Chand & Sons, New Delhi	2015
3	Arulanandam, M.A. and K.S. Raman	Advanced Accountancy	6 th Revised Edition, New Delhi: Himalaya Publications.	2019

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.P.Archanaa	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC307			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	-	CC - V : RDBMS	Semester:	III
					Credits:	5

Course Objective

To enrich the knowledge on relational database management system

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the fundamentals of database management system	K1
CO2	Understand the relational database implementation using various models	K2
CO3	Interpret the divisions of SQL commands	K3
CO4	Analyze different forms of sub queries using SQL commands	K4
CO5	Execute PL/SQL architecture and to construct a simple form	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	M	H	M	M	H	L	M	H	M	M	H
CO2	M	H	M	H	M	H	L	M	H	H	H	H
CO3	M	H	L	H	M	H	L	M	H	M	M	M
CO4	M	H	M	H	H	H	M	M	H	H	M	H
CO5	H	M	H	M	H	H	M	M	M	M	H	H

Unit	Content	Hours
Unit – 1	Database Concept – Purpose of Database – Disadvantages of File Based Data Management System – Advantages of having data in a database. DBMS: Meaning – Benefits of using DBMS – Functions of DBMS – Data Dictionary : Meaning – Benefits – Types. Transaction Management – Storage Management – DBA – Database Users.	18

Unit – 2	Database Architecture – Database Abstraction – Data Independence – Classes & Entities – Database Relationship and Associations : One to one relationship, One to many, Many to Many – Data Types. Data Models : Conceptual, Physical & Logical database models – Network model – Hierarchical Data Model – Relational Model – E-R Model : Components of an E-R model – E-R Diagram Conventions.	18
Unit – 3	Oracle: Introduction – Tools of Oracle – Introduction to SQL – Oracle Internal Data Types – Divisions of SQL: Data Definition Language, Data Manipulation Language, Data Control Language and Transaction Control Language. Keys: Primary Key, Foreign Key and Referential Key. SQL * Plus Functions: Date, Character, Numeric, Conversion, Miscellaneous and Group Functions. Set Operators – Relating Data through Join Concept.	18
Unit – 4	Sub-Queries: Meaning - Usage of Sub-Queries. Database Objects: Table, View – Synonym – Sequences – Index. Concept of Locking – Types of Locks. SQL * Plus Formatting Commands: Compute Commands, Title Commands, Setting Page Dimensions and Storing and Printing Query Results.	18
Unit – 5	PL/SQL: Introduction - Advantages – Architecture of PL/SQL Block – Introduction to PL/SQL Block – Attributes. Control Structures – Concept of Error Handling, Cursor Management. Basic Concept of SQL* FORM – Components of an Oracle Form – Simple Form Construction.	18
	Total Contact Hrs	90

Pedagogy and Assessment Methods:

Power point Presentations, Seminar, Assignment, Experience Discussion, Brain storming and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Mathu Krithigha Venkatesh. L	Database Management Systems	Margham Publications, Chennai	2012
2	Ivan Bayross	SQL, PL/SQL the Programming Language of ORACLE	4th Edition, BPB Publications.	2017

Reference Books

24UCC307

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Nilesh Shah	Database System Using Oracle-A Simplified Guide to SQL and PL/SQL	2nd Edition, Pearson Education.	2009
2	Jose A. Ramalho	Learn Oracle 8i	1 st Edition, New Delhi: BPB Publications.	2007
3	Naphtali Rische	Database Fundamentals Design	1 st Edition, New Delhi: Prentice Hall of India Private Ltd.	2007

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr. P. Gomathi Devi	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC3A1			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	GE III – Allied: Principles of Management	Semester:	III	
					Credits:	5	

Course Objective

To familiarize the students with concepts and principles of management

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the fundamentals of management	K1
CO2	Comprehend about the various functions of management	K2
CO3	Apply the decision making principles in business	K3
CO4	Analyse the various motivational theories	K4
CO5	Evaluate and develop the various leadership qualities in real time	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	L	M	M	H	M	M	H	M	H	M
CO2	H	H	L	M	M	H	M	M	H	H	H	M
CO3	H	H	H	H	M	H	H	M	H	H	H	H
CO4	M	M	H	M	H	H	M	H	H	M	L	H
CO5	H	M	H	H	H	H	M	H	H	M	L	M

Unit	Content	Hours
Unit – 1	Management - Meaning and Definition – Nature and Scope of Management - Importance – Functions of Management – Management as an Art, Science and Profession - Role of manager.	15

Unit – 2	Planning - Meaning and Definition – Nature and purpose of Planning – Objectives - Process of Planning –Types of planning - Advantages and Disadvantages of Planning - MBO (Management by objective strategies) -Decision Making- Types of Decision Making	15
Unit – 3	Organising – Meaning and Definition - Importance –Nature and Purpose of Organisation- Formal and Informal Organisation – Organization structure –Types - Line and Staff Authority – Departmentalization - Span of Control – Delegation of authority.	15
Unit – 4	Staffing – Sources of Recruitment - Merits and Demerits of Internal and External Sources - Motivation – Needs of Motivation – Maslow’s Theory of Motivation – Motivation Theories in Management – X, Y and Z theories - Communication – Types – Importance of Communication in an Organization- Barriers to effective communication	15
Unit – 5	Controlling: Process of control - Types of control – budgetary and non-budgetary control- Leadership - Type of leadership styles – Qualities of a Good Leader.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar, Assignment, Experience Discussion and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Dinkar Pagare	Business Management	6 th Edition, Sultan Chand & Sons, New Delhi	2018

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Jayashankar J.	Principles of Management	3 rd Edition, Chennai: Margham Publications	2016
2	Tripathi, P.C. and P.N. Reddy	Principles of Management	Revised Edition, New Delhi: Tata McGraw Hill Publishing Co. Pvt. Ltd.	2021
3	Prasad, L.M.	Principles and Practice of Management	10 th Edition, Sultan Chand & Sons. New Delhi	2021

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr. R. Ramya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC3A2			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	GE III – Allied: Business Organization and Office Management	Semester:	III
					Credits:	5

Course Objective

To enable the students to develop a basic knowledge on business and office management

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the essentials of a Business	K1
CO2	Understand the different forms of organisation	K2
CO3	Implement Government policies and analyse the social responsibilities of a Business Concern.	K3
CO4	Analyse the structure of office layout and office environment features.	K4
CO5	Assess the elements of office management	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	L	M	H	H	L	H	L	M	H	L
CO2	H	M	L	H	H	L	M	H	M	M	H	M
CO3	H	H	M	L	L	M	H	H	M	M	H	H
CO4	H	L	H	M	L	M	H	H	H	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	L	M

Unit	Content	Hours
Unit – 1	Business: Meaning - Characteristics of Business – Divisions– Objectives– Requisites for success in Modern Business – Qualities of a business man. Industrial Revolution – Industrialization in India – Problems in Launching an Enterprise.	15

Unit – 2	Forms of Organisation: Sole Proprietorship, Partnership, Joint Stock Company and Co-operative Society - Family Business: Meaning – Definition -Types	15
Unit – 3	Rationalisation: Features – Measures. Combinations: Causes – Forms. Government & Business: New Industrial Policy – Social Responsibilities of a business Firm	15
Unit – 4	Office Management – Elements – Functions – Office Manager – Characteristics – Qualification – Functions. Organisation: Principles – Forms. Centralization and Decentralization.	15
Unit – 5	Office Accommodation: Location – Office Building – Office Layout – Office Environment.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar, Quiz, Assignment, Experience Discussion and Case study

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Bhushan. Y.K.	Fundamentals of Business Organisation and Management	19 th Edition, New Delhi: Sultan Chand & Sons.	2020
2.	Kathiresan. S and Dr.V.Radha	Office Management	Reprint, Chennai: Prasanna Publishers.	2011

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	T.K. Sharama, Sashi. K.Gupta & Rahul Sharma	Business Organisation and Management	Kalyani Publication – 1 st Edition	2021
2	Dr. S.C. Saksena	Business Organisation and Management	Sahithya Bhawan Publications – 1 st Edition	2019

3	Sherlekar. S. A and Sherlekar. V. S	Modern Business Organisation and Management Systems Approach	Reprint, Mumbai: Himalaya Publishing House	2018
---	--	---	--	------

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr. T. Vijaya Chithra	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC308			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	4	Tutorial Hrs./Sem.	-	CC Lab - III : RDBMS	Semester:	III
					Credits:	2

Course Objective

To develop and manage the relational database design

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the various SQL commands in table creation	K1
CO2	Understand the usage of different DML & DCL commands	K2
CO3	Apply the database objects using SQL commands	K3
CO4	Analyse a database design using SQL and PL/SQL commands	K4
CO5	Evaluate the PL/SQL blocks in creating an oracle application	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	L	M	M	H	M	M	M	M	H	L	M
CO2	H	M	H	H	H	M	M	H	H	H	M	M
CO3	H	H	H	M	H	M	H	H	H	M	M	H
CO4	H	H	H	H	H	H	H	H	H	M	M	H
CO5	H	H	M	M	M	H	H	H	H	H	M	H

Content	Hours
<p style="text-align: center;"><u>SQL</u></p> <ol style="list-style-type: none"> Create a table for employee details using DDL Commands. Create a table for sales details using DML Commands. Create a table for item details using DCL & TCL Commands. Create a table for student details and verify the following data constraints. <ol style="list-style-type: none"> Primary Key Reference Key Default Key Create a table for employee details and verify the following data constraints. <ol style="list-style-type: none"> Not Null Unique Key Check 	30

6. Create a table for student attendance and mark details and combine the results of two queries using the set operators.	
7. Create a table and perform SQL * Plus functions – Group and single row functions	
8. Create a table and display the database objects in partition view	
<u>PL / SQL</u>	
9. Create a PL/SQL block and retrieve the records stored in the employee table.	
10. Create a PL/SQL program to calculate the bonus of employees based on their salary.	
11. Develop PL/SQL block to check the availability of stock for the given product	
12. Create a PL/SQL program to display the multiplication table	
13. Create a table for student mark details by using percentage type under PL/SQL attribute concept.	
14. Generate a program in PL/SQL to calculate the simple interest.	
15. Write a program to calculate the discount on sales in PL/SQL.	
Total Contact Hrs	60

Pedagogy and Assessment Methods:

Power point Presentations, Experience Discussion, Brain storming and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Jose A. Ramalho.	Learn Oracle 8i	1 st Edition, New Delhi: BPB Publications.	2007

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	William G.Paye Jr	Oracle 8i	Prentice Hall of India Private Ltd, New Dehi, 1999	2011
2	Naphtali Rishe	Database Design Fundamentals	1 st Edition, New Delhi: Prentice Hall of India Private Ltd.	2007

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr. P. Gomathi Devi	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC3N1			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-	Non Major Elective - I : Business and Professional Correspondence	Semester:	III
					Credits:	2

Course Objective

To develop the Business and Professional Correspondence written skills of the students

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the structure of Business and Professional Correspondence	K1
CO2	Acquire the conceptual knowledge on various forms of Business and Professional Correspondence	K2
CO3	Develop written communication skills needed in business and Professional fields.	K3
CO4	Understand the format of preparing resume, agenda and minutes	K4
CO5	Evaluate student's professional writing skill to draft clear and effective business correspondence.	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	L	M	M	H	M	M	M	M	H	L	M
CO2	H	M	H	H	H	M	M	H	H	H	M	M
CO3	H	H	H	M	H	M	H	H	H	M	M	H
CO4	H	H	H	H	H	H	H	H	H	M	M	H
CO5	H	H	M	M	M	H	H	H	H	H	M	H

Unit	Content	Hours
Unit – 1	1. Advertisement for inviting Quotations 2. Preparation of Quotations 3. Report on Quotations 4. Placing Orders and Letter of acceptance 5. Reminders 6. Despatch letters and acknowledgement	15

	7. Complaint Letters	
Unit – 2	8. Circulars for meeting 9. Drafting Agenda for the meeting 10. Drafting Minutes of the meeting 11. Bank Correspondence 12. Insurance Correspondence 13. Advertisement for Recruitment 14. Preparation of Resume 15. Draft a letter for Fees Structure, on-duty and Bonafide certificate.	15
	Total Contact Hrs	30

Pedagogy and Assessment Methods

Power point Presentations, Assignment, Experience Discussion and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	R C Sharma , Krishna Mohan , Virendra Singh Nirban	Business Correspondence and Report Writing	6 th Edition, & McGraw Hill	2020

Reference Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS\EDITION	YEAR OF PUBLICATION
1	Ramesh, M.S., C.C. Pattanshetti	Business Communication	28 th Edition, New Delhi: Chand & Company.	2011
2	Arun Sagar Anand	Business Letters	1 st Edition V & S Publisher	2017

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms. P. Divya Bharathi	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC3N2			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-	Non Major Elective - I :Supply Chain Management	Semester:	III	
					Credits:	2	

Course Objective

To improve the knowledge of students in the areas of product delivery system

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the significance of supply chain	K1
CO2	Understand the various distribution networks	K2
CO3	Apply the forecasting methods in supply chain	K3
CO4	Analyse the use of information technology in supply chain management.	K4
CO5	Decide the planning and sourcing decision in supply chain	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	L	M	M	H	M	M	M	M	H	L	M
CO2	H	M	H	H	H	M	M	H	H	H	M	M
CO3	H	H	H	M	H	M	H	H	H	M	M	H
CO4	H	H	H	H	H	H	H	H	H	M	M	H
CO5	H	H	M	M	M	H	H	H	H	H	M	H

Unit	Content	Hours
Unit – 1	Supply Chain – Introduction – Meaning – Definition - Decision Phases in a Supply Chain - Process View of Supply Chain – Importance - Supply Chain Performance - Supply Chain Drivers and Obstacles.	6
Unit – 2	Designing the Distribution Network in Supply Chain - Network Design in the Supply Chain - Network Design in an Uncertain Environment.	6
Unit – 3	Demand Forecasting in a Supply Chain - Aggregate Planning in the Supply Chain.	6

Unit – 4	Planning and Managing Inventories in a Supply Chain - Managing Economies of Scale in the Supply Chain - Managing Uncertainty in the Supply Chain: Safety Inventory.	6
Unit – 5	Sourcing Decisions in a Supply Chain - Transportation in a Supply Chain - Information Technology and Supply Chain - E-business and Supply Chain.	6
	Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Sunil Chopra and Peter Meindl.	Supply Chain Management	6 th Edition, New Delhi: Prentice Hall.	2016

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Raghuram, G. and N. Rangaraj	Logistics and Supply Chain Management Cases and Concepts	2 nd Edition, New Delhi: Macmillan India Limited.	2015
2	Sunil Chopra	Supply Chain Management: Strategy, Planning and Operation	5 th Edition, New Delhi: Pearson Education Limited.	2015
3	Sahay B.S	Emerging Issues in Supply Chain Management	5 th Edition, New Delhi, Macmillan India Limited.	2018

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature Ms.M.Gayathri	Name and Signature Dr. P. Archanaa	Name and Signature Prof. K. Srinivasan	Name and Signature Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC409			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	4	CC- VI : Cost Accounting	Semester:	IV
					Credits:	4

Course Objective

To expose the students the basic concepts and tools used in cost accounting

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the basics of cost accounting	K1
CO2	Understand the various types of inventory and costing	K2
CO3	Apply the various methods in calculation of labour and overheads	K3
CO4	Analyse the general principles used in process costing.	K4
CO5	Evaluate the contract costing, job costing and reconciliation of cost and financial accounts used in managerial capacity.	K5

Mapping

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO												
CO1	H	H	H	H	M	H	M	L	H	H	M	M
CO2	H	M	H	H	M	H	M	L	M	M	M	M
CO3	H	L	M	H	M	H	M	M	H	H	M	M
CO4	H	H	H	M	H	M	H	H	H	H	H	H
CO5	M	H	L	M	H	M	H	H	M	M	H	M

Unit	Content	Hours
Unit – 1	Cost Accounting: Definition - Meaning and Scope - Relationship of Cost Accounting with Financial Accounting and Management Accounting - Costing as an Aid to Management – Limitations and Objections against Cost Accounting - Elements of Cost - Cost Sheet.	15
Unit – 2	Inventory Control Techniques – Materials - Levels of Inventory – EOQ - Methods of Valuing Material Issues – FIFO – LIFO - Simple Average - Weighted Average	15
Unit – 3	Labour – Methods of Payment Systems: Time Rate and Piece Rate System.	15

	Incentive Systems: Halsey and Rowan. Overheads: Meaning - Classification – Allocation, Apportionment & Absorption of Overheads – Computation of Labour Cost.	
Unit – 4	Process Costing – Meaning - Features - General Principles - Process Losses - Normal Loss-Abnormal Loss - Abnormal Gain. (Excluding Equivalent Production) Service costing (Simple Problems only).	15
Unit – 5	Contract and Job Costing – Reconciliation of Cost and Financial Accounts	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Jain, S.P. and K Narang	Cost Accounting and Principles and Practice	23 rd Edition, New Delhi, Kalyani Publishers.	2020

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Pillai, R.S.N. and V. Bagavathi	Management Accounting	5 th Revised Edition, New Delhi: S. Chand Company Limited.	2015
2	Khan. M.Y and Jain. P.K	Cost Accounting and Financial Management	New Delhi ,Tata MC Graw Hill Education Private Ltd.	2017
3	Saxena, V.K. and C.D. Vashist	Essentials of Cost Accounting	2 nd Edition, New Delhi: Sultan Chand & Sons.	2014

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature Dr. P. Gomathi Devi	Name and Signature Dr. P. Archanaa	Name and Signature Prof. K. Srinivasan	Name and Signature Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC4A1			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	5	GE IV - Allied : Business Statistics	Semester	IV	
					Credits:	4	

Course Objective

To enable the students to apply statistical tools in business analysis

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the basic terms and concepts in statistics	K1
CO2	Acquire knowledge on methods to calculate median, Harmonic mean and Geometric mean.	K2
CO3	Apply basic statistical calculations in business problems	K3
CO4	Analyse the range of problems using the statistical techniques	K4
CO5	Determine the business conditions using correlation and regression analysis	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	M	H	L	M	M	H	H	M	H	M	H
CO2	H	M	M	L	M	M	H	H	M	M	M	H
CO3	H	H	H	M	M	H	M	H	M	H	H	H
CO4	H	H	H	M	L	M	L	H	L	H	H	M
CO5	H	H	H	L	L	L	M	H	L	H	H	M

Unit	Content	Hours
Unit – 1	Statistics: Meaning and Definition – Function – Characteristics - Scope and Uses – Limitations . Measures of Central Tendency : Arithmetic Mean : Raw Data – Discrete series – Continuous series (Exclusive and inclusive class intervals).	15
Unit – 2	Methods of Finding Median : Discrete series – Continuous series . Mode: Discrete series – Continuous series - Harmonic Mean - Geometric Mean	15
Unit – 3	Measures of Dispersion: Range – Quartile Deviation – Average Deviation - Standard Deviation: Discrete series – Continuous series – Combined Standard	15

	Deviation. Co – Efficient of Variation : Variance – Discrete series – Continuous series	
Unit – 4	Correlation: Definition - Types of Correlation, Karl Pearson’s Correlation. Rank Correlation – Definition - Spearman’s Rank Correlation Coefficient.	15
Unit – 5	Regression: Definition – Uses – Difference between Correlation and Regression – Regression lines - Simple Problems- Uses of SPSS in Correlation and Regression.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power Point Presentations, Group discussions, Assignment, Experience Discussion, Brain storming and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Navaneetham.P.A	Business Mathematics & Statistics	Jai Publishers, Trichy	2019

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Gupta, S.P.	Statistical Methods	42 nd Revised Edition, New Delhi: Sultan Chand & Sons Company Limited	2017
2	Pillai, R.S.N and Bagavathi	Statistics Theory and Practice	New Delhi: Sultan Chand & Sons Private Limited	2013
3	Sivathanu Pillai. M	Economic and Business Statistics	Chennai: Progress Corporation Ltd.	2017

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Deepa	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC4A2			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	5	GE IV - Allied : Operations Research - II	Semester	IV
					Credits:	4

Course Objective

To impart knowledge in Simplex Method, Assignment Problems, Sequencing Problems and Transportation Problem

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Construct linear integer programming models and discuss the solution techniques	K1
CO2	Apply techniques constructively to make effective decisions in business and solve problems in industry.	K2
CO3	Apply transportation and assignment problems in making business decisions	K3
CO4	Analyze the skills to achieve their objective using sequencing models.	K4
CO5	Appreciate the mathematical basis for business decision making	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO 1	PSO 2
CO1	M	H	M	M	H	H	M	H	L	M	H	L
CO2	H	L	M	H	H	M	M	H	M	H	H	M
CO3	H	H	M	H	M	M	M	H	M	H	H	H
CO4	M	M	H	L	M	M	H	H	M	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	L	M

Unit	Content	Hours
Unit - 1	Operations Research: Introduction – Definition - LPP : Graphical Solution Method – General Linear Programming Problem	15
Unit - 2	Simplex Method: Basic Solutions and Degenerate Solutions to Linear Equation – Simplex Method (Simple Problems)	15

Unit - 3	Assignment Problem: Definition – Assignment Algorithm – Hungarian Assignment – Unbalanced Assignment Method.	14
Unit - 4	Sequencing Problems: Introduction – Problem with ‘n’ Jobs and 2 Machines – Problems with ‘n’ Jobs & ‘3’ Machines - Problems with ‘n’ Jobs & ‘k’ Machines (Simple Problems only).	16
Unit - 5	Transportation Problem: Row Minimum – Column Minimum – North West Corner Rule – Least Cost Method	15
	Total Contact Hrs	75

Note:

The question paper shall cover 20% theory and 80% problems

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar ,Quiz, Assignment, Experience Discussion

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Vittal, P.R. & V. Malini,	Operations Research	1 st Edition, Chennai: Margham Publications.	2012

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Kanti Swarup, P.K. Gupta & Manmohan	Problems in Operations Research	12 th Edition, New Delhi: S. Chand & Sons	2019
2	Panneerselvam, R	Operations Research	2 nd Edition, New Delhi: Prentice Hall of India Pvt. Ltd	2016
3	S. Dharani Venkata Krishnan	Operations Research Principles and Problems-	Keerthi Publishing House Pvt., Ltd.	2014

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Shanmugapriya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC410			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	5 (1+4)	Tutorial Hrs./Sem.	-	CC Lab - IV : Visual Basic.Net	Semester:	IV	
					Credits:	2	

Course Objective

To develop the business application software using Visual Basic.Net

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the fundamental concepts of visual basic.Net programming	K1
CO2	Understand the significance of visual basic.Net programming for software development	K2
CO3	Deploy multiple forms and arrays in generating VB.Net applications.	K3
CO4	Analyse the integration of back end with front end tool using DAO control	K4
CO5	Execute the various control structures to create application software	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	L	M	H	H	H	H	H	M	M	H	M	H
CO2	L	M	H	H	H	M	H	L	M	H	M	H
CO3	L	M	H	H	H	M	H	L	M	H	M	H
CO4	M	M	M	H	H	H	H	M	M	H	M	H
CO5	M	M	H	H	H	H	H	L	M	H	M	H

Programs	Hours
1. Create a VB application to calculate simple and compound interest 2. Develop a quiz application in Visual Basic. 3. Create a VB application with File, Edit and Format Menus and perform its operations. 4. Develop a VB program to count number of words in a text. 5. Create a Program to select, add and delete a place in the List Box.	75

6. Design a form to show the employee pay slip using if statement.
7. Design a simple calculator.
8. Design a student Login Form using Functions
9. Prepare an advertisement banner using VB application.
10. Develop an Application to move an object using Timer Control
11. Design a super market bill using VB application
12. Create a VB application to prepare inventory control.
13. Create a student database in Ms-Access. Display the information in the VB form using data control. Perform various manipulations.
14. Create an employee database in Ms-Access and display the information in the VB form using data control. Perform various manipulations.
15. Design a Electricity Bill using DAO / ADO Control by considering the following conditions:

Unit Consumed	Rate Per Unit (Rs.)
Up to 100 Units	NIL
101 to 200 Units	3.50
200 to 500 Units	4.60
Above 500 Units	6.60

Pedagogy and Assessment Methods

Power Point Presentations, Assignment, Experience Discussion and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Jeffrey R. Shapiro	Visual Basic.NET	1 st Edition – McGraw Hill Education Pvt., Ltd., Noida	2017

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	V.Christy	Programming in VB.Net	1 st Edition – Laxmi Publications	2015

2	Julia Case Bradley, Anita Millspaugh	Programming in Visual Basic.Net	4 th Edition - Tata McGraw- Hill Education Pvt. Ltd.	2022
---	--	------------------------------------	--	------

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.T.Vijaya Chithra	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC411			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	4	Tutorial Hrs./Sem.	-	CC Lab - V : Tally	Semester:	IV
					Credits:	2

Course Objective

To enrich students' practical knowledge in accounting package and to prepare them for job market

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the main features of Tally ERP.9 software	K1
CO2	Understand the steps in preparation of various accounting vouchers	K2
CO3	Apply the knowledge in preparing stock summary, ratio analysis and bank statements	K3
CO4	Analyse the preparation of bill wise statement	K4
CO5	Evaluate the knowledge in preparing final accounts	K5

Mapping

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO												
CO1	M	H	M	M	M	H	H	M	H	M	M	H
CO2	M	H	H	M	M	H	H	M	M	M	M	H
CO3	M	H	H	H	M	H	H	M	H	M	M	H
CO4	M	H	H	M	H	M	H	M	H	M	H	M
CO5	M	H	M	M	H	M	H	H	H	M	H	M

Content	Hours
1. Create a Company and display ledgers 2. Prepare the following Accounting Vouchers: a) Payment Voucher b) Receipt Voucher c) Purchase Voucher d) Sales Voucher e) Contra Voucher f) Journal Voucher 3. Make voucher alteration and deletion 4. Record the transactions of sample data for Trial Balance	60

5. Display a cash book 6. Prepare stock summary 7. Create godown summary 8. Display Bank Reconciliation Statement 9. Prepare cost centre and cost category 10. Display bill-wise statements 11. Calculation of interest 12. Display final accounts of a Company 13. Computation of ratio analysis 14. Display foreign gain or loss 15. Print a Bill with GST	
Total Contact Hrs	60

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Rajesh Chheda	Learn Tally ERP9 with GST & E Way Bill	Ane Books Publications	2018
2	Dr.Namrata Agrawal Sh.Sanjay Kumar	Tally ERP 9	Dream Tech Publications	2019

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.R.Ramya	Dr. P. Archanaa	Prof.K. Srinivasan	Prof.K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC4S1			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-	SEC II: Naan Mudhalvan: Securities Markets	Semester:	IV
					Credits:	2

Course Objective

To prepare the students to improve the knowledge in securities market.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the fundamental knowledge of securities market	K1
CO2	Understand the concept of technological concepts in securities market	K2
CO3	Apply the practical knowledge of Asset Allocation and Diversification	K3
CO4	Analyze the Regulatory Framework in business	K4
CO5	Evaluate the Market Structure	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	H	H	M	M	H	M	M	H	M	H
CO2	M	H	M	H	M	H	H	M	M	H	H	H
CO3	H	H	H	H	H	H	H	M	H	H	H	H
CO4	H	H	H	H	M	H	H	H	H	H	H	H
CO5	M	M	M	H	M	M	H	H	M	H	M	H

Unit	Content	Hours
Unit - 1	Securities Market – Participants and Structure	6
Unit - 2	Role of Securities Markets - Technological advancements in the securities market	6
Unit - 3	Securities available in the securities market - Asset Allocation and Diversification	6

Unit - 4	Primary Market: Definition and Functions - Regulatory Framework	6
Unit - 5	Role and Function of the Secondary Market - Market Structure and Participants	6
	Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Balachandran V	Securities Market & Regulations	Publisher: Sultan Chand & Sons	2023
2	V. A. Avadhani	Securities Analysis And Portfolio Management	Himalaya Publishing House	2023

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.T.Mohanasundari	Dr. P. Archanaa	Prof. K. Srinivasan	Prof.K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC4S2			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-	SEC II: Naan Mudhalvan: Mutual Funds Foundation	Semester:	IV	
					Credits:	2	

Course Objective

To prepare the students to improve the knowledge in mutual funds

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the fundamental knowledge of mutual funds	K1
CO2	Understand the concept of Mutual Fund Structure	K2
CO3	Apply the practical knowledge of Performance of Mutual fund Products	K3
CO4	Analyze the Schemes of Mutual Funds	K4
CO5	Evaluate the Fund Distribution.	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	H	H	M	M	H	M	M	H	M	H
CO2	M	H	M	H	M	H	H	M	M	H	H	H
CO3	H	H	H	H	H	H	H	M	H	H	H	H
CO4	H	H	H	H	M	H	H	H	H	H	H	H
CO5	M	M	M	H	M	M	H	H	M	H	M	H

Unit	Content	Hours
Unit - 1	Concept of Mutual Fund - Role of Mutual Fund in Economy.	6
Unit - 2	Mutual Fund Structure - Constituents.	6
Unit - 3	Mutual Fund Products – Performance of Products	6
Unit - 4	Returns of MF – Schemes of MF	6

Unit - 5	Fund Distribution - Sales Practices.	6
	Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Balachandran V	Securities Market & Regulations	Publisher: Sultan Chand & Sons	2023
2	V. A. Avadhani	Securities Analysis And Portfolio Management	Himalaya Publishing House	2023

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Nirmala	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC4N1			Course Title	Batch:	2024 - 2027
				Non Major Elective - II : Commerce & Computer Application Practical	Semester:	IV
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-		Credits:	2

Course Objective

To enrich the students' knowledge in basic form filling and to develop their skills in utilizing various online applications

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the filling of various forms in business	K1
CO2	Understand the new concepts used in Commerce and Computer arena	K2
CO3	Apply practical experience in business transactions	K3
CO4	Analyse the knowledge of computer in various online business applications	K4
CO5	Assess the students' knowledge on real business operations	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	L	M	H	M	H	H	M	L	H	M	H	M
CO2	L	M	H	H	H	L	M	L	H	M	H	M
CO3	L	H	M	M	H	L	M	M	H	H	L	H
CO4	H	M	H	H	H	M	H	H	L	H	L	H
CO5	H	M	H	M	H	H	H	H	L	L	H	M

Commerce Practical	Hours
1. Pay roll & Pay slip	
2. Product Design Canvas	
3. Bank Account Opening Form and Change of Nominee in Bank Account - Form	

4. Pay-in-Slip and Withdrawal Slip 5. Cheque and Demand Draft (DD) Challan 6. RTGS and NEFT form 7. Filling of Post Office RD Form 8. Share Application Form and DEMAT Account Opening Form 9. Partnership Registration Form 10. Company Registration Form	30
Computer Application Practical	
1. Preparation of Resume with resume wizard 2. Preparation of Resume without using resume wizard 3. Invite board members for annual meeting using mail merge concept 4. Preparation of Employee Payroll using formulas. 5. Preparation of spreadsheet for EMI calculation. 6. Preparation of Sales Report using charts 7. Create students mark list with necessary information using access 8. Online insurance premium payment 9. Online employment registration and renewal 10. Registration of user in the portal of Tamil Nadu Registration Department. 11. Online Application for PAN Card 12. Creation of profile in LinkedIn with basic and academic details	
Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion and Activity

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Mr.S.Rajagopalan	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC4N2			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-	Non Major Elective - II : Retail Management	Semester:	IV
					Credits:	2

Course Objective

To expose the students in the area of retail marketing management

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	State the fundamentals of retailing and types of retailing	K1
CO2	Understand the retail planning and retail brand management	K2
CO3	Apply the strategies in retail location decision.	K3
CO4	Analyse the aspects of retail pricing and retail promotion.	K4
CO5	Evaluate the needs of applying information technology in retail market	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	L	M	H	H	L	H	L	M	H	L
CO2	H	M	L	H	H	L	M	H	M	M	H	M
CO3	L	H	M	L	L	M	H	H	M	M	H	H
CO4	L	L	H	M	L	M	H	H	H	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	L	M

Unit	Content	Hours
Unit – 1	Introduction to Retailing: Retailing - Definition and functions - Importance of retailing in marketing - Types of retailing - Store and Non Store retailing - Retailing in India.	6
Unit – 2	Retail Planning: Retail planning: Purpose – Methods - Structure and Monitoring the plan - Retail Brand Management: Positioning. Types of Brand - Life Cycle of Brand.	6

Unit – 3	Retail Location: Retail location decision - Trading area analysis - Types of location - Site evaluation - Store design: Layout and space management - Visual merchandising and displays.	6
Unit – 4	Retail Pricing: Retail pricing: Approaches - Influencing factors - Price sensitivity and mark down policy. Retail Promotion: Retail promotion – Setting objectives – Role of Promotional methods in retailing.	6
Unit – 5	Application of IT in Retail: Impact of information technology in retailing - Integrated systems and Networking EDI – Bar Coding - Customer database management - Electronic retailing.	6
	Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Swapna Pradhan	Retailing Management	6 th Reprint, New Delhi: Tata McGraw Hill Education.	2020

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Levin, I.M. and B.A. Weitz	Retailing Management	New Delhi: Tata Mc Graw Hill Publishing Company Ltd.	2019
2	Chetan Bajaj, Rajnish Tuli and Nidhi V. Srivastava	Retail Management	2 nd Edition, New Delhi: Oxford University Press.	2005
3	Barry Berman and Joel R. Evans	Retail Management - A Strategic Approach	12 th Edition, Prentice Hall. Chennai	2012

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Mr.S.Rajagopalan	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC512			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	4	CC - VII : Income Tax	Semester:	V	
					Credits:	5	

Course Objective

To facilitate the students to gain adequate knowledge in Income-Tax

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the fundamental concepts used in Income Tax	K1
CO2	Get an idea of residential status of assesses and incomes exempted from tax	K2
CO3	Apply the procedure in computation of income from salaries and house	K3
CO4	Analyse the skills in computation of income from business or profession, capital gains and income from other sources	K4
CO5	Measure the skills in set off and carry forward of losses and to analyse tax liability of an individual	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	L	M	H	H	L	H	L	M	H	L
CO2	H	M	L	H	H	L	M	H	M	M	H	M
CO3	H	H	M	L	L	M	H	H	M	M	H	H
CO4	H	L	H	M	L	M	H	H	H	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	L	M

Unit	Content	Hours
Unit – 1	Income Tax – Introduction –Definitions under Income Tax Act – Person – Assesses – Income – Gross Total Income – Total Income – Assessment Year – Previous Year – Exception to General Rule – Residential Status – Scope of Total Income	18

Unit – 2	Income from Salaries - Computation of Income from Salary – Allowances – Perquisites - Profit in Lieu of Salary – Gratuity – Pension - Leave encashment - Retrenchment compensation - Deductions out of Gross Salary	18
Unit – 3	Income from House Property – Annual Value Computation - Let out House and Self-Occupied House- Income from Capital Gains- Short -term and long-term Capital Gains – Exempted Capital Gains.	18
Unit – 4	Profits and Gains of Business and Profession – Business Vs Profession - Computation of Profits and Gains of Business and Computation of Professional Income – Doctors, Chartered Accountant and Lawyer.	18
Unit – 5	Income from other Sources-General Income-Specific Income – Carry Forward and Set off of Losses. Exempted Incomes- Deductions from Gross Total Income - 80C to 80GG, 80QQB and 80U (Theory only).	18
	Total Contact Hrs	90

Pedagogy and Assessment Methods:

Group discussions, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	V.P.Gaur, D.B. Narang, Puja Gaur and Rajeev Puri	Income Tax Law and Practice	48 th Edition, New Delhi, Kalyani Publishers.	2023 – 24

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	H.C. Mehrotra and S.P. Goyal	Income Tax Law and Account	60 th Edition, New Delhi, Sahitya Bhavan Publisher	2023 – 24
2	Bhagawathi Prasad	Law & Practice of Income Tax in India	New Delhi, Current Edition, Navman Prakashan Aligarh.	2020

Note:

24UCC512

Problems shall be confined to Residential Status, Income from Salaries- Profits and Gains of Business or Profession, Income from House Property and Capital Gains, Other sources, Set Off, Carry Forward and Set Off of Losses and deductions applicable to individuals only

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.T.Mohana Sundari	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC513			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	CC -VIII: Programming in C++& Python	Semester:	V
					Credits:	3

Course Objective

To promote the students' knowledge in 'C++' and python

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the basic concepts of C++ language.	K1
CO2	Apprehend the knowledge on Functions, Classes and Objects.	K2
CO3	Implement the concepts of Constructors, Destructors and Operator Overloading.	K3
CO4	Inference python programs for data types using objects and functions.	K6
CO5	To learn how to use lists, tuples, and dictionaries in Python programs.	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	L	H	H	H	H	M	H	H	H	H	M	H
CO2	L	H	H	H	H	M	H	H	M	H	M	H
CO3	M	H	H	H	H	M	H	H	M	H	M	H
CO4	L	H	H	H	H	H	M	H	H	H	M	L
CO5	M	H	H	H	H	H	M	H	H	H	M	L

Unit	Content	Hours
Unit – 1	Object Oriented Programming Language: Basic concepts – Benefits – Introduction to C++ : Applications – Structure of C++ programming – Tokens – Keywords – identifiers and Constants – Basic Data Types: User Defined data types – Derived data types – Declaration of variables – Dynamic initialisation –Operators - Manipulators – Operator overloading – Control Structures.	15

Unit – 2	Functions in C++: Introduction –The Main Function- Function prototyping – Call and return by reference – Default and Const Arguments – Function Overloading. Class and Objects: Introduction- Defining member Function – Rules for Inline function - Arrays: Arrays within a class- Arrays of Objects.	15
Unit – 3	Constructors and Destructors: Introduction – parameterized constructors – Multiple constructors- constructors with default arguments – copy constructor- dynamic constructors- Destructors. Operator overloading: Introduction – Rules- overloading unary and binary operators – Type conversion. Inheritance, Pointers and polymorphism: Types of Inheritance – Pointers to derived classes – Virtual functions – Pure Virtual functions.	15
Unit – 4	Python: Introduction-features-Comparative Study-Comments-Variables and Assignments. Python Objects: Standard types-Built-in-type Internal type-Standard type operator and Built-in functions-Categorizing standard type Unsupported type. Numbers: Introduction- Integer-Floating Point-Complex numbers-Operators-Built-in and factory functions. Sequences- Strings-Strings and Operator-String only operator- Built-in-Functions-Built-in-Methods-String Features-Unicode.	15
Unit – 5	Python: LISTS: List-list slices-list methods-list loop–mutability–aliasing-cloning lists list parameters. TUPLES: Tuple assignment, tuple as return value-Sets– Dictionaries. Functions Definition - Passing parameters to a Function - Built-in functions- Variable Number of Arguments – Scope – Type conversion- Modules - Standard Modules – sys – math – time - dir -help Function.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Balagurusamy, E	Object oriented Programming with C++	8 th Edition, NOIDA, McGraw-Hill Education, India Pvt. Ltd.	2020

2.	Aditya Kanetkar,	Programming in Python	BPB publications	2020
----	------------------	-----------------------	------------------	------

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Rashid Raza Ansari, Dipankar Chowdhury, Raman Jha	C++ Programming in Easy Steps	1 st Edition, Notion Press Media Pvt Ltd., Chennai	2018
2	Bud Tenny	C++ for Beginners	1 st Edition, Notion Press Media Pvt Ltd., Chennai	2022
3.	Harsh Bhasin	Python for Beginners	New Age International (P) Ltd Publishers	2018
4.	O'Reilly	Media, Learning Python	5th Edition Fifth Edition	2013

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms. D. Saranya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC514			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	-	Tutorial Hrs./Sem.	-	CC - IX : Institutional Training	Semester:	V	
					Credits:	2	

Course Objective

To enable the students to develop an application oriented software

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the practical knowledge in real business applications	K1
CO2	Understand the real applications in business	K2
CO3	Apply the theoretical knowledge in practical business	K3
CO4	Analyse the outside business exposure	K4
CO5	Evaluate the business process	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	H	M	M	M	H	H	M	M	H	H
CO2	H	H	H	L	L	H	H	H	M	M	H	H
CO3	H	H	H	L	M	H	H	H	H	M	H	H
CO4	M	H	H	L	M	H	M	H	H	M	M	H
CO5	H	H	H	L	M	H	M	H	H	M	L	H

Content	Hours
<ol style="list-style-type: none"> The student has to undergo training in financial institutions / companies for a period of 30 days in the fourth semester vacation Work Diary should be maintained with Attendance Certificate Maximum of two students are permitted to undergo training in the same institution. Student Evaluation: Internal and External Examiner 	

Pedagogy and Assessment Methods:

Experience Discussion and Activity

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
All Staff Members	Dr. P. Archanaa	Prof.K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title:	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC5E1			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	DSE -I :Digital Marketing	Semester:	V	
					Credits:	4	

Course Objective

To endow with the knowledge of Digital Marketing Trends

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the Basics of Marketing	K1
CO2	Understand the idea about Digital Marketing and its Recent Trends	K2
CO3	Apply the Web Planning and Creation strategy in digital marketing and to expose the concepts of Search Engine Optimization	K3
CO4	Analyze the concepts of Search Engine Marketing	K4
CO5	Analyse the pros and cons of various Digital Marketing Platforms and on E-Marketing Ethics	K4

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	M	H	M	M	H	L	M	H	M	M	H
CO2	M	H	M	H	M	H	L	M	H	H	H	H
CO3	M	H	L	H	M	H	L	M	H	M	M	M
CO4	M	H	M	H	H	H	M	M	H	H	M	H
CO5	H	M	H	M	H	H	M	M	M	M	H	H

Unit	Content	Hours
Unit – 1	Market – Meaning - Classification of Market - Marketing – Meaning – Difference between Marketing and Selling – Objectives of Marketing –	16

	Importance of Marketing – Evolution of Concepts of Marketing – Functions of Marketing - Product Policy - Product Planning and Development - Product Life Cycle –Product Mix.	
Unit – 2	Digital Marketing: Introduction – Importance – Difference between Traditional and Digital Marketing – Digital Marketing as a tool for Success – Competitive Analysis – Digital Marketing Strategies – Recent Trends and Current Scenario of Industry.	14
Unit – 3	Website Planning and Creation: WordPress Functionality – Steps in Website Development – Design Elements – Content Adding – Installing and Activating Plugins – Functionality. Search Engine Optimization (SEO): Introduction – Functionality – On-Page SEO: Content Research – Keyword Research – Meta Tags. Off-Page SEO: Link Building – Factors affecting the Rank of Webpage	15
Unit – 4	Search Engine Marketing: Features of Ads Platform – Creating Campaigns – Search Volume – Google Adwords – Ad Creation – Site & Keyword Targeting – CPC, CPA & CPM based Accounts – Demographic Targeting – Google Keyword Planner	14
Unit – 5	Forms of Digital Marketing: Meaning – Importance –Advantages – Disadvantages - Social Media Marketing – Content Marketing & Strategy – Web Analytics – Email Marketing – Mobile Marketing – Adsense, Blogging and Affiliate Marketing – Video Marketing - Global Marketing –Tele marketing- Viral Marketing- Green Marketing – E-Marketing Ethics.	16
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

PowerPoint Presentations, Group discussions, Seminar ,Quiz, Assignment, Experience Discussion, Brain storming, Activity and Case study

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Puneet Singh Bhatia	Fundamentals of Digital Marketing	Pearson Education	2023

Reference Books

24UCC5E1

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Satinder Kumar	Digital Marketing	Taxmann Publications Pvt. Ltd.	2023
2	V Venkata Krishna	Digital Marketing for Beginners	Notion Press	2023
3	Dr. T. Vijaya Chithra	Digital Marketing	Red Unicorn Publishing Pvt. Ltd.,	2024

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.T.Vijaya Chithra	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC5E2			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	DSE - I : Entrepreneurial Development	Semester:	V
					Credits:	4

Course Objective

To encourage students to become an entrepreneur.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the various techniques and process for entrepreneurship	K1
CO2	Understand the importance of becoming entrepreneurs	K2
CO3	Apply the knowledge on various agencies involved in entrepreneurship and formulating a Project	K3
CO4	Analyse and equip to write a business plan.	K4
CO5	Estimate the concepts about women entrepreneurship and rural entrepreneurship	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	L	M	M	H	M	M	H	M	H	M
CO2	H	H	L	M	M	H	M	M	H	H	H	M
CO3	H	H	H	H	M	H	H	M	H	H	H	H
CO4	M	M	H	M	H	H	M	H	H	M	L	H
CO5	H	M	H	H	H	H	M	H	H	M	L	M

Unit	Content	Hours
Unit – 1	Introduction – Concept of Entrepreneur- Characteristics – Qualities – Difference between an entrepreneur and a manager – Functions – Types of entrepreneurs. Entrepreneurship: Nature and characteristics of entrepreneurship – Scope – Factors affecting Entrepreneurial growth.	15
Unit – 2	Entrepreneurship Development Programme (EDP) – Need – Objectives – Course contents – Curriculum of EDPs – phases – Evaluation	15

	Agencies involved: IDBI – IRBI – IFCI – ICICI – LIC – UTI – SFCs- SIDBI- EXIM – DIC – TIIC – SIDCO. Start ups and Funding Options: Definition. Start ups ecosystem: Support organizations, big companies, universities. Business Incubation: Definition and Principles.	
Unit – 3	Project Identification and Selection – Meaning of project – Classification – Identification – Selection – Project Formulation. Project Report : Meaning – Significance – Contents – Formulation – Guidelines – Network Analysis –Project Appraisal.	15
Unit – 4	Plant Layout & Process Planning: Definition – Types of Plant Layout – Applicability- Objectives – Process Planning. Quality Assurance – Definition – Total Quality Management(TQM) – Benefits – Techniques.	15
Unit – 5	Women Entrepreneurship: Concept – Functions – Growth of Women Entrepreneurship – Problems – Recent Trends. Rural Entrepreneurship: Meaning – Need – Problems – Measures.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar ,Quiz and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Khanka. S.S	Entrepreneurial Development, RevisedEdition	S.Chand & Compa Limited, New Delhi	2020
2.	Anil Kumar S, Poornima S.C, Mini K Abraham, Jayashree. K	Entrepreneurial Development	New Age International (P) Limited, Publishers, New Delhi	2021

Reference Books

24UCC5E2

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Gupta C.B, Srinivasan, N.P	Entrepreneurship Development	Sultan Chand & Sons, New Delhi	2015
2	Saravanel P	Entrepreneurial Development	Ess Pee Kay Publishing House	2020
3	Saravanel P and P. Sumathi	Entrepreneurial Development	Margham Publications	2020

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.P.Archanaa	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC5E3			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	DSE - I :Internet Of Things	Semester:	V
					Credits:	4

Course Objective

Students will be explored to the interconnection and integration of the physical world and the cyber space.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recall IOT Concepts and Requirements.	K1
CO2	Understand IOT Applications & IOT communication.	K2
CO3	Make use of IOT Data Acquisition and Platform.	K3
CO4	Analyze IOT Data Analytics & Visualization.	K4
CO5	Determine IOT Security Protocols.	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	M	M	H	H	L	H	L	M	H	M
CO2	M	M	H	H	H	H	M	H	M	M	H	M
CO3	H	H	M	H	H	M	M	L	M	M	H	H
CO4	L	L	H	M	H	M	H	H	H	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	H	M

Unit	Content	Hours
Unit – 1	IOT Introduction - Concepts and Definitions of the Internet of Things (IOT) -History of IOT- Requirements, Functionalists, and structure of IOT- IOT enabling technologies- IOT Architecture - The major component of IOT (Hardware & Software).	15

Unit – 2	IOT Case Studies - Project Case Study- Project Requirements (hardware & software) - Design IOT Applications (Web, Mobile, Device)- Projects on every technology (At least 4 Projects)- Data Generator - IOT communication and networking protocols, Role of wired and wireless communication.	15
Unit – 3	IOT Data Acquisition & Platform - Micro Controllers - Real-time systems, and embedded software- OS and Drivers (End Device Program)- Hardware & Software Requirements.	16
Unit – 4	IOT Data Communication - IOT Data Storage & Retrieval- Overview and Role of Storage in Cloud / Server /In house Storage- Databases Connectivity with IOT and uses - IOT Data Analytics & Visualization.	14
Unit – 5	IOT Security - Attack, Defense, and Network Robustness of Internet of Things - Malware Propagation and Control in the Internet of Things - Privacy Preservation Data Dissemination - Trust and Trust Models for the IOT - Authentication in IOT - Computational Security for the IOT- Security Protocols for IOT Access Networks- Security Testing.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Seminar, Power Point Presentation, Chalk and talk, Quiz, Assignments, Group Task.

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Vijay Madiseti, Arshdeep Bahga	Internet of Things A Hands-On-Approach	Orient Balckswan Private Limited - New Delhi / 1 st	2015
2.	Donald Norris	The Internet of Things	McGraw-Hill Education/1 st	2015

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Adrian McEwen	Designing the Internet of Things	Wiley Publishers/ 1 st	2013
2	Daniel Kellmerit	The Silent Intelligence: The Internet of Things	Lightning Source Inc / 1 st	2014
3	Dr. Gopala Krishna Behara	A Reference Guide to IOT: a Step – by- step Guide to Enterprise Transformation using IOT.	Notion press / 1 st	2022

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.R.Ramya	Dr. P. Archanaa	Prof.K. Srinivasan	Prof.K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC5E4			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	DSE – II: Legal Aspects in Business	Semester:	V	
					Credits:	4	

Course Objective

To provide basic knowledge on the provisions of the Indian Contract Act and the Companies Amendment Act, 2013

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the fundamentals of Contract Act	K1
CO2	Assess the knowledge about different aspects of Goods Act	K2
CO3	Understand the basic characteristics and legal structure and nature of a company	K3
CO4	Analyse about the shares and company meetings	K4
CO5	Evaluate the process followed in winding up of companies	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	M	H	H	L	H	H	H	H	M	M	H
CO2	H	M	H	H	H	H	H	M	M	M	M	M
CO3	H	M	H	H	H	M	M	H	M	L	H	H
CO4	H	M	H	H	M	H	H	H	H	L	H	M
CO5	M	M	H	H	L	H	H	H	H	L	H	H

Unit	Content	Hours
Unit – 1	Business Law : Law – Meaning - Indian Contract Act, 1872 – Contract – Definition – Classification of Contracts – Essential Elements of Valid Contract. Offer – Types – Legal Rules relating to Offer – Acceptance – Essentials of Valid Acceptance – Communication of Offer and Acceptance – Revocation of Offer and Acceptance. Consideration – Essentials of a Valid Consideration	15
Unit – 2	Capacity to Contract – Law relating to Minor, Unsound Mind Person – Persons Disqualified by Law – Free Consent – Coercion – Undue Influence – Fraud – Mistake and Misrepresentation. Contract of Sale of Goods Act 1930 – Rules regarding Delivery of Goods – Rights and Duties of a Buyer and Seller	15
Unit – 3	Company Law: Company– Meaning and Definition – Characteristics – Kinds – Privileges of Private Company – Conversion of a Private Company into a Public Company – Formation of a Company – Difference Between Companies Act 1956 and 2013 - CSR	15
Unit – 4	Memorandum of Association – Meaning and Importance – Alteration – Articles of Association – Content of Articles of Association - Alteration – Prospectus - Management of a Company – Appointment of Directors – Removal of Directors – Legal Position of Directors – Powers, Duties and Liabilities of Directors – Managing Director – Manager – Independent Director.	15
Unit – 5	Company Meetings – Statutory Meeting – Annual General Meetings – Extraordinary General Meetings Winding up of Companies – Modes of winding up – Powers and Duties of Liquidator – National Company Law Tribunal Act (NCLT) – Functions – Advantages.	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power Point Presentations, Seminar, Assignment and Case study

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Kapoor, N.D.	Elements of Mercantile Law	38 th Edition, New Delhi: Sultan Chand & Sons Company Limited.	2020
2	N.D. Kapoor	Company Law and Secretarial Practice	Sultan Chand and Sons publications, 34 th Edition	2020

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Pillai, R.S.N. and Bagavathi	Business Law	3 rd Edition, New Delhi: Sultan Chand & Company Limited.	2011
2	Tulsian, P.C.	Business Law	3 rd Edition, New Delhi: Sri Vishnu Publication	2018
3	Prof. Anil Kumar	Company Law	5 th Edition, Taxmann's Publications Private Limited New Delhi.	2021
4	Dr.G.K.Kapoor, Dr.Sanjay Dhamija	Company Law	24 th Edition, Taxmann's Publications Private Limited.	2022

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Shanmugapriya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC5E5			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	DSE - II : Goods and Service Tax	Semester:	V
					Credits:	4

Course Objective

To impart basic knowledge about Indirect Tax.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the rules and regulation of indirect taxation.	K1
CO2	Understand the rules for registrations and its exemptions in taxation.	K2
CO3	Implement GST and its working mechanisms.	K3
CO4	Analyze and resolve tax problems.	K4
CO5	Assess the knowledge on levying and collection of tax	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	L	M	H	H	L	H	L	M	H	L
CO2	H	L	L	H	H	L	M	M	M	M	M	M
CO3	M	H	M	L	L	H	H	H	M	H	H	H
CO4	H	L	H	M	L	M	H	H	H	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	L	M

Unit	Content	Hours
Unit-1	Indirect Taxes- Meaning and Nature- Special features of Indirect Taxes - Types -Objectives- Direct Taxes Vs. Indirect Taxes -Contribution to Government Revenues- Taxation under the Constitution- Advantages and Disadvantages of Indirect Taxes	15
Unit-2	Introduction and Scope of Customs Law in India-The Customs Act 1962- Types-Levy and Collection from Customs duty- Exemption from Customs	16

	duty- Classification and Valuation of goods under Customs Law - Abatement of duty in Damaged or Deteriorated Goods- Remission on Duty on Lost, Destroyed or Abandoned Goods- Customs Duty Draw Back.	
Unit-3	Goods and Service Tax-Introduction-Meaning-Need for GST-Features of GST- GST Council - Advantages and Disadvantages of GST-Structure of GST in India- Dual Concepts-SGST-CGST-IGST-UTGST- Types of rates under GST- Taxes subsumed under State Goods and Services Tax Act 2017- Taxes subsumed under Central Goods and Services Tax Act 2017	14
Unit-4	Levy and Collection under SGST/CGST Acts- Meaning of Important Term: Goods, Services, Supplier, Business, Manufacture, Casual Taxable person, Aggregate Turnover. Input Tax and Output Tax. Concept of Supply- Composite and Mixed Supplies- Composition Levy- Time of Supply of Goods and Services- Value of Taxable Supply- . Input Tax Credit- Eligibility and Conditions for taking Input Credit- Registration procedure under GST- Filing of Returns	16
Unit-5	Levy and Collection under the Integrated Goods and Service Tax Act 2017- Meaning of Important Terms: Integrated Tax, Intermediary, Location of the Recipient and Supplier of Services, Output Tax. Levy and Collection of Tax- Determination of Nature of supply- Inter-State Supply and Intra-State Supply- Place of Supply of Goods or Services- Zero-Rated Supply.	14
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar, Assignment, Experience Discussion and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Datey V.S.	Indirect Taxes	Mumbai, Taxmann Publications Private Limited	2021

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Balachandran, V	Indirect Taxation	New Delhi, Sultan Chand and Sons	2019
2	C.A. Raj Agarwal	Indirect Taxation	Bharat Law House – 1 st Edition	2018
3	Mittal, J.K.	Law Practice and Procedures of Service Tax	New Delhi, Jain Book Agency	2017

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Deepa	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC5E6			Course Title	Batch:	2023- 2026	
Lecture Hrs./ Week Or Practical Hrs./Week	5	Tutorial Hrs./Sem.	-	DSE - II :ERP and Industry 4.0	Semester:	V	
					Credits:	4	

Course Objective

To prepare the students to develop the basic understanding of how ERP enriches the business organization in achieving a multidimensional growth and to have knowledge on Industry 4.0

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recall the basic concepts of ERP	K1
CO2	Understand the risks involved in ERP	K2
CO3	Make use of various ERP related technologies	K3
CO4	Analyze the necessity of Industry 4.0	K4
CO5	Determine the applications of IoT in various sectors	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	M	M	H	H	L	H	L	M	H	M
CO2	M	M	H	H	H	H	M	H	M	M	H	M
CO3	H	H	M	H	H	M	M	L	M	M	H	H
CO4	L	L	H	M	H	M	H	H	H	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	H	M

Unit	Content	Hours
Unit – 1	Enterprise Resource Planning: Meaning – Common Myths in ERP – History – Reasons for Growth of ERP in Market – Advantages – ERP architectures.	15

Unit – 2	Risks of ERP: People risks – Process risks – Technological risks - Implementation issues – Operation and Maintenance issues – Unique risks of ERP projects – Managing Risks.	15
Unit – 3	ERP and Related Technologies : Business process reengineering – business analytics – E-Commerce - M-Commerce – data warehousing – data mining – online analytical processing – intranets and extranets – technological advancements – computer crimes – ERP and security – computer and security – crime and security	16
Unit – 4	Industry 4.0 - Need – Reason for Adopting Industry 4.0 - Definition – Goals and Design Principles - Technologies of Industry 4.0 – Big Data – Artificial Intelligence (AI) – Industrial Internet of Things - Cloud – Augmented Reality	14
Unit – 5	Applications of IoT – Manufacturing – Healthcare – Education – Aerospace and Defense – Agriculture – Transportation and Logistics – Impact of Industry 4.0 on Society: Impact on Business, Government, People. Tools for Artificial Intelligence, Big Data and Data Analytics, Virtual Reality, Augmented Reality, IoT, Robotics	15
	Total Contact Hrs	75

Pedagogy and Assessment Methods:

Seminar, Power Point Presentation, Chalk and talk, Quiz, Assignments, Group Task.

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Alexis Leon	Enterprise Resource Planning	4 th Edition Tata McGraw Hill, Uttar Pradesh.	2020
2.	P. Kaliraj, T. Devi	Higher Education for Industry 4.0 and Transformation to Education 5.0	Auerbach Publications, Bharathiar University	2022

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Sinha P. Magal and Jeffery Word	Essentials of Business Process and Information System	Wiley India.	2009
2	. Vinod Kumar Garg and N.K. Venkatakrisnan	ERP	Concepts and Practice, 2 nd Edition Prentice Hall of India,	20114
3	Alasdair Gilchrist	Industry 4.0 (The Industrial Internet of Things)	Apress Media	2017

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M. Shanmugapriya	Dr. P. Archanaa	Prof.K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC515			Course Title	Batch:	2023 – 2026	
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	-	CC Lab - VI : C++& Python	Semester:	V	
					Credits:	3	

Course Objective

To equip the students to write object oriented programming language.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Remember the usage of basic concepts of C++	K1
CO2	Understand the loop structures and arrays in application development	K2
CO3	Implement pointers and file concepts to solve the given problem	K3
CO4	Analyse the functions and argument events in generating python	K4
CO5	Execute the ability of developing applications in python using the theoretical exposure of the language	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	L	M	M	H	M	M	H	M	H	M
CO2	H	H	L	M	M	H	M	M	H	H	H	M
CO3	H	H	H	H	M	H	H	M	H	H	H	H
CO4	M	M	H	M	H	H	M	H	H	M	L	H
CO5	H	M	H	H	H	H	M	H	H	M	L	M

Content	Hours
1. Generate a program to illustrate the concept of class and object 2. Generate a program using the concept of Inline Function 3. Write a program using Friend Function C++. 4. Create a program using function overloading 5. Write a program to demonstrate array of objects 6. Construct a program using constructors. 7. Develop a C++ program using the concept of destructors.	

8. Build a program using Single Inheritance.	60
9. Generate a C++ program using Multiple Inheritance.	
10. Design a program to handle overloading unary and binary operators in C++.	
Python	
1. Write a Program to find prime numbers between 1 to n.	30
2. Design a Program to check given number is Armstrong or not.	
3. Write a Program to create a List and split it into two lists for odd and even numbers.	
4. Demonstrate various List operations	
5. Develop a program to accept a line of text and find the number of characters, number of vowels and number of blank spaces in it.	
Total Contact Hrs	90

Pedagogy and Assessment Methods:

Power point Presentations, Assignment and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Balagurusamy, E	Object oriented Programming with C++	8 th Edition, NOIDA, McGraw-Hill Education, India Pvt. Ltd.	2020
2.	Aditya Kanetkar	Programming in Python	BPB publications	2020

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Rashid Raza Ansari, Dipankar Chowdhury, Raman Jha	C++ Programming in Easy Steps	1 st Edition, Notion Press Media Pvt Ltd., Chennai	2018
2	Bud Tenny	C++ for Beginners	1 st Edition, Notion Press Media Pvt Ltd., Chennai	2022

3.	Harsh Bhasin	Python for Beginners	New Age International (P) Ltd Publishers	2018
4.	O'Reilly	Media, Learning Python	5th Edition Fifth Edition	2013

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms. D. Saranya	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC516			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	-	Tutorial Hrs./Sem.	-	CC – X : Project	Semester:	V
					Credits:	4

Course Objective

To enable the students to develop an application oriented software

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the practical knowledge in real business applications	K1
CO2	Understand the real applications in business	K2
CO3	Apply the theoretical knowledge in practical business	K3
CO4	Analyse the outside business exposure	K4
CO5	Evaluate the business process	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	H	M	M	M	H	H	M	M	H	H
CO2	H	H	H	L	L	H	H	H	M	M	H	H
CO3	H	H	H	L	M	H	H	H	H	M	H	H
CO4	M	H	H	L	M	H	M	H	H	M	M	H
CO5	H	H	H	L	M	H	M	H	H	M	L	H

Content	Hours
<p>1. The student has to complete project work in which they will learn various aspects of Commerce and Computer Applications, such as Financial statements analysis, Web page designing, Website development and so on. By undertaking the project work, the students will be able:</p> <ul style="list-style-type: none"> To experiment the concepts learnt. To apply the concepts practically To identify the problems associated 	

<ul style="list-style-type: none"> • To provide solutions to the identified problems • To understand the economic, business and technological environment. <p>2. Group of four members has to do the project work.</p>	24UCC516
--	----------

Pedagogy and Assessment Methods:

Experience Discussion and Activity

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
All Staff Members	Dr. P. Archanaa	Prof. K. Srinivasan	Prof.K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC5S1			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem. m.	-	SEC - III : Commerce and Computer Application Practical	Semester:	V
					Credits:	2

Course Objective

To enrich the students' knowledge in basic form filling and to develop their skills in utilizing various online applications

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recollect the filling of various forms in business	K1
CO2	Understand the new concepts used in Commerce and Computer arena	K2
CO3	Apply the knowledge of computer in various online business applications	K3
CO4	Analyse the practical experience in business transactions	K4
CO5	Assess knowledge on real business operations	K5

Mapping

PO / PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO 2
CO1	H	M	H	M	H	M	H	M	H	M	M	H
CO2	H	L	H	M	H	M	M	L	H	M	M	H
CO3	H	M	M	L	H	M	M	M	M	L	L	H
CO4	H	L	M	L	M	L	L	L	M	L	L	M
CO5	H	M	M	H	L	H	H	M	M	M	H	L

Commerce Practical	Hours
1. Preparation of Pay roll & Pay slip 2. Filling of Pay-in-Slip, Withdrawal Slip and Cheque 3. DD Challan, RTGS and NEFT 4. Filling of Post Office RD Form 5. Share Application Form and Demat Account Opening Form	30

Computer Application Practical	
<ol style="list-style-type: none"> 1. Preparation of Resume with and without using resume wizard 2. Power Point Presentation for Advertisement of a product 3. Online Insurance Premium Payment 4. Online employment registration and renewal 5. Registration of user in the portal of Tamil Nadu Registration Department 6. Online application for PAN Card 7. Online GST Registration 8. Online Passport Application 	
Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion and Activity

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr. P. Archanaa	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA		Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC5S2		Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-	SEC - III : Investment Management	Semester: V
				Credits:	3

Course Objective

To make the students to understand the fundamentals of investment management

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Recall the idea about investments and its various alternatives	K1
CO2	Understand the alternative forms of investment	K2
CO3	Implement the knowledge about fundamental Analysis.	K3
CO4	Analyse the various process involved in technical Analysis.	K4
CO5	Determine the level of awareness regarding investment Risk and Return.	K5

Mapping

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO												
CO1	H	M	H	M	H	M	H	M	H	M	M	H
CO2	M	L	H	H	H	L	M	L	H	M	M	H
CO3	H	M	L	L	H	M	M	M	H	H	L	H
CO4	M	L	M	L	M	L	H	L	M	L	H	M
CO5	H	M	M	H	L	H	H	M	H	M	H	L

Unit	Content	Hours
Unit – 1	Investment – Meaning – Investment and Speculation – Investment and Gambling – Source of Investment – Investment Media	6
Unit – 2	Alternative forms of investment–Primary Market–Secondary Market–NSE.	6
Unit – 3	Risk and Return concepts–Systematic Risk–Unsystematic Risk–Credit Rating.	6
Unit – 4	Fundamental Analysis– Economic–Industry–Company–Financial Statement Analysis	6
Unit – 5	Technical Analysis–Dow Theory–Eliot Wave–Theory–Types of Charts	6
	Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Preeti Singh	Investment Management	5th Revised Edition, Mumbai: Himalaya Publishing House.	2012

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Avadhani, V.A.	Investment Management	8 th Revised Edition, New Delhi, Himalaya Publishing House	2019
2	Prasanna Chandra	Investment Analysis and Portfolio Management	5th Edition, New Delhi, Tata McGraw Hill Education Private Limited	2017
3	Frank J. Fabozzi	Investment Management	5 th Edition, Chennai, Prentice Hall	2012

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms.R.Subhasangeetha	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC5AL			Course Title	Batch :	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	SS	Tutorial Hrs./Sem.	-	ALC – I: International Marketing (Optional)	Semester:	V	
					Credits:	2**	

Course Objective

To enrich students' knowledge in Global Marketing

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the importance of doing business abroad and Strategies	K1
CO2	Understand the kinds of MNC's	K2
CO3	Figure out the recent trends in global marketing.	K3
CO4	Put into practice the global level Branding and pricing.	K4
CO5	Analyse the Channels of Distribution in Global level	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	L	M	M	H	M	M	H	M	H	M
CO2	H	H	L	M	M	H	M	M	H	H	H	M
CO3	H	H	H	H	M	H	H	M	H	H	H	H
CO4	M	M	H	M	H	H	M	H	H	M	L	H
CO5	H	M	H	H	H	H	M	H	H	M	L	M

Unit	Content	Hours
Unit - 1	International Marketing: Concept, Evolution, Importance and Process. International Marketing Research	

Unit - 2	International Marketing Information Systems, Market Analysis. Opportunities And Challenges in International Marketing, Future Prospects Of International Marketing, India's Presence In International Marketing	
Unit - 3	International Marketing Mix - stages of Internationalization - Global marketing - Barriers to global marketing.	
Unit - 4	Channels of Distribution - International Retailing - Sales Promotion - Distribution Structure and pattern - Middleman	
Unit - 5	. International Trade Organization: WTO, RTA, SAARC, ASEAN, BRICS and European Union. International Marketing Strategies.	

TextBook

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Philip R. Camera, R.Bruce Money Mary C.Gilly, John L.Graham	International Marketing	McGraw Hill Publication	2019

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Mahalingam Dutta	International Marketing	Dreamtech Press	2020
2	S.A.Sherlekhkar	Marketing Management	Himalaya Publications	2014
3	NargundkarRajendra	International Marketing	Excel Books	2014

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Nirmala	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC617			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	4	CC - XI : Management Accounting	Semester:	VI	
					Credits:	5	

Course Objective

To enlighten the students on the different concepts of management accounting

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the conceptual knowledge of the fundamentals of management Accounting	K1
CO2	Get the idea about various ratios and its applications.	K2
CO3	Apply the preparation of statements like cash flow and funds flow in business	K3
CO4	Analyse the significance of budget preparation in business	K4
CO5	Interpret the marginal costing techniques	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	L	M	H	H	L	H	L	M	H	L
CO2	H	M	L	H	H	L	M	H	M	M	H	M
CO3	H	H	M	L	L	M	H	H	M	M	H	H
CO4	H	L	H	M	L	M	H	H	H	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	L	M

Unit	Content	Hours
Unit – 1	Basis of Management Accounting: Management Accounting – Meaning – Definition – Objectives – Nature and Scope –Functions of Management Accounting - Relationship between Management Accounting and Financial Accounting – Management Accounting and Cost Accounting –Tools of Management Accounting –Limitations of Management Accounting.	18
Unit – 2	Ratio analysis: Ratio Analysis – Meaning – Uses – Limitations – Classification of Ratios – Computation of Ratios from Financial Statements	18

Unit – 3	Funds Flow and Cash Flow Statement: Funds Flow Analysis – Cash Flow Analysis (New format) (AS-03).	18
Unit – 4	Budgetary Control: Budgetary Control – Flexible Budget – Sales Budget – Cash Budget – Production Budget – Purchase Budget. Working Capital – Sources of Working Capital – Estimation of Working Capital Requirements.	18
Unit – 5	Marginal Costing Techniques: Marginal Costing – Break-Even Analysis – Applications of Marginal Costing Techniques – Determination of Sales Mix – Key Factor – Make or Buy Decision (Simple Problems Only)	18
	Total Contact Hrs	90

Pedagogy and Assessment Methods:

Group discussions, Seminar and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Shashi K Gupta, Rk Sharma, Neeti Gupta	Management Accounting Principles & Practice	14 th Edition, New Delhi, Kalyani Publishers	2017

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Pillai R.S.N. & Bhagavath	Management Accounting	Revised Edition, New Delhi, S.Chand & Company.	2015
2	Dr S N. Maheshwari, CA Sharad K Maheshwari & Dr Suneel K Maheshwari	Accounting for Management	4 th Edition, New Delhi, Vikas Publishing House	2018
3	M Y Khan, P K Jain	Management Accounting	7 th Edition, McGraw-Hill Education.	2017

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.T.Mohanasundari	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC6E7			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	-	DSE - III: E-Commerce and Information Security	Semester:	VI
					Credits:	4

Course Objective

To expose the students' on fundamentals of e-commerce and need for information security

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the basics of E-Commerce	K1
CO2	Understand the electronic data interchange and electronic payment systems	K2
CO3	Implement the various models of e-commerce in real business	K3
CO4	Analyse the need for information security and existence of various network securities	K4
CO5	Determine the components Modern Technologies	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	M	M	H	H	M	H	L	M	H	L
CO2	H	L	M	H	H	M	M	H	M	H	H	M
CO3	H	H	M	H	M	M	M	H	M	H	H	H
CO4	M	M	H	L	M	M	H	H	M	H	M	H
CO5	M	H	M	H	M	H	M	M	H	H	L	M

Unit	Content	Hours
Unit – 1	Introduction to E-Commerce – Meaning – Definition – Perspectives of E-Commerce – History of E-Commerce – Framework and Classification of E-Commerce– E-Commerce Drivers – Adoption of E-Commerce – Traditional Vs Electronic Commerce – Advantages and Disadvantages of E-Commerce.	18

Unit – 2	Models of E-Commerce: B2B - B2C – C2B – C2C – B2G. Voice Commerce: Meaning, Definition – Benefits of Voice Commerce – Voice commerce service applications (Alexa and Echo dot etc.) - Voice Commerce VS. Conversational Commerce – Digital Assistance – Digital banking and Evolution of Voice Commerce.	18
Unit – 3	Electronic Payment System (EPS) – Meaning – Problems with Traditional Payment Systems – Features – Types of Electronic Payment Systems – Advantages and Disadvantages- Designing electronic payment system. Online Banking: Core Banking Solution (CBS) – Advantages and Disadvantages.	17
Unit – 4	Components of Communications System – Transmission Media. Protocol – Definition – Introduction to TCP / IP – Wireless Network – Basics of Internet. Types of Attack: Phishing, Spoofing, Impersonation, Dumpster diving – Information Security Goals. Information Security Threats and Vulnerability: Spoofing Identity, Tampering with data, Repudiation, Information Disclosure, Denial of Service, Elevation of Privilege.	18
Unit – 5	Authentication – Password Management – E-Commerce Security – Windows Security. Network Security: Network Intrusion and Prevention Systems – Firewalls – Software Security. Web Security: User authentication, Authentication – Secret and Session Management, Cross Site Scripting, Cross Site Forgery, SQL Injection. Computer Forensics – Steganography.	19
	Total Contact Hrs	90

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar ,Quiz, Assignment, Experience Discussion and Case study

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Ravi Kalakota & Andrew, Whiston	E-Commerce	Darling Kindersly (India) Pvt. Ltd.	2014

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Kamalesh N. Agarwala, Amitlal Beeksha Agarwala	Business on the Net - An Introduction to the 'What's' and 'How's' of E-Commerce	2 nd Edition, New Delhi: Macmillan India Limited.	2005
2	Dr. C.S. Reyudu	E-Commerce & E-Business	Himalaya Publishing House, New Delhi	2020
3	Kenneth C.Laudon and Carol Guercio Traver	E-Commerce	Business Technology, 4 th Edition, Dorling Kindersley (India) Private Limited.	2011
4	Dr. SushilaMadan	E-Commerce	Scholar Tech Press	2020

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr.M.Nirmala	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC6E8			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	-	DSE - III : Financial Markets and Services	Semester:	VI	
					Credits:	4	

Course Objective

To enable the students to understand various financial services and make them familiar with the Indian capital market, its operations, instruments, regulations etc.,

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the different financial system and financial markets in India	K1
CO2	Understand the new issue and secondary market structure in India.	K2
CO3	Apply the concepts of financial services in real situation	K3
CO4	Analyse the financial services offered by merchant banking.	K4
CO5	Determine the performance of venture capital and factoring services	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	H	M	M	M	M	H	L	M	M	H
CO2	H	H	M	L	H	H	M	H	M	M	M	H
CO3	H	H	M	L	H	H	M	H	H	H	M	H
CO4	H	H	M	L	H	H	M	H	M	H	H	H
CO5	M	H	H	M	H	H	M	H	L	H	H	M

Unit	Content	Hours
Unit – 1	The Financial System In India - Functions of the Financial System - Financial Concepts - Financial Assets - Financial Intermediaries - Financial Markets - Importance of Capital Market - Money Market - Foreign Exchange Market - Financial Rates of Return - Financial Instruments - Development of Financial	18

	System in India. Financial Markets: Money Markets - Meaning - Advantages. Call Money Market. Capital Market - Meaning - Importance - Difference between Money Market and Capital Market.	
Unit – 2	New Issue Market - Meaning - Stock Exchange - Distinction between New Issue Market and Stock Exchange - Relationship between New Issue Market and Stock Exchange - Functions of New Issue Market. Secondary Market: Introduction - Functions/Services of Stock Exchanges - Recognition of Stock Exchanges - Procedure - Organization of Stock Exchanges in India	17
Unit – 3	Financial Services: Concept, Nature and Scope of Financial Services – Regulatory Framework of Financial Services – Growth of Financial Services in India –Mutual Funds: Concept and Objectives, Functions and Portfolio Classification, Organization and Management, Guidelines for Mutual Funds, Working of Public and Private Mutual Funds in India.	19
Unit – 4	Merchant Banking: Introduction – Definition – Origin – Merchant Banking in India Merchant Banking – Meaning-Types – Responsibilities of Merchant Bankers – Role of Merchant Bankers in Issue Management – Regulation of Merchant Banking in India.	18
Unit – 5	Venture Capital: Venture Capital – Growth of Venture Capital in India – Financing Pattern under Venture Capital, Leasing – types of Leases – Evaluation of Leasing Option Vs. Borrowing, Credit Rating – Meaning & Functions, Insurance Services – Factoring – Forfaiting - Discounting.	18
	Total Contact Hrs	90

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar, Assignment, Experience Discussion and Activity

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	E. Gordon and Natarajan	Financial Markets and Institutions	Himalaya Publishing House Private Limited. Mumbai	2021

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Anthony Saunders, Marcia Million Cornett, Anshul Jain	Financial Markets and Institutions	7 th Edition, McGraw Hill Education(India) Private Ltd, Nodia	2021
2	Dr.Vinod Kumar, Prof Atul Gupta and Manmeet Kaur	Financial Markets & Institutions	Taxmann's Publications Private Limited, New Delhi	2021
3	Bimal Jaiswal, Bhuvana Venkatraman and Richa Banerjee	Financial Markets, Institutions and Financial Services	Sathiya Bhawan Publications, Agra	2019

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms.P.Divyabharathi	Dr. P. Archanaa	Prof.K. Srinivasan	Prof.K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC6E9			Course Title	Batch:	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	-	DSE - III : Banking and Insurance Law	Semester:	VI
					Credits:	4

Course Objective

To enrich the students' knowledge on the various provisions of banking and insurance law

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Gain knowledge about Banking systems	K1
CO2	Know about the Cheque and other banking terms	K2
CO3	Remember the concepts of loans	K3
CO4	Understand the duties and liabilities of paying and collecting banker	K4
CO5	Analyse the various principles of insurance and its classifications	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	M	M	M	M	M	H	H	M	H	M
CO2	H	H	M	L	M	M	L	H	H	M	M	M
CO3	H	H	M	L	M	M	L	H	H	M	M	M
CO4	H	H	M	L	H	H	M	H	H	M	H	M
CO5	H	H	M	L	H	H	M	H	H	M	H	H

Unit	Content	Hours
Unit – 1	Banking – Definition - Relationship between Banker and Customer – Special Types of Customers – Minor, Married Women, Lunatic and Partnership Firms and Companies. Meaning of Banking Terms: Cash Reserve	18

	Ratio[CRR] – Statutory Liquidity Ratio[SLR] – Bank Rate – Prime Lending Rate[PLR] – Repo Rate[RR] – Reverse Repo Rate[RRR] – Marginal Standing Facility[MSF].	
Unit – 2	Cheque: Material Alteration – Crossing – Endorsement. Loans - Precautions while Lending Loans against Document of Title to Goods, Shares, Insurance Policies and Bank Receipts, Land and Buildings.	18
Unit – 3	Paying and Collecting Banker – Duties and Liabilities – Circumstances for refusing Payment of Cheques – Consequences of Wrong Dishonour – Statutory Protection for Paying and Collecting Banker.	18
Unit – 4	Insurance: Meaning – Functions – Nature - Principles – Classification- Evolution-Purpose and need of insurance-Role of insurance in the development of the economy	18
Unit – 5	Insurance Regulatory and Development Authority Act (1999): Meaning – Importance. Types of Insurance: LIC, GIC, Marine – Merits and Demerits of Insurance.	18
	Total Contact Hrs	90

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar, Quiz and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Gordon, E. and K. Natarajan	Banking Theory, Law and Practice	28 th Revised Edition, Chennai: Himalaya Publishing House.	2020
2	Dr. A. Murthy	Elements of Insurance	Chennai: Margham Publications	2018

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Gupta. O.P and Sudhir Kumar Sharma	Banking & Insurance	Sahitya Bhawan Publications.	2019

2	Sharma and Shashi K. Gupta	Banking Theory, Law and Practice	16 th Edition, New Delhi: Deepa and Deepa Publications Private Limited.	2013
3	Dr. P. Periyasamy	Principles and Practice of Insurance,	Mumbai: Himalaya Publishing House	2019
4	Mishra M.N. & Mishra S.B	Insurance Principles and Practice	22 nd Edition, S. Chand Publications.	2016

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms. P. Divya Bharathi	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC618			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	6	Tutorial Hrs./Sem.	-	CC – XII : Programming in Java	Semester:	VI	
					Credits:	4	

Course Objective

To upgrade the students in the Programming Language to develop Net Based Business Applications in recent IT Technology.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	The competence and the development of small to medium sized application programs that demonstrate professionally acceptable coding	K1
CO2	Demonstrate the concept of object oriented programming through Java	K2
CO3	Apply the concept of Inheritance, Modularity, Concurrency, Exceptions handling and data persistence to develop java program	K3
CO4	Develop java programs for applets and graphics programming	K4
CO5	Understand the fundamental concepts of AWT controls, layouts and events	K5

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	H	M	L	L	L	M	M	M	H	M
CO2	H	H	H	M	L	L	L	M	M	M	M	M
CO3	H	H	H	M	L	H	L	L	M	M	M	M
CO4	H	H	H	M	L	H	M	L	M	M	H	M
CO5	H	H	H	M	L	H	L	L	M	M	H	H

Unit	Content	Hours
Unit – 1	Fundamentals Of Object - Oriented Programming: Object - Oriented Paradigm – Basic Concepts of Object-Oriented Programming – Benefits of Object-Oriented Programming –Application of Object-Oriented Programming. Java Evolution: History – Features – How Java differs from C and C++ – Java and Internet – Java and www –Web Browsers. Overview of Java: simple Java program – Structure – Java Tokens – Statements – Java Virtual Machine.	18
Unit – 2	Branching And Looping : Constants, Variables, Data Types - Operators and Expressions – Decision Making and Branching: if, if...else, nested if, switch, ?: Operator - Decision Making and Looping: while, do, for – Jumps in Loops - Labelled Loops – Classes, Objects and Methods.	18
Unit – 3	Arrays And Interfaces: Arrays, Strings and Vectors – Interfaces: Multiple Inheritance – Packages: Putting Classes together – Multithreaded Programming.	18
Unit – 4	Error Handling: Managing Errors and Exceptions – Applet Programming – Graphics Programming.	18
Unit – 5	Managing Input / Output Files In Java: Concepts of Streams- Stream Classes – Byte Stream classes – Character stream classes – Using streams – I/O Classes – File Class – I/O exceptions – Creation of files – Reading / Writing characters, Byte-Handling Primitive data Types – Random Access Files.	18
	Total Contact Hrs	90

Pedagogy and Assessment Methods

Power point Presentations, Group discussions, Seminar, Quiz and Assignment

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	E. Balagurusamy	Programming with Java - A Primer	Tata McGraw Hill Education (India) Private Limited, New Delhi \ 5th Edition	2014

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Herbert Schildt	Java: The Complete Reference	Tata McGraw Hill Education, Oracle Press\10th Edition	2018
2	Patrick Naughton & Hebert Schildt	The Complete Reference Java 2	Tata McGraw Hill Education\ 3rd Edition	2014

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms. R. Subhasangeetha	Dr. P. Archanaa	Prof.K. Srinivasan	Prof.K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC619			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	4	Tutorial Hrs./Sem.	-	CC Lab - VII : JAVA	Semester:	VI	
					Credits:	3	

Course Objective

To promote the students Programming Language Skills in the Net Based Business Applications.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Understand the basic concepts of Java Programming with emphasis on ethics and principles of professional coding	K1
CO2	Demonstrate the creation of objects, classes and methods and the concepts of constructor, methods overloading, Arrays, branching and looping	K2
CO3	Create data files and Design a page using AWT controls and Mouse Events in Java programming Implement the concepts of code reusability and debugging.	K3
CO4	Develop applications using Strings, Interfaces and Packages and applets	K3
CO5	Construct Java programs using Multithreaded Programming and Exception Handling	K3

Mapping

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	H	H	L	H	H	H	M	M	L	H	M
CO2	H	H	H	L	H	M	H	M	M	L	M	M
CO3	H	H	H	M	H	M	H	L	M	L	M	M
CO4	H	H	H	M	H	M	H	L	H	M	H	M
CO5	H	H	H	M	H	H	H	L	H	M	H	H

Programs	Hours												
<p>1. Write a java program to print the Multiplication Table by getting the input as Command Line Arguments.</p> <p>2. Write a java program with multiple classes to find the length and breadth of room area.</p> <p>3. Write a java program to check whether the given number is Prime or not.</p> <p>4. Write a java program to check whether the given number is Armstrong or not.</p> <p>5. Write a java program to find the number of digits of a given number.</p> <p>6. Write a java program to reverse the digits of a given number.</p> <p>7. Write a java program to calculate the discount on sale of the products A and B with the given price and discount rates.</p> <p style="padding-left: 40px;">Price of Product A is Rs.100/- per unit Price of Product B is Rs.150/- per unit</p> <p style="text-align: center;">Discount Rate</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td style="text-align: center;">0-100</td> <td style="text-align: center;">--</td> <td style="text-align: center;">5%</td> </tr> <tr> <td style="text-align: center;">101-200</td> <td style="text-align: center;">5%</td> <td style="text-align: center;">10%</td> </tr> <tr> <td style="text-align: center;">201-300</td> <td style="text-align: center;">12%</td> <td style="text-align: center;">15%</td> </tr> <tr> <td style="text-align: center;">Above 300</td> <td style="text-align: center;">20%</td> <td style="text-align: center;">25%</td> </tr> </tbody> </table> <p>8. Create a program using nested for loops statement.</p> <p>9. Write a java program to get a string and check whether it is a palindrome or not.</p> <p>10. Develop a java program to get the user's choice to perform the respective string functions from the menu displayed.</p> <p>11. Write a java program to get the students mark details and printing it in the form of mark sheet using inheritance concept.</p> <p>12. Develop a simple java program to sort the given numbers.</p> <p>13. Develop a program using text applets to print whether the given number is odd or even.</p> <p>14. Draw a face using applets.</p> <p>15. Using an applet program, design the model of a car.</p> <p>16. Develop an applet program to add the given numbers</p>	0-100	--	5%	101-200	5%	10%	201-300	12%	15%	Above 300	20%	25%	60
0-100	--	5%											
101-200	5%	10%											
201-300	12%	15%											
Above 300	20%	25%											

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	E. Balagurusamy	Programming with Java - A Primer	Tata McGraw Hill Education (India) Private Limited, New Delhi, 5th Edition	2014

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Herbert Schildt	Java: The Complete Reference	Tata McGraw Hill Education, Oracle Press\10th Edition	2018
2	Patrick Naughton & Hebert Schildt	The Complete Reference Java 2	Tata McGraw Hill Education\ 3rd Edition	2014

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Ms. R. Subasangeetha	Dr. P. Archanaa	Prof.K. Srinivasan	Prof.K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC620			Course Title	Batch:	2021 - 2024
Lecture Hrs./ Week Or Practical Hrs./Week	5 (1+4)	Tutorial Hrs./Sem.	-	CC Lab - VIII : Multimedia	Semester:	VI
					Credits:	2

Course Objective

To promote the students' designing skills in multimedia application

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the application of multimedia concepts	K1
CO2	Point out the effects of picturization on Photoshop and flash applications	K2
CO3	Implement the multimedia effects in developing applications	K3
CO4	Analyse the tools in flash to generate image, shape and text effects	K4
CO5	Create all application with audio, video and graphical representation practically	K5

Mapping

PO /PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO												
CO1	M	H	M	M	L	H	H	L	H	H	H	L
CO2	M	H	H	H	M	M	M	H	H	H	H	M
CO3	M	H	L	H	H	L	H	L	H	H	M	H
CO4	H	H	H	M	H	M	H	M	H	H	M	H
CO5	H	H	M	H	M	H	L	H	H	H	M	M

Content	Hours
Photoshop <ol style="list-style-type: none"> 1. Reduce Picture Size 2. Replace color in an Image 3. Merging of two Images 4. Add a pattern as background 	

<p>5. Make a simple book cover by using basic functionalities</p> <p>6. Panning shot of an image</p> <p>7. Halloween Effect of an image</p> <p>Flash</p> <p>8. Raining Effect</p> <p>9. Designing a Logo</p> <p>10. Bouncing ball</p> <p>11. Drawing and creating text with effects</p> <p>12. Transforming a shape into another Shape (Circle, Square and Triangle)</p> <p>Canva</p> <p>13. Designing of a visiting card</p> <p>14. Designing an Invitation for an Event</p>	75
Total Contact Hrs	75

Pedagogy and Assessment Methods

Power point Presentations, Group discussions, Seminar, Quiz, Assignment, Experience Discussion and Case study

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Prabhat K Andleigh, Kiran Thakrar	Multimedia Systems Design	Pearson Education India/ 1 st Edition	2015

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Ze-Nian Li and Mark S. Drew	Fundamentals of Multimedia	Pearson Education	2003

2	Ranjan Parekh	Principles of Multimedia	McGraw Hill Education / 2 nd Edition	2017
3	Udit Agarwal	Computer Graphics and Multimedia	S.K.Kataria & Sons / Reprint 2013 Edition	2013

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Dr. P. Archanaa	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC6S1			Course Title	Batch:	2024 - 2027	
				Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-
Credits:	2						

Course Objective

To prepare the students to excel in interviews.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Keep in mind the basics for preparing for interview	K1
CO2	Understand the concept of Company Research	K2
CO3	Apply the practical knowledge in Verbal and Non-verbal communication	K3
CO4	Analyze the Etiquettes in interviews	K4
CO5	Execute the patterns of Group Discussion	K5

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	H	H	M	M	H	M	M	H	M	H
CO2	M	H	M	H	M	H	H	M	M	H	H	H
CO3	H	H	H	H	H	H	H	M	H	H	H	H
CO4	H	H	H	H	M	H	H	H	H	H	H	H
CO5	M	M	M	H	M	M	H	H	M	H	M	H

Unit	Content	Hours
Unit - 1	Introduction to Interviews – Effective Resume	6
Unit - 2	Company Research – Preparation and Self-grooming	6
Unit - 3	Verbal and Non-verbal communication – Strategies of Answering to Interview Questions	6
Unit - 4	Mock Interviews & Phone Interviews - Etiquettes	6
Unit - 5	Group Discussion – Technical Round.	6
	Total Contact Hrs	30

Pedagogy and Assessment Methods:

Power point Presentations, Assignment, Experience Discussion

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Capt. Satabdi Chatterjee	Interview.in : A Complete Interview Manual	Notion Press; 1st edition	2022

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Mr.S. Rajagopalan	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications		
Course Code:	24UCC6S2			Course Title	Batch:	2024 - 2027	
Lecture Hrs./ Week Or Practical Hrs./Week	2	Tutorial Hrs./Sem.	-	SEC IV :Aptitude for Placements	Semester:	VI	
					Credits:	2	

Course Objective

To enable the students to refine the mathematical, logical and analytical skills.

Course Outcomes

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	To have fundamental knowledge of Mathematics about problems of numbers using Mathematical formulae.	K1
CO2	To understand the concepts of profit & loss related processing, simplification, etc.,	K2
CO3	To apply the formulae to real time problems on probability, Areas of surfaces and apply data visualization tool for any data set.	K3
CO4	To analyze the problems solving related to Age, Time and Distance and Time and Work etc. To examine their employability skills.	K4
CO5	To develop their Competitive skills and improve the decision-making skills. To generate analytical reports and presentations using Data Interpretation.	K5

Mapping

PO /PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	H	M	M	M	L	H	M	M	M	M	M	M
CO2	H	L	H	M	M	M	L	M	M	M	M	M
CO3	H	H	M	M	L	H	H	H	L	H	M	H
CO4	H	M	H	H	H	M	H	H	H	H	L	H
CO5	M	M	L	H	M	H	M	M	M	M	H	M

*H-High; M-Medium; L-Low

Units	Content	Hrs
Unit I	Numbers-HCF And LCM of Numbers-Decimal Fractions- Comparison of Fractions - Simplification- Square Root and Cube Roots – Average.	6
Unit II	Time and Work - Time and Distance – Mixtures or Allegations - Problems on Numbers - Problems on Ages –Percentage - Profits and Loss.	6
Unit III	Ratio and Proportion - Time and Work - Time and Distance - Simple Interest - Compound Interest - Area-Volume and Surface Area.	6
Unit IV	Permutation and Combination - Probability, Height and Distances - Boats and Streams - Odd Man Out &Series.	6
Unit V	Interpretation: Tabulation, Bar Graphs, Pie Chart, Line Charts.	6
	Total Contact Hrs	30

Pedagogy and Assessment Methods:

Seminar, Quiz, Assignments, Group Task, Direct Instruction, Flipped Class, Digital Presentation

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS\ EDITION	YEAR OF PUBLICATION
1	R.S. Aggarwal	Quantitative Aptitude for Competitive Examinations	S.Chand & Company Ltd., New Delhi.	2018

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \EDITION	YEAR OF PUBLICATION
1	Dinesh Khattar	The Pearson Guide to Quantitative Aptitude for Competitive Examinations	Pearson's Publications, New Delhi. 2 nd Edition	2013

2	Praveen R.V	Quantitative Aptitude and Reasoning	PHI Learning Pvt. Ltd., New Delhi. 3 rd Edition.	2016
3	Rajesh Varma	Fast Track Objective Arithmetic	Arihant Publications India Limited, New Delhi	2018
4	Abhijit Guha	Quantitative Aptitude for Competitive Examinations	McGraw Hill Education (India) Private Limited. 7 th Edition	2020
5	Sarvesh K Verma	Quantitative Aptitude Quantum CAT	Arihant Publications India Limited, New Delhi; Twelve edition	2022

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature	Name and Signature	Name and Signature	Name and Signature
Mr.S.Rajagopalan	Dr. P. Archanaa	Prof. K. Srinivasan	Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature:

Programme Code:	BCCA			Programme Title	Bachelor of Commerce with Computer Applications	
Course Code:	24UCC6AL			Course Title	Batch :	2024 - 2027
Lecture Hrs./ Week Or Practical Hrs./Week	SS	Tutorial Hrs./Sem	-	ALC II – Basics of Research Techniques	Semester:	VI
					Credits:	2**

Course Objective:

To understand some basic concepts of research and its methodologies

Course Outcomes (CO)

On the successful completion of the course, students will be able to

CO	Course Statement	Knowledge Level
CO1	Understand the basic concepts of research.	K1
CO2	Identify research problems and to formulate research design	K2
CO3	Implement suitable method of source data collection and frame questionnaire.	K3
CO4	Apply statistical tools for analysis	K4
CO5	Infer and interpret data appropriately and research report	K5

Mapping

PQ/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CO1	M	H	M	M	L	H	H	L	H	H	H	L
CO2	M	H	H	H	M	M	M	H	H	H	H	M
CO3	M	H	L	H	H	L	H	L	H	H	M	H
CO4	H	H	H	M	H	M	H	M	H	H	M	H
CO5	H	H	M	H	M	H	L	H	H	H	M	M

Unit	Content	Hours
Unit- 1	Research: Meaning – Objectives – Significance and types – Research process – Criteria of good research – Formulation of research problem – Selecting the research problem – Techniques involved in defining a research problem.	
Unit- 2	Research Design-Meaning-Need for Research design-Features of a good design - Important concepts of research design - Types of Research Designs - Hypothesis-Types of hypotheses-Framing of hypotheses.	

Unit– 3	Collection of Data: Primary – Secondary – Methods – Questionnaire – Types – Pre test – Pilot study – Testing and Validating Questionnaire.	
Unit– 4	Data Editing-data validation-Tabulation-Types of Tables.Data processing, analysis and presentation - Testing of hypotheses - Use of Statistical Packages - Entering data using Spreadsheet – Functions and Formulae.	
Unit– 5	Interpretation and Report Writing: Meaning of Interpretation – Why interpretation – Techniques of interpretation – Report writing – Mechanics of writing a Research report.	

Pedagogy and Assessment Methods:

Power point Presentations, Group discussions, Seminar ,Quiz, Assignment, Experience Discussion and Case study

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Kothari, C.R, and Gaurav Gar	Research Methods and Techniques	New Age International, New Delhi.	2019

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHERS \ EDITION	YEAR OF PUBLICATION
1	Devendra Thakur,	Research Methodology in Social Sciences,	Deep and Deep, New Delhi.	2017
2	Gopal Lal Jain	Mangal Deep, Jaipur.	Mangal Deep, Jaipur.	2014
3	Bhome Sharadha	Research Methodology	Himalaya publication house Pvt. Ltd, New Delhi	2018

Course Designed by	Head of the Department	Curriculum Development Cell	Controller of the Examination
Name and Signature Dr.P Gomathi Devi	Name and Signature Dr. P. Archanaa	Name and Signature Prof.K.Srinivasan	Name and Signature Prof. K. Srinivasan
Signature:	Signature:	Signature:	Signature: