SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
(An Autonomous Institution)
(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NBA-AICTE, New Delhi, ISO 9001:2000 Certified Institution & Accredited by NAAC with "A" Grade)
Madagadipet, Puducherry - 605 107

School of Arts and Science

Minutes of Third Meeting of Board of Studies of
Bachelor of Commerce - Computer Application (B.Com. - CA)

The Third Meeting of Board of Studies for Bachelor of Commerce - Computer Application (B.Com. - CA) Programme was held on 05th January 2024, Friday at 01.00 P.M. thru online mode with the Head of the Department in the Chair. The following members were present for the BoS meeting.

S. No.	Name of the Member	Designation
1	**Dr. G. Bala Sendhil Kumar** Professor and Head, Business Studies, School of Arts and Science Sri Manakula Vinayagar Engineering College Puducherry	Chairman
2	**Prof. Punam Bedi** Professor, Department of Computer Science University of Delhi, Delhi	Pondicherry University Nominee
3	**Dr. R. Rajendran** Associate professor, Department of Business Administration, Annamalai University, Chidambaram	Subject Expert (Academic Council Nominee)
4	**Dr. A. Martin** Assistant Professor, Department of Computer Science Central University of Tamil Nadu, Thiruvarur	Subject Expert (Academic Council Nominee)
5	**Mr. J. Prassana Vengatesh** Solution Architecture, HCL Technologies, Chennai	Member (Industry representative)
6	**Dr. K. Premkumar** Professor and Head Department of Computer Science & Engineering Sri Manakula Vinayagar Engineering College Puducherry	Internal Member
7	**Dr. S. Pougajendy** Professor, Department of Management Studies Sri Manakula Vinayagar Engineering College Puducherry	Internal Member
8	**Ms. S. Visalakshi** Assistant Professor, Department of Management Studies Sri Manakula Vinayagar Engineering College Puducherry	Internal Member
9	**Mr. G. Vengatesan** Assistant Professor, Department of Business Studies, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member

10	**Ms. M. Abirami @ Manoranjitham** Assistant Professor, Department of Business Studies, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member
11	**Mrs. M. Dhivya** Assistant Professor, Department of Business Studies, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member
12	**Dr. M. Vanitha** Assistant Professor, Department of Tamil School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member
13	**Mr. Elamaran** Assistant Professor, Department of English School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member

Agenda of the Meeting

Item No. : BoS / B.Com. - CA 3.1

- ❖ Welcome Address & Introduction about Institution, Department and Members of Board of Studies.
- ❖ Confirmation of Minutes of the Second Meeting of the Board of Studies.

Item No. : BoS / B.Com. - CA 3.2

- ❖ Discussion of the curriculum of IV semester for revision and modifications if any. Discussion and Approval of Syllabi of Fourth Semester courses of the UG Programme: Bachelor of Commerce - Computer Application (B.Com. - CA) under Regulation 2020 (For the students admitted during the Academic Year 2022-2023).

Item No. : BoS / B.Com. - CA 3.3

- ❖ Discussion of the curriculum of II to VI semester for revision and modifications if needed. Discussion and Approval of Syllabi of 2nd Semester Courses in the Programme Bachelor of Commerce - Computer Application (B.Com. - CA) under Regulations 2023. (For the students admitted from the Academic Year 2023-2024).

Item No. : BoS / B.Com. - CA 3.4

- ❖ Any other item with the permission of chair.

Minutes of the Meeting

The meeting deliberated on the agenda items that had been approved by the Chairman.

Item No. : B.Com. - CA 3.1

Dr. G. Bala Sendhil Kumar, Chairman, BoS opened the meeting by greeting and introducing the external members to the internal members and meeting thereafter deliberated on the approved agenda items.

Confirmation of the Minutes of the Second Meeting of the Members of Board of Studies held on 01st April 2023, Saturday at 01.00 P.M. was done by presenting the Minutes of Second Meeting by the Chairman to the Board Members and the actions taken by the Department in the process of implementing it. The following were discussed and approved by the Board Members and implemented by the department.

- ❖ Curriculum Framework (3rd to 6th Semester) and Syllabi of Third Semester courses of the UG Programme: Bachelor of Commerce - Computer Application (B.Com. - CA) under Regulation 2020 (For the students admitted during the Academic Year 2022-2023).
- ❖ Curriculum Framework (1st to 6th Semesters) and Syllabi of 1st Semester for the Programme: Bachelor of Commerce - Computer Application (B.Com. - CA) under Regulation 2023. (For the students admitted from the Academic Year 2023-2024).

Item No. : BoS / B.Com. - CA 3.2

The curriculum and syllabi of IV semester of the UG Programme: Bachelor of Commerce - Computer Application (B.Com. - CA) under Regulations 2020 (For the students admitted during the Academic Year 2022-2023), was presented to the Board members for discussion and approval. The board members approved the same without any revisions and modifications (kindly refer Annexure 1 for IV Semester Curriculum and Annexure 2 for Syllabi of IV Semester Courses).

Item No. : BoS / B.Com. - CA 3.3
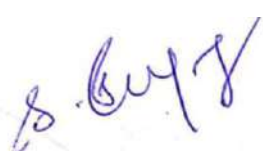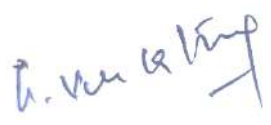
The curriculum and syllabi of II semester of the UG Programme: Bachelor of Commerce - Computer Application (B.Com. - CA) under Regulations 2023 (For the students admitted during the Academic Year 2023-2024), was presented to the Board members for discussion and approval. The board members approved the same without any revisions and modifications (kindly refer Annexure 3 for II Semester Curriculum and Annexure 4 for Syllabi of II Semester Courses).

Item No. : BoS / B.Com. - CA 3.4

No other item was considered for further discussion in the Third Meeting of Members of BoS of Bachelor of Commerce - Computer Application (B.Com. - CA).

The meeting ended with vote of thanks by the Chairman of the Board of Studies, was concluded at 02.15 P.M.

The Minutes of the Third Meeting of Board of Studies for Bachelor of Commerce - Computer Application (B.Com. - CA) Programme held on 05th January 2024 was signed by the members who attended the meeting:

Sl. No	Name of the Member with Designation and official Address	MEMBERS AS PER UGC NORMS	Signature
1	**Dr. G. Bala Sendhil Kumar** Professor and Head, Business Studies, School of Arts and Science Sri Manakula Vinayagar Engineering College, Puducherry	Chairman	
2	**Prof. Punam Bedi** Professor, Department of Computer Science, University of Delhi, Delhi	Pondicherry University Nominee	
3	**Dr. R. Rajendran** Associate professor, Department of Business Administration, Annamalai University, Chidambaram	Subject Expert (Academic Council Nominee)	
4	**Dr. A. Martin** Assistant Professor, Department of Computer Science, Central University of Tamil Nadu, Thiruvarur	Subject Expert (Academic Council Nominee)	
5	**Mr. J. Prassana Vengatesh** Solution Architecture, HCL Technologies, Chennai	Member (Industry representative)	
6	**Dr. K. Premkumar** Professor and Head Department of Computer Science & Engineering, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member	
7	**Dr. S. Pougajendy** Professor, Department of Management Studies, Sri Manakula Vinayagar Engineering College Puducherry	Internal Member	
8	**Ms. S. Visalakshi** Assistant Professor, Department of Management Studies Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member	
9	**Mr. G. Vengatesan** Assistant Professor, Department of Business Studies, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member	
10	**Ms. M. Abirami @ Manoranjitham** Assistant Professor, Department of Business Studies, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member	

11	**Mrs. M. Dhivya** Assistant Professor, Department of Business Studies, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member	
12	**Dr. M. Vanitha** Assistant Professor, Department of Tamil, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member	
13	**Mr. Elamaran** Assistant Professor, Department of English, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry	Internal Member	

Dr. G. Bala Sendhil Kumar
Professor and Head - Business Studies
Chairman, Board of Studies
B.Com. - Computer Application

Dr. S. Muthulakshmi
Dean - School of Arts & Science
Sri Manakula Vinayagar Engineering College

ANNEXURE - 1

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
(An Autonomous Institution)
(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NBA-AICTE, New Delhi, ISO 9001:2000 Certified Institution &
Accredited by NAAC with "A" Grade)
Madagadipet, Puducherry – 605 107

SCHOOL OF ARTS AND SCIENCE

BACHELOR OF COMMERCE

(COMPUTER APPLICATION)

ACADEMIC REGULATIONS 2020
(R-2020)
CURRICULUM

COLLEGE VISION AND MISSION

Vision

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

Mission

M1: Quality Education:
To provide comprehensive academic system that amalgamates the cutting-edge technologies with best practices.

M2: Research and Innovation:
To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship:
To inculcate the employability and entrepreneurial skills through value and skill-based training.

M4: Ethical Values:
To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.

DEPARTMENT OF BUSINESS STUDIES

VISION AND MISSION

Vision

To explore value-based Accounting and Management Education through innovative and flexible curriculum that enables to decipher and adapt in multidisciplinary academic and research environments and the society at large.

Mission

M1: Knowledge Sharing:
To transform lives through knowledge creation and sharing

M2: Collaborative Learning:
To leverage the resources to provide experiential learning, immersion and other collaboration opportunities.

M3: Career Development:
To provide the best professional development and career growth opportunities to the students.

M4: Consistent Improvement:
To continuously improve through stakeholder engagement, industry relations, and assurance of learning across multiple domains.

Programme Outcome (PO)

PO1: Acquire the essential knowledge on the successful prospects of business.

PO2: Understand the practical issues and challenges that the trade world encounters.

PO3: Apply concepts, principles and procedures in transacting business effectively.

PO4: Gain analytical skill in undertaking commercial ventures and evaluate the pros and cons of embarking on trade and trade related activities based on their in-depth knowledge.

PO5: Be employable, exhibit entrepreneurial drive and be a model of principled and ethically sound business professionals.

Program Specific Outcomes (PSO)

PSO1: Apply the various business management and computer applications concepts to solve the real-world problems.

PSO2: Acquire the knowledge on object-based computer applications in various business fields.

PSO3: Enrich the practical knowledge on applications of accounting and programming languages in business ventures.

BACHELOR OF COMMERCE

(COMPUTER APPLICATION)

STRUCTURE FOR UNDERGRADUATE PROGRAMME

Sl. No	Course Category	Breakdown of Credits
Part I		
1	Modern Indian Language (MIL)	06
Part II		
2	English (ENG)	06
Part III		
3	Discipline Specific Core Courses (DSC)	84
4	Discipline Specific Elective Courses (DSE)	12
5	Inter-Disciplinary courses (IDC)	09
6	Skill Enhancement Courses (SEC)	10
7	Employability Enhancement Courses (EEC*)	0
8	Ability Enhancement Compulsory Courses (AECC)	06
9	Open Electives (OE)	04
10	Online Courses (OC)	0
11	Extension Activity (EA)	01
Total		**138**

SCHEME OF CREDIT DISTRIBUTION – SUMMARY

Sl. No	Course Category	Credits per Semester						Total Credits
		I	II	III	IV	V	VI	
Part I								
1	Language (MIL) (Tamil / French)	3	3					06
Part II								
2	English (ENG)	3	3					06
Part III								
3	Discipline Specific Core Courses (DSC)	9	14	11	17	16	17	84
4	Discipline Specific Elective Courses (DSE)			3	3	3	3	12
5	Inter-Disciplinary Courses (IDC)	3	3	3				09
6	Skill Enhancement Courses (SEC)	2		2	2	2	2	10
7	Employability Enhancement Courses (EEC*)	0	0	0	0			0
8	Ability Enhancement Compulsory Courses (AECC)	2	2		2			06
9	Open Electives (OE)			2	2			04
10	Online Courses (OC*)					0		0
11	Extension Activity (EA)		1					01
Total		**22**	**26**	**21**	**26**	**21**	**22**	**138**

EEC and OC will not be included for the computation of "Total of Credits" as well as "CGPA".

Curriculum – Regulations 2020   *B.Com (Computer Application)*

SEMESTER – I										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Part I										
Theory										
1	A20FRT101	French - I	MIL	3	0	0	3	25	75	100
	A20TAT101	Tamil - I								
Part II										
Theory										
2	A20BET101	Business English - I	ENG	3	0	0	3	25	75	100
Part III										
Theory										
3	A20BAT101	Principles of Accounting	DSC	4	1	0	5	25	75	100
4	A20CCT101	Fundamentals of Information Technology	DSC	4	0	0	4	25	75	100
5	A20CCD101	Mathematics for Computer Application	IDC	3	0	0	3	25	75	100
Skill Enhancement Course										
6	A20CCS101	Communication Skills	SEC	0	0	4	2	100	0	100
Employability Enhancement Course										
7	A20CCC101	Certification Course - I*	EEC	0	0	4	0	100	0	100
Ability Enhancement Compulsory Course										
8	A20AET101	Environmental Studies	AECC	2	0	0	2	100	0	100
							22	425	375	800

Employability Enhancement Course are to be selected from the list in Annexure I

		SEMESTER – II								
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Part I										
Theory										
1	A20FRT202	French - II	MIL	3	0	0	3	25	75	100
	A20TAT202	Tamil - II								
Part II										
Theory										
2	A20BET202	Business English - II	ENG	3	0	0	3	25	75	100
Part III										
Theory										
3	A20CCT202	Financial Accounting for Business	DSC	3	1	0	4	25	75	100
4	A20CCT203	Programming with C	DSC	4	0	0	4	25	75	100
6	A20BFT203	Legal Aspects of Business	DSC	4	0	0	4	25	75	100
7	A20CCD202	Economics for Business Decisions	IDC	3	0	0	3	25	75	100
Practicals										
7	A20CCL201	Programming with C Lab	DSC	0	0	4	2	50	50	100
Employability Enhancement Course										
8	A20CCC202	Certification Course - II*	EEC	0	0	4	0	100	0	100
Ability Enhancement Compulsory Course										
9	A20AET202	Public Administration	AECC	2	0	0	2	100	0	100
Extension Activity										
10	A20EAL201	National Service Scheme	EA	0	0	2	1	100	0	100
							26	500	500	1000

* Employability Enhancement Course are to be selected from the list in Annexure I

		SEMESTER – III								
Sl. No.	**Course Code**	**Course Title**	**Category**	**Periods**			**Credits**	**Max. Marks**		
				L	**T**	**P**		**CAM**	**ESM**	**Total**
Part III										
Theory										
1	A20CMT305	Corporate Accounting	DSC	4	1	0	5	25	75	100
2	A20CCT304	Programming with C++	DSC	4	0	0	4	25	75	100
3	A20CCD303	Statistics for Computer Application	IDC	3	0	0	3	25	75	100
4	A20CCE301	Basics of Data Science	DSE	3	0	0	3	25	75	100
	A20CCE302	System Software Concepts								
	A20CCE303	Business Strategy								
5	A20XXO3XX	Open Elective – I**	OE	2	0	0	2	25	75	100
Practicals										
6	A20CCL302	Programming with C++ Lab	DSC	0	0	4	2	50	50	100
Skill Enhancement Course										
7	A20CCS302	Accounting using Software	SEC	0	0	4	2	100	0	100
Employability Enhancement Course										
8	A20CCC303	Certification Course - III*	EEC	0	0	4	0	100	0	100
							21	375	425	800

		SEMESTER – IV								
Sl. No.	**Course Code**	**Course Title**	**Category**	**Periods**			**Credits**	**Max. Marks**		
				L	**T**	**P**		**CAM**	**ESM**	**Total**
Part III										
Theory										
1	A20CCT405	Management Accounting	DSC	4	1	0	5	25	75	100
2	A20CCT406	Problem Solving with Java	DSC	4	0	0	4	25	75	100
3	A20CPT408	Database Management Systems	DSC	4	0	0	4	25	75	100
4	A20CCE404	Basics of Stock Market	DSE	3	0	0	3	25	75	100
	A20CCE405	Insurance and Risk Management								
	A20CCE406	Financial Markets and Services								
5	A20XXO4XX	Open Elective – II**	OE	2	0	0	2	25	75	100
Practical										
6	A20CCL403	Programming with Java Lab	DSC	0	0	4	2	50	50	100
7	A20CCL404	DBMS Lab	DSC	0	0	4	2	50	50	100
Skill Enhancement Course										
8	A20CCS403	Entrepreneurial Skills	SEC	0	0	4	2	100	0	100
Ability Enhancement Compulsory Course										
9	A20AET403	Value Education	AECC	2	0	0	2	100	0	100
Employability Enhancement Course										
10	A20CCC404	Certification Course - IV*	EEC	0	0	4	0	100	0	100
							26	525	475	1000

Employability Enhancement Course are to be selected from the list in Annexure I

*** Open electives offered by the Departments are listed in Annexure II*

Curriculum – Regulations 2020   *B.Com (Computer Application)*

SEMESTER – V										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Part III										
Theory										
1	A20CST512	Income Tax Law and Practice	DSC	4	0	0	4	25	75	100
2	A20CMT512	Cost Accounting	DSC	3	1	0	4	25	75	100
3	A20BAT512	Financial Management	DSC	3	1	0	4	25	75	100
4	A20CCE507	Financial Derivatives	DSE	3	0	0	3	25	75	100
	A20CCE508	Banking and Insurance								
	A20CCE509	Security Analysis and Portfolio Management								
Practicals										
5	A20CCL505	Data Visualisation	DSC	0	0	4	2	50	50	100
Project										
6	A20CCP501	Mini Project	DSC	0	0	4	2	40	60	100
Skill Enhancement Course										
7	A20CCS504	Business Research Methods	SEC	0	0	4	2	100	0	100
Online Certification Course										
8	A20CCM601	MOOC - Certificate Course	OC	0	0	4	0	Successful Completion		
							21	290	410	700

SEMESTER – VI										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Part III										
Theory										
1	A20CCT607	Financial Reporting and Analysis	DSC	3	1	0	4	25	75	100
2	A20CST618	Goods and Service Tax	DSC	3	1	0	4	25	75	100
3	A20CAT613	Internet of Things	DSC	4	0	0	4	25	75	100
4	A20CCE610	Ethical Hacking	DSE	3	0	0	3	25	75	100
	A20CCE611	Cyber Security and Digital Forensics								
	A20CCE612	Personal Finance								
Skill Enhancement Course										
6	A20CCS605	Life Skills Development and Mentoring	SEC	0	0	4	2	100	0	100
Project										
7	A20CCP602	Major Project	DSC	0	0	10	5	40	60	100
							22	240	360	600

Annexure I

EMPLOYABILITY ENHANCEMENT COURSES - CERTIFICATION COURSES

(Not included in CGPA and Credits computation)

Certification Course - I, II, III & IV
(To be chosen from the below list but not limited)

Sl. No.	Course Title
1	MS Office
2	Tally
3	Python Programming
4	Mobile Application Development
5	Advanced Excel
6	Digital Marketing
7	Block Chain
8	Internet of Things
9	Google Analytics
10	Artificial Intelligence

Annexure II

OPEN ELECTIVE COURSES

Open Elective - I (Offered in Semester III)			
Sl. No	**Course Code**	**Course Title**	**Offering Department**
1	**A20BTO301**	Biotechnology for human welfare	Bioscience
2	**A20BTO302**	Food Processing	Bioscience
3	**A20BTO303**	Food Technology	Bioscience
4	**A20CHO304**	Food Analysis (Practical)	Chemistry
5	**A20CHO305**	Molecules of Life (Practical)	Chemistry
6	**A20CHO306**	Water Analysis (Practical)	Chemistry
7	**A20CMO307**	Fundamentals of Accounting and Finance	Commerce and Management
8	**A20CMO308**	Fundamentals of Management	Commerce and Management
9	**A20CMO309**	Fundamentals of Marketing	Commerce and Management
10	**A20CPO310**	Data Structures	Computational Studies
11	**A20CPO311**	Programming in C	Computational Studies
12	**A20CPO312**	Programming in Python	Computational Studies
13	**A20ENO313**	Conversational Skills	English
14	**A20ENO314**	Fine-tune your English	English
15	**A20ENO315**	Interpersonal Skills	English
16	**A20MAO316**	Mathematical Modelling	Mathematics
17	**A20MAO317**	Quantitative Aptitude - I	Mathematics
18	**A20MAO318**	Statistical Methods	Mathematics
19	**A20VCO319**	Event Management	Media Studies
20	**A20VCO320**	Graphic Design	Media Studies
21	**A20VCO321**	Role of social media	Media Studies
22	**A20NDO322**	Basic Food Groups	Food Science
23	**A20NDO323**	Life Style Management	Food Science
24	**A20NDO324**	Nutritive Value of Foods	Food Science
25	**A20PHO325**	Astrophysics	Physics
26	**A20PHO326**	Basic of Modern Communication System	Physics
27	**A20PHO327**	Bio-Physics	Physics
28	**A20TMO328**	அடிப்படை தமிழ்	Tamil
29	**A20TMO329**	வாழ்வியல் இலக்கணம்	Tamil
30	**A20TMO330**	புதுக்கவிதைப் பட்டறை	Tamil

**Open Elective – II (Offered in Semester IV)**
Sl. No.	**Course Code**	**Course Title**	**Offering Department**
1	**A20BTO401**	Herbal Technology	Bioscience
2	**A20BTO402**	Vermiculture	Bioscience
3	**A20BTO403**	Biotechnology for Society	Bioscience
4	**A20CHO404**	C++ Programming and its Application to Chemistry	Chemistry
5	**A20CHO405**	Computational Chemistry Practical	Chemistry
6	**A20CHO406**	Instrumental Methods of Analysis	Chemistry
7	**A20CMO407**	Essential Legal Awareness	Commerce and Management
8	**A20CMO408**	Essentials of Insurance	Commerce and Management
9	**A20CMO409**	Practical Banking	Commerce and Management
10	**A20CPO410**	Database Management Systems	Computational Studies
11	**A20CPO411**	Introduction to Data Science using Python	Computational Studies
12	**A20CPO412**	Web Development	Computational Studies
13	**A20ENO413**	Functional English	English
14	**A20ENO414**	English Next-India	English
15	**A20ENO415**	English for Competitive Exam	English
16	**A20MAO416**	Discrete mathematics	Mathematics
17	**A20MAO417**	Operations Research	Mathematics
18	**A20MAO418**	Quantitative Aptitude - II	Mathematics
19	**A20VCO419**	Basics of News Reporting	Media Studies
20	**A20VCO420**	Scripting for media	Media Studies
21	**A20VCO421**	Video Editing	Media Studies
22	**A20NDO422**	Food Labelling	Food Science
23	**A20NDO423**	Hygiene and Sanitation	Food Science
24	**A20NDO424**	Nutrition for Adolescent	Food Science
25	**A20PHO425**	Digital Electronics	Physics
26	**A20PHO426**	Geo-Physics	Physics
27	**A20PHO427**	Space Science	Physics
28	**A20TMO428**	சிறுகதைப் பயிற்சி	Tamil
29	**A20TMO429**	செய்தி வாசிப்பு பயிற்சி	Tamil
30	**A20TMO430**	நிகழ்த்துக்கலை	Tamil

Department	**BUSINESS STUDIES**		Programme: **B.Com. (Computer Application)**			
Semester	**FOURTH SEMESTER**		Course Category Code: **DSC**		End Semester Exam Type: **TE**	
Course Code	**A20CCT405**		Periods / Week		Credit	Maximum Marks
			L	T	P	C	CAM	ESE	TM
Course Name	**MANAGEMENT ACCOUNTING**		4	1	0	5	25	75	100

Prerequisite	Basics Knowledge on Management Accounting
Course Objective	To help the students be aware of the basic principles and techniques of management Accounting.
	To understand the application of financial statements analysis.
	To give an insight knowledge of Ratio analysis.
	To apply the cash flow and fund flow analysis in the company
	To enable them apply the management techniques in preparation of budgets and reports

	On completion of the course, the students will be able to	BT Mapping (Highest Level)
Course Outcome	**CO1** Acquire knowledge in basic concepts in management accounting and it's relation with other subjects.	**K1**
	CO2 Analyze and interpret the firm?s performance through comparative and common-size financial statements and trend analyses.	**K2**
	CO3 Apply the ratio analysis to evaluate the financial performance of an organization.	**K2**
	CO4 Analyze the cash inflow and outflow changes in business through cash flow statements.	**K3**
	CO5 Prepare cash and flexible budgets and compose reports for decision-making under different situations.	**K3**

UNIT-I	**Management Accounting**	**Periods: 6**	
Meaning – Definition – Characteristics – Scope -Objectives and Functions – Advantages – Limitations – Management Accounting Vs Financial Accounting – Management Accounting Vs. Cost Accounting – Tools and Techniques of Management Accounting.			**CO1**

UNIT-II	**Analysis and Interpretation of Financial Statements**	**Periods: 12**	
Concept and types of Financial Statements - significance and importance of Financial Statement - methods of analysis of financial statements - techniques of analysis and interpretation – Comparative Income Statements - Comparative Balance Sheets - Common Size Income Statement - Common Size Balance Sheets - Trend Analysis (problems on the above topics).			**CO2**

UNIT-III	**Ratio Analysis**	**Periods: 12**	
Meaning of Ratio - objectives of Ratio Analysis - Significance of Ratio Analysis - Limitations of Ratio Analysis - Classification of Ratios - calculation and interpretation of profitability ratios - liquidity ratios - solvency ratios – Simple problems on the above (including preparation of Income statement and Balance sheet).			**CO3**

UNIT-IV	**Fund flow statement and Cash flow statement**	**Periods: 15**	
Introduction & Meaning of Funds Flow Statement - Concept of Fund - Concept of Flow of Fund - Uses and Limitations of Funds Flow Statement - Schedule of Changes in Working Capital - Calculation of Funds From Operations - Statement of Sources and Application of Funds – basic problems on the above. Introduction & meaning of CFS - differences between FFS and CFS - utility and limitations of CFS - Preparation of CFS – simple problems (only indirect method)			**CO4**

UNIT-V	**Budgetary Control and Management Reporting**	**Periods: 15**	
Introduction – Meaning – Objectives – Essentials of Budgetary Controls – Classification of Budgets – Steps in Budgeting – Preparation of Cash Budget and Flexible Budget. Meaning of Reporting and Reports - Essentials of an ideal report - Designing and Installation of Reporting system - Types of Reports, Drafting of Reports under different situations.			**CO5**

Lecture Periods: 60	**Tutorial Periods: 15**	**Practical Periods: -**	**Total Periods: 75**

Text Books
1. R.K. Sharma, Shashi Gupta(2015).Cost & Management Accounting. New Delhi:Kalyani Publishers.
2. Management Accounting :GordenP.Jeyaram, N.Sundaram,R.Jeyachandran
3. Arora,M.N. (2012).Cost and Management Accounting. Mumbai:Himalaya Publishing House.

Reference Books

1. Khan,M.Y.&.Jain,P.K.(2012)ManagementAccounting(4ed).NewDelhi: TataMcGraw.Hill
2. Dr.Maheswari, S.N (2012).Management Accounting. New Delhi: Sultan Chand &Sons.
3. E.Gordon, Sundram.N (2011).Management Accounting. Mumbai:Himalaya Publishing House.
4. Management Accounting & Financial Control :S.N.Maheswari.
5. Management Accounting :T.S.Reddy and Y. Hari Prasad Reddy.

Web References

1. https://ddceutkal.ac.in/Downloads/UG_SLM/Commerce/Core_10.pdf
2. https://rccmindore.com/wp-content/uploads/2015/06/Management-Accounting-5th-sem.pdf
3. https://www.svtuition.org/p/bcom-3rd-year-management-accounting_3.html?m=1
4. https://www.geektonight.com/management-accounting-notes/
5. https://www.tutorialspoint.com/accounting_basics/management_accounting_introduction.htm

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10		5	5	5	75	100

Department	**BUSINESS STUDIES**		Programme: **B.Com. (Computer Application)**			
Semester	**FOURTH**		Course Category Code: **DSC**		End Semester Exam Type: **TE**	
Course Code	**A20CCT406**	Periods / Week		Credit	Maximum Marks	

Course Code	**A20CCT406**	L	T	P	C	CAM	ESE	TM
Course Name	**PROBLEM SOLVING WITH JAVA**	4	0	0	4	25	75	100

Prerequisite	Basics Knowledge on Java Programming
Course Objective	To gain and explore the knowledge of java programming.
	To know the principles of Inheritances, Packages and Interfaces.
	To get familiarized to generic programming, Multithreading concepts
	To gain and explore the advanced concepts in Java.
	To explore database connectivity

Course Outcome	**On completion of the course, the students will be able to**		BT Mapping (Highest Level)
	CO1	Write a maintainable java program for a given algorithm and implement the same.	**K1**
	CO2	Demonstrate the use of inheritance, interface and package in relevant applications.	**K2**
	CO3	Create java applications using exception handling, thread and generic programming.	**K2**
	CO4	Build java distributed applications using Collections and IO streams.	**K3**
	CO5	Exemplify simple graphical user interfaces using GUI components and database programs.	**K3**

UNIT-I	**INTRODUCTION TO JAVA PROGRAMMING**	**Periods: 12**	
The History and Evolution of Java – Byte code – Java buzzwords – Data types – Variables – Arrays – operators – Control statements – Type conversion and casting- Basic Concepts of OOPs – Concepts of classes and objects - Constructors – static keyword – Final with data – Access control – This key word – Garbage collection – Nested classes and inner classes – String class			**CO1**

UNIT-II	**INHERITANCE, PACKAGES AND INTERFACES**	**Periods: 12**	
Inheritance: Basic concepts – Forms of inheritance – Super key word – method overriding – Abstract classes – Dynamic method dispatch – The Object class. Packages: Defining – Creating and Accessing – importing packages. Interfaces: Defining – Implementing – Applying – Variables and extending interfaces			**CO2**

UNIT-III	**EXCEPTION HANDLING AND MULTITHREADING**	**Periods: 12**	
Concepts of Exception handling – Types of exceptions – Creating own exception – Concepts of Multithreading – creating multiple threads – Synchronization – Inter thread communication. Enumeration: Auto boxing – Generics.			**CO3**

UNIT-IV	**COLLECTIONS AND I/OSTREAM**	**Periods: 12**	
Collections: List – Vector – Stack – Queue – De queue – Set – Sorted Set. Input / Output Basics – Streams – Byte streams and Character streams – Reading and Writing Console – Reading and Writing Files.			**CO4**

UNIT-V	**EVENT DRIVEN PROGRAMMING AND JDBC**	**Periods: 12**	
Events – Delegation event model – Event handling – Adapter classes. AWT: Concepts of components – Font class – Color class and Graphics - Introduction to Swing - Layout management - Swing Components - Java Database Connectivity – JDBC Connections – JDBC Create Databases - Develop real time applications.			**CO5**

Lecture Periods: 60	**Tutorial Periods:**	**Practical Periods: -**	**Total Periods: 60**

Text Books
1. Herbert Schildt, "Java: The Complete Reference", TMH Publishing Company Ltd,11th Edition, 2018.
2. Sagayaraj, Denis, Karthik, Gajalakshmi, "JAVA Programming for core and advanced learners", Universities Press Private Limited, 2018.
3. Herbert Schildt, "The Complete Reference JAVA 2", TMH, Seventh Edition, 2006.

Reference Books

1. H.M.Dietel and P.J.Dietel, "Java How to Program", 11th Edition, PearsonEducation/PHI, 2017.
2. Nageshvarrao, "Core Java and Integrated Approach", 1st Edition, Dreamtech, 2016.
3. Cay S. Horstmann, Gary cornell, "Core Java Volume –I Fundamentals", Prentice Hall,9th Edition, 2013.
4. P.J. Dietel and H.M Dietel, "Java for Programmers", Pearson Education, 9th Edition, 2011.
5. Cay.S.Horstmann and Gary Cornell, "Core Java 2", Pearson Education, 8th Edition,2008.

Web References

1. http://www.ibm.com/developerworks/java/
2. http://docs.oracle.com/javase/tutorial/rmi/.
3. IBM's tutorials on Swings, AWT controls andJDBC.
4. https://www.edureka.co/blog
5. https://www.geeksforgeeks.org

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10	5	5	5	5	75	100

Department	**COMPUTATIONAL STUDIES**	Programme: **B.Com. (Computer Application)**					
Semester	**FOURTH**	Course Category Code: **DSC**		End Semester Exam Type: **TE**			
Course Code	**A20CPT408**	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	**DATABASE MANAGEMENT SYSTEMS**	4	0	0	4	25	75	100
Common to B.SC. CS, B.C.A., B.Com. (CA)								

Prerequisite	Basics Knowledge on Database Management System
Course Objective	To learn about Database Structure and Data Models.
	To study SQL Commands for storing and retrieving data into the database.
	To study the Relational database system design
	To understand the concept of Transactions
	To understand the concept procedural language/Structured Query Language

Course Outcome	**On completion of the course, the students will be able to**	BT Mapping (Highest Level)
	CO1 Design conceptual data model using Entity Relationship Diagram.	**K1**
	CO2 Design conceptual and logical database models for an application	**K2**
	CO3 Normalize relational database design of an application.	**K2**
	CO4 Explain the need for Indexing, Hashing in database**.**	**K3**
	CO5 Understand the strategies for procedural language/Structured Query Language.	**K3**

UNIT-I	INTRODUCTION	Periods: 12	
Introduction: Database System – Database-System Applications – Purpose of Database Systems – Advantages of using DBMS approach - View of Data – Relational Database – Database Design – System Structure – Database Architecture.			CO1

UNIT-II	DATABASE DESIGN AND E-RMODEL	Periods: 12	
Database Design and E-R Model: Overview of the Design Process – The E-R Model – Constraints – E-R Diagrams – Relational Algebra – Tuple Relational Calculus – Domain Relational Calculus.			CO2

UNIT-III	RELATIONAL DATABASE DESIGN	Periods: 12	
Relational Database Design: Features of Good Relational Designs – Normalization Using Functional Dependencies - First Normal Form - Second Normal Form - Third Normal Form - Fourth Normal Form and BCNF.			CO3

UNIT-IV	SQL	Periods: 12	
SQL Statements: Data Retrieval: SELECT, Data Definition Languages: CREATE, ALTER, DROP, RENAME, and TRUNCATE - Data Manipulation Language: INSERT UPDATE, DELETE - Transactional Control: COMMIT ROLLBACK, SAVEPOINT, and Data Control Language: GRANT, REVOKE.			CO4

UNIT-V	PL/SQL	Periods: 12	
PL/SQL blocks – PL/SQL - Basic programs - Procedures – Functions – Cursor – Triggers - Exception Handling.			CO5

Lecture Periods: 60	Tutorial Periods:	Practical Periods: -	Total Periods: 60

Text Books

1. Abraham Silberschatz, Henry F Korth, S Sudharshan, "Database System Concepts", McGraw-Hill, 7th □□□□□□□□□□□□
2. RamezElmasri and ShamkantNavathe, Durvasula V L N Somayajulu, Shyam K Gupta, "Fundamentals of Database Systems", Pearson Education, 2018.
3. Hector Garcia-Molina, Jeffrey D. Ullman, Jennifer Widom, "Database Systems The Complete Book" Prentice Hall, 2nd Edition, 2014.

Reference Books

1. Raghu Ramakrishna, Johannes Gehrke, "Database Management Systems", McGraw Hill, 3rdEdition,2014.
2. G.K.Gupta,"Database Management Systems", Tata McGraw Hill, 2011.
3. Date CJ, Kannan A, Swamynathan S, "An Introduction to Database System", Pearson Education, 8thEdition,2006.
4. Paul Beynon-Davies, "Database Systems", Palgrave Macmillan, 3rdEdition, 2003.
5. Mukesh Chandra Negi, "Fundamentals of Database Management System", BPB Publications,2019.

Web References

1. https://docs.oracle.com/cd/E11882_01/server.112/e41084/toc.htm MySQL Online Documentation
2. http://dev.mysql.com/doc/
3. http://www.rjspm.com/PDF/BCA-428%20Oracle.pdf
4. https://nptel.ac.in/courses/106/106/106106095/
5. https://www.tutorialspoint.com/dbms/index.html

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10		5	5	5	75	100

Department	**BUSINESS STUDIES**			Programme: **B.Com. (Computer Application)**			
Semester	**FOURTH**			Course Category Code: **DSE**		End Semester Exam Type: **TE**	
Course Code	**A20CCE404**	Periods / Week			Credit	Maximum Marks	
		L	T	P	C	CAM	ESE	TM
Course Name	**BASICS OF STOCK MARKET**	3	0	0	3	25	75	100
Prerequisite	Basic Knowledge on Stock Markets							

Course Objective	To provide an in-depth understanding of Investment platform.
	To explain purpose and need of investment to investor.
	To explore various investment alternatives in Indian market.
	To be familiar with Mutual Fund and its technical Analysis
	To understand the Security Valuation and concepts of CAPM & APT.

Course Outcome		**On completion of the course, the students will be able to**	BT Mapping (Highest Level)
	CO1	To know the different investment policies and the various factors influencing investment decision of Indian financial system.	**K1**
	CO2	To provide insight about the risk and return relationship between various types of investors like Arbitrator, Speculator and Gambler.	**K2**
	CO3	To acquire knowledge on various investment alternatives like shares, debentures and real estate with different risk and return analysis.	**K2**
	CO4	To apply the various techniques followed by the investors in forecasting the behaviour of the Indian market and their major influence with macro-economic variables.	**K3**
	CO5	To recognize the security valuation and the theoretical knowledge on Capital Asset Pricing Theory (CAPM) & Arbitrage Pricing Theory (APT).	**K3**

UNIT-I	**FINANCIAL MARKETS IN INDIA**	**Periods: 9**	
Meaning of Security Markets, Features of capital markets and functioning, New issues market - IPO's, procedures - valuation of issues - fundamental and technical considerations - Stock exchanges - role and importance, trading procedures in securities, - brokers and Jobbers, Index's - Role of SEBI in brief.			CO1

UNIT-II	**NATURE & SCOPE OF INVESTMENTS**	**Periods: 9**	
Basics of investment - Scope - Economic meaning and significance of income, savings, investments, security, speculation, and gambling Comparison between investment and speculation - Profile of Indian investors and factors influencing investment decisions - Internal and external factors, Legal framework of securities market in India, investors and stock exchanges, and its significance in Indian financial system.			CO2

UNIT-III	**INVESTMENT ALTERNATIVES**	**Periods: 9**	
Investment Options & Attributes Characteristics features of financial instruments, Types of financial assets & Instruments, Various investments - Company Shares, Debentures, Bonds, Mutual funds, fixed deposits, Futures & Options, post office schemes, UTI, LIC & Global securities - Risk, Return, Security, Maturity & Optional features. Finance vs Investments.			CO3

UNIT-IV	**MUTUAL FUNDS AND SECURITY MARKET ANALYSIS**	**Periods: 9**	
Mutual funds-concept and origin of the mutual funds; Types of mutual funds; Importance of mutual funds; Estimation of net asset value of mutual funds; Mutual funds in India; Security market analysis - fundamental analysis; Economic, industry and company analyses; Technical analysis			CO4

UNIT-V	**SECURITY VALUATION**	**Periods: 9**	
Security pricing Security Valuation - Factors influence valuation - Valuation of fixed income instruments and equities - calculation of return on yield, calculations Net worth - Equity valuation - security pricing model - Assumptions of single period classical CAPM model. Characteristic line, Capital Market Line, Security market Line - Arbitrage Pricing Model (APT)			CO5

Lecture Periods: 45	**Tutorial Periods:**	**Practical Periods: -**	**Total Periods: 45**

Text Books
1. Ronald Fisher & Jordan (2009). Investment Management. New Delhi. Tata Mc Grawl Publication.
2. Punithavathy & Pandian (2008). Security Analysis and Portfolio Management. New Delhi. Vikas Publishing House Pvt. Ltd.

Reference Books

1. Prasanna Chandra, Investment Analysis and Portfolio Management, 4th Edition, Tata McGraw Hill
2. M. Ranganathan and R. Madhumathi (2010). Investment Analysis and Portfolio Management. New Delhi. Pearson Education Press
3. V. A. Avadhani (2005). Security Analysis and Portfolio Management (7th ed.). New Delhi. Himalaya Publication.
4. V. K. Bhalla (2009). Security Analysis and Portfolio Management. New Delhi. Sultan Chand Publisher.

Web References

1. https://www.moneycontrol.com/stocksmarketsindia/
2. https://onlinecourses.swayam2.ac.in/imb24_mg26/preview
3. https://nptel.ac.in/courses/110104164
4 https://nptel.ac.in/courses/110107162
5. https://archive.nptel.ac.in/courses/110/105/110105035/

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10		5	5	5	75	100

Department	**BUSINESS STUDIES**	Programme: **B.Com. (Computer Application)**					
Semester	**FOURTH**	Course Category Code: **DSE** End Semester Exam Type: **TE**					
Course Code	**A20CCE405**	Periods / Week			Credit	Maximum Marks	
		L	T	P	C	CAM	ESE	TM
Course Name	**INSURANCE AND RISK MANAGEMENT**	3	0	0	3	25	75	100
Common to B.B.A (General), B.B.A (FDB), B.Com (CA)								

Prerequisite	-

	To understand the fundamental principles of Insurance.
Course Objective	To learn about Life Insurance and its products.
	To know the Fire and Marine Insurance and their types
	To understand the Legal Dimensions of Insurance in India
	To know the requirement of Risk Management

	On completion of the course, the students will be able to	BT Mapping (Highest Level)
Course Outcome	CO1	Demonstrate their understanding in Fundamentals of Insurance	**K1**
	CO2	Attain proper knowledge with various types of Life Insurance Policies	**K2**
	CO3	Develop a clear understanding of Fire and Marine Insurance	**K2**
	CO4	Show an understanding on the legal framework of Insurance in India	**K3**
	CO5	Explain the Risk Management and Risk Assessment	**K3**

UNIT-I	**INTRODUCTION TO INSURANCE BUSINESS**	**Periods: 09**	
Definition of insurance - Characteristics of insurance – Principles of contract of insurance – General Concepts of Insurance – Insurance and hedging – Types of insurance – Insurance intermediaries - General Insurance Business - Fundamental principles of general insurance.			**CO1**

UNIT-II	**LIFE INSURANCE BUSINESS**	**Periods: 09**	
Define Life Insurance - Fundamental principles of life insurance – Basic features of life insurance contracts - Types of life insurance policies – Term insurance – Whole life insurance and its variants – Endowment insurance and its variants – Annuities – Policies for children and females – Policies for handicapped lives – Pension plans – Health insurance – Claims settlement.			**CO2**

UNIT-III	**FIRE AND MARINE INSURANCE**	**Periods: 09**	
Fire Insurance – Meaning and Definition – Features – Hazards – Fundamental Principles of Fire Insurance – Kinds of Fire Policies – Settlement of Fire Claims.			**CO3**
Marine Insurance – Meaning and Definition – Kinds of Marine Insurance – Types of Marine Policies – Clauses in Marine Policies – Types of Marine Losses – Settlement of Marine Claims.			

UNIT-IV	**LEGAL DIMENSIONS OF INSURANCE**	**Periods: 09**	
The Insurance Act, 1938 – Life Insurance Act, 1956 – Insurance Regulatory and Development Act, 1999 – Consumer Protection Act, 1986.			**CO4**

UNIT-V	**RISK MANAGEMENT AND RISK ASSESSMENT**	**Periods: 09**	
Risk management – Objectives of risk management – Risk management process – Identifying and evaluating potential losses – Selecting appropriate technique for treating loss exposure – Risk financing – Implementing and administering risk management program – Personal risk management – Loss forecasting - Risk Assessment, Analysis, Evaluation, Risk Control and Treatment – Risk Reduction - Transfer and Sharing of Risk - Elimination and Retention of Risk.			**CO5**

Lecture Periods: 45	**Tutorial Periods:**	**Practical Periods: -**	**Total Periods: 45**

Text Books
1. A.Murthy "Elements of Insurance Risk Management & Insurance", Tata Mc Graw Hill, 5th Edition, 2006.
2. George Rejda, *Principles of Risk Management and Insurance*, Pearson Education 19th Edition 2017.
3. Gupta, P. K, *Insurance and Risk Management*, Himalaya Publishing House.

Reference Books

1. R.S.Sharma,"Insurance Principles & Practice",Vara Bombay, 6 th Edition,2006.
2. A.Murthy "Elements of Insurance", Margham Publications, 2 nd Edition, 2019.
3. Panda.G.S,"Principles and Practices of Insurance", Kalyani Publishers, 7 th Edition, 2012.

Web References

1. https://www.insuranceinstituteofindia.com/documents/10156/4877353c-4bd1-4bc9-bfc1-140acaebce8d
2. http://www.markowitzherbold.com
3. https://www.ebooksread.com
4. http://www.mikerussonline.com

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10		5	5	5	75	100

Department	Business Studies			Programme: B.Com. (Computer Application)				
Semester	FOURTH			Course Category Code: DSE		End Semester Exam Type: TE		
Course Code	A20CCE406	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	Financial Markets and Services	3	0	0	3	25	75	100
Prerequisite	Basic Knowledge on Financial Market.							
Course Objective	To know about the role and importance of Indian financial markets.							
	To have an exposure of Global Finance Market and services.							
	To understand the security market regulations.							
	To have exposure of resource mobilization in Capital Market.							
	To keep abreast of recent financial services.							

	On completion of the course, the students will be able to		BT Mapping (Highest Level)
Course Outcome	CO1	Understand the role and function of the financial system in reference to macro economy.	K1
	CO2	Demonstrate an awareness of the current structure and regulation of the Indian financial service sector.	K2
	CO3	Determine how the value of stocks, bonds and securities are calculated.	K2
	CO4	Analyse the concepts relevant to Indian financial markets and institutions.	K3
	CO5	Evaluate and create strategies to promote financial products and services.	K3

UNIT-I	FINANCIAL MARKETS	Periods: 9	
Introduction – Indian Financial systems and development – Overview of Financial Markets in India – Financial Rates of return – Financial Intermediaries – Government Securities Markets - Financial Markets Regulation Department (FMRD) – SEBI Regulations and Guidelines - Global Financial Market – Basic concepts, functions and Pros and Cons of IMF, FDI, World Bank.			CO1

UNIT-II	MONEY MARKET	Periods: 9	
Types of Financial market – Money Market Vs Capital Market – Importance of Money Market – Characteristics and features of Developed Money Market – Composition of Money Market - Money Market Instruments – Interbank Participation Certificate – Repo Instruments – Structure of Indian Money market – Institutions in Capital Market and Money market -Deficiencies of Indian Money Market – Recent Developments – Discounts and Finance House of India (DFHI).			CO2

UNIT-III	SECONDARY MARKET	Periods: 9	
Functions/Services of stock Exchange – Recognition of Stock Exchange – Procedure – Organization of stock exchange in India – Stock Brokers – Methods of Trading in a Stock Exchange – Current Settlement Procedure of Trading Transactions – Online Trading – BSE Bolt System – Mobile Trading – Algo Trading – Merits of Online Trading – Kinds of Speculators – Defects of Indian Stock/Capital Market – Genuine Trading Vs. Speculative Trading – OTCE – Trading in OTCE Exchange - Need for Investors' Protection – Factors affecting Investor's Interest – Investor's Protection measures.			CO3

UNIT-IV	FINANCIAL SERVICES: Mutual Funds and Venture Capital	Periods: 9	
Meaning, Scope and Innovations – Importance of Financial Services – Mutual Fund – Origin – Definition – Types – Importance of Mutual Fund – General guidelines – Reasons for slow growth – Future of Mutual Fund Industry – Venture Capital – Concept – guidelines – The Indian Scenario – Suggestions for the growth of Venture Capital Funds – Nitin Desai Committee's Recommendations.			CO4

UNIT-V	CREDIT RATING AND CREDIT CARDS	Periods: 9	
Meaning of Credit Rating – Functions and Benefits of Credit Rating in India – Benefits to Rated Companies – New Symbols of Credit Rating – Future Credit Rating in India – Credit Cards: - What is Credit Card? – Who can be a Credit Cardholder? – Types of Credit Card -Procedure at the time of purchase of member establishments – Facilities offered to Cardholders – Benefits and Demerits – Credit Card business in India – Recent trends in Financial Market services.			CO5

Lecture Periods: 45	Tutorial Periods:	Practical Periods: -	Total Periods: 45

Regulation-2020   IV Semester Syllabi   B.Com (Computer Application)

Text Books

1. Khan M.Y., "Financial Services", Tata MC Graw Hill 1998.
2. Varshney, P.N., "Indian Financial System", Sultan Chand & Sons 2000.
3. Gordon. E and Natarajan. K., "Financial Markets and Services, Himalaya Publishing House, 2003.

Reference Books

1. SEBI guidelines, Nabhi publications New Delhi.
2. Sontomero and Babbel, "Financial Markets, Instruments and Institutions, MC Graw Hill 1998.
3. Vasant Desai, "The Indian Financial System", Himalayan Publishing House.
4. Reports and guidelines of RBI and SEBI on different types.

Web References

1. https://pwonlyias.com/upsc-notes/financial-market/
2. https://testbook.com/ias-preparation/financial-market
3. https://prepp.in/news/e-492-financial-markets-indian-economy-notes
4. www.ibef.org/industry/financialservices.aspx
5. www.financialseervicesbiz.com/

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10	5	5	5		75	100

Department	**BUSINESS STUDIES**			Programme: **B.Com. (Computer Application)**				
Semester	**FOURTH**			Course Category Code: **DSC**		End Semester Exam Type: **LE**		
Course Code	**A20CCL403**	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	**PROGRAMMING WITH JAVA LAB**	**0**	**0**	**4**	**2**	**50**	**50**	**100**

Prerequisite	Basics Knowledge on Database Management System
Course Objective	To acquire programming skill in core java.
	To learn how to design java program and applications.
	To acquire object oriented skills in java.
	To develop the skill of designing applications.
	To explore database connectivity.

Course Outcome	**On completion of the course, the students will be able to**		BT Mapping (Highest Level)
	CO1	Apply and practice logical formulations to solve simple problems leading to specific applications.	**K1**
	CO2	Demonstrate the use of inheritance, interface and package in relevant applications.	**K2**
	CO3	Create java applications using exception handling multithread.	**K2**
	CO4	Build java distributed applications using Collections and IO streams**.**	**K3**
	CO5	Develop simple database programs	**K3**

LIST OF EXERCISES

1. Develop simple programs using java technologies and testing tools.

2. Develop a java program that implements class and object.

3. Write a java program to demonstrate inheritance.

4. Develop a simple program to illustrate the use of Multithreads.

5. Implement simple applications using Collections.

6. Create java applications using Exception Handling for error handling.

7. Develop a java program that implements the Packages.

8. Develop a simple application and use JDBC to connect to a back-end database.

9. Create a student application with Add, Edit, Delete, Show functions using JDBC.

10. Create a Bill Application to store sales details using JDBC.

Lecture Periods:	Tutorial Periods:	Practical Periods: 60	Total Periods: 60

Reference Books

1. Sagayaraj, Denis, Karthik, Gajalakshmi, "JAVA Programming for core and advanced learners", Universities Press Private Limited, 2018.
2. Paul Deitel Harvey Deitel**, "**JAVA How to program (Early Objects)",19th Edition, 2011
3. Cay.S.Horstmann and Gary Cornell, "Core Java 2", Vol 2, Advanced Features, Pearson Education, Seventh Edition, 2010.
4. HerbertSchildt, "The Complete Reference JAVA 2", TMH, Seventh Edition, 2006.
5. E. Balaguruswamy, "Programming with Java", TMH, 2nd Edition, 2005.

Web References

1. http://www.ibm.com/developerworks/java/
2. http://docs.oracle.com/javase/tutorial/rmi/.
3. IBM's tutorials on Swings, AWT controls andJDBC.
4. https://www.edureka.co/blog
5. https://www.geeksforgeeks.org

* LE - Lab Exam

Regulation-2020   *IV Semester Syllabi*   *B.Com (Computer Application)*

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)				End Semester Examination (ESE) Marks	Total Marks
	Model Exam	Observation	Record	Attendance		
Marks	20	10	10	10	50	100

Department	**BUSINESS STUDIES**		Programme: **B.Com. (Computer Application)**				
Semester	**FOURTH**		Course Category Code: **DSC**		End Semester Exam Type: **LE**		
Course Code	**A20CCL404**		Periods / Week		Credit	Maximum Marks		
			L	T	P	C	CAM	ESE	TM
Course Name	**DBMS LAB**		0	0	4	2	50	50	100
Prerequisite	Basics Knowledge on Database Management System								

Course Objective	To learn and understand DDL & DML
	To learn and understand DCL.
	To implement basic SQL Commands.
	To Execute PL/SQL Programs.
	To develop GUI applications in any Platform.

Course Outcome	**On completion of the course, the students will be able to**	BT Mapping (Highest Level)
	CO1 Implement DDL and DML commands.	**K1**
	CO2 Implement DCL commands.	**K2**
	CO3 Analyze PL/SQL programs.	**K2**
	CO4 Understand PL/SQL programs.	**K3**
	CO5 Develop GUI applications in their known platform.	**K3**

LIST OF EXERCISES

1. Create Table using Data Definition Language (DDL).
2. Modify Table using Data Manipulation Language (DML).
3. Store and Retrieve data through Data Control Language (DCL).
4. Implement Constraints and Built-in functions in various tables.
5. Perform Joins and Group-by functions.
6. Implement Simple Programs in PL/SQL.
7. Create PL/SQL programs using functions.
8. Create PL/SQL programs using Cursor.
9. Create PL/SQL programs using triggers.
10. Developing GUI applications.
    • Student Information System.
    • Inventory Management.
    • Payroll Processing.
	CO1

Lecture Periods:	Tutorial Periods:	Practical Periods: 30	Total Periods: 45

Reference Books

1. Ramez Elmasri, Durvasul VLN Somyazulu, Shamkant B Navathe, Shyam K Gupta, Fundamentals of Database Systems, Pearson Education, 7thEdition, 2016.
2. 2. Raghu Ramakrishna, Johannes Gehrke, Database Management Systems, McGraw Hill,3rdEdition, 2014.
3. 3. Abraham Silberschatz, Henry F Korth, S Sudharshan, Database System Concepts", McGraw-Hill Indian Edition, 7th Edition, 2013.
4. 4. Kuhn,"RMAN Recipes for Oracle Database", Apress, 2nd Edition,2013.
5. 5. Date CJ, Kannan A, Swamynathan S, An Introduction to Database System, Pearson Education, 8thEdition, 2006.

Web References

1. https://docs.oracle.com/cd/E11882_01/server.112/e41084/toc.htm MySQL Online Documentation
2. http://dev.mysql.com/doc/
3. 3. http://www.rjspm.com/PDF/BCA-428%20Oracle.pdf

* LE - Lab Exam

Regulation-2020   *IV Semester Syllabi*   *B.Com (Computer Application)*

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)				End Semester Examination (ESE) Marks	Total Marks
	Model Exam	**Observation**	**Record**	**Attendance**		
Marks	20	10	10	10	50	100

Department	BUSINESS STUDIES			Programme: B.Com. (Computer Application)			
Semester	FOURTH			Course Category Code: SEC		End Semester Exam Type: -	
Course Code	A20CCS403	Periods / Week			Credit	Maximum Marks	
		L	T	P	C	CAM	ESE	TM
Course Name	ENTREPRENEURIAL SKILLS	2	0	0	2	100	-	100
Prerequisite	Basic Knowledge on Financial Market.							

Course Objective	To develop the knowledge of basic concepts in the area of entrepreneurship.
	To generate innovative business ideas in the emerging industrial scenario
	To be familiar with the key steps in the elaboration of business idea.
	To help students to develop personal creativity and entrepreneurial initiative.
	To acquire requisite knowledge and skills for becoming successful entrepreneurs.

Course Outcome	On completion of the course, the students will be able to		BT Mapping (Highest Level)
	CO1	Familiarize with the concepts of entrepreneurship	K1
	CO2	Analyse the business environment in order to identify business opportunities.	K2
	CO3	Understand the institutional support to entrepreneurial development.	K2
	CO4	Understand the ethical challenges and social responsibility in a business setting.	K3
	CO5	Demonstrate the ability to create business plan and interpret their own business plan	K3

UNIT-I	ENTREPRENEUR AND ENTREPRENEURSHIP	Periods: 06	
Introduction - Entrepreneurship - concept, characteristics, types - Entrepreneurship in India - Entrepreneurship in developing countries - Intrapreneurs - Women Entrepreneurs - problems and prospects - Rural Entrepreneurs - problems and prospects - Social Entrepreneurs.			CO1

UNIT-II	ENTREPRENEURIAL DEVELOPMENT	Periods: 06	
Factors influencing Entrepreneurship - Entrepreneurial process - EDP - objective, phases of EDP - Tools for Environmental Scanning: SWOT Analysis – PESTLE Analysis – Michael Porter's Approach to Industry Analysis..			CO2

UNIT-III	ENTREPRENEURSHIP IN ACTION	Periods: 06	
Concept and Definition of MSME - Scope, Role of Government in promoting SSI - Business idea generation techniques - Registration of Industries and licensing - Marketing, Financial, Technical, Legal feasibility - Locational feasibility - Government rules and regulations. Simple Case Studies on Entrepreneurial Challenges. .			CO3

UNIT-IV	INSTITUTIONAL FINANACE TO ENTREPRENEURS	Periods: 06	
Central Government store purchase program - National small Industrial corporation - SIDBI, IDBI, TCO, IIFT, IFCI, ICICI, IRBI, Export Import Bank, Trade Development Authority, ECGC, MDA, EDII, IRDP, DIC, SSIB, SISI, SFC, Seed capital. Start-ups and Mudra Banks.			CO4

UNIT-V	EMERGING TRENDS IN ENTREPRENEURSHIP	Periods: 06	
Introduction - Venture capital financing concept, Venture capital in India - Social and Ethical responsibility of Entrepreneurs – Franchising and acquisition - Successful Entrepreneurs.			CO5

Lecture Periods: 30	Tutorial Periods: -	Practical Periods: -	Total Periods: 30

Text Books

1. C.B.Gupta & N.P.Srinivasan, "Entrepreneurial Development", Sultan Chand & Sons, 1st Edition, 2013.

2. S.S. Khanka, "Entrepreneurial Development", Sultan Chand & Sons, 1st Edition, 1999.

3. E. Gordon & K. Natarajan, "Entrepreneurship Development", Himalaya Publishing house, 5th Edition, 2015.

Reference Books

1. Abhijit Chatterjee & V. Sharma, "Entrepreneurship Development", Vayu Education of India, 1st Edition, 2020.

2. Vasant Desai, "Dynamics of entrepreneurial development", Wiley Eastern limited, 2nd Edition, 2016.

3. Lall, M & Sahai. S, "Entrepreneurship", Excel Book Publishers, 2nd Edition, 2013.

4. Jayshree Suresh, "Entrepreneurial Development", Margham Publications, 5th Edition, 2019.

Web References

1. https://www.crectirupathi.com/entrepreneurialdevelopment-notes/
2. http://simplynotes.in/entrepreneurialdevelopment
3. https://lecturenotes.in/subject/35/entrepreneurship-development-ed
4. http://msme.gov.in/allschemes
5. http://www.mbaexamnotes.com/businessidea.html

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)				Total Marks
	CAT 1	CAT 2	Assignment	Attendance	
Marks	70		20	10	100

Department	**Business Studies**	Programme: **B.Com. (Computer Application)**					
Semester	**FOURTH**	Course Category Code: AECC			*End Semester Exam Type: -		
Course Code	**A20AET403**	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	**VALUE EDUCATION**	2	0	0	2	100	0	100

Pedagogy:	Classrooms lecture, tutorials, Group discussion, Seminar, Role play & field work etc
Course Objective	To explain the importance of value education.
	To understand the importance of family values.
	To be familiar with ethical values
	To explain the importance of social values.
	To teach the importance of effect of international affairs on values of life.

Course Outcome	On completion of the course, the students will be able to		BT Mapping (Highest Level)
	CO1	Demonstrate their conceptual understanding in marketing and marketing mix.	**K2**
	CO2	Realise the importance of family values.	**K2**
	CO3	Understand the importance of social values.	**K3**
	CO4	Think and act on social values.	**K3**
	CO5	Understand the effect of international affairs on values of life.	**K2**

UNIT-I	**VALUE EDUCATION**	**Periods: 6**	
Definition – Relevance to present day – Concept of Human Values – Self-introspection – Self-Esteem.			**CO1**

UNIT-II	**FAMILY VALUES**	**Periods: 6**	
Components, Structure and Responsibilities of Family – Neutralization of anger – Adjustability – Threats of family life – Status of women in family and society – Caring for needy and elderly – Time allotment for sharing ideas and concerns			**CO2**

UNIT-III	**ETHICAL VALUES**	**Periods: 6**	
Professional Ethics – Mass Media Ethics – Advertising Ethics – Influence of Ethics on family life – Psychology of children and youth – Leadership qualities – Personality Development.			**CO3**

UNIT-IV	**SOCIAL VALUES**	**Periods: 6**	
Faith, service and secularism – Social sense and commitment – Students and Politics – Social Awareness, Consumer Awareness, Consumer rights and responsibilities – Redressal mechanisms.			**CO4**

UNIT-V	**EFFECT OF INTERNATIONAL AFFAIRS ON VALUES OF LIFE**	**Periods: 6**	
Issue of Globalization – Modern warfare – Terrorism. Environmental issues – mutual respect of different cultures, religious and their beliefs.			**CO5**

Lecture Periods: 30	**Tutorial Periods: -**	**Practical Periods: -**	**Total Periods: 30**

Text Books

1. M. Sivakumar & S. Mugilarasi, "Value Education", Tricy Publishers, 1st Edition, 2018.
2. N. Venkataiah, "Value Education", A P H Publishing Corporation, 4th Edition, 2013.
3. Kiruba Charles & V. Arul Selvi, "Value Education", Neelkamal Publishers, 1st Edition, 2016.

Reference Books

1. S.P. Ruhela,"Human Values and Education", Sterling Publications, 1st Edition, 1986.
2. D.D. Bandiste, "Humanist Values: A Source Book", B.R. Publishing Corporation, 1st Edition, 1999.
3. M.S. Das & V.K. Gupta, "Social Values among Young Adults: A changing scenario", M.D. Publications, 1st Edition, 1995.

Web References

1. https://www.youtube.com/watch?v=gw07USDCtBo
2. https://gupshups.org/value-education/
3. https://www.yourarticlelibrary.com/education/values-education/value-education-meaning-objectives-and-needs-india/86967
4. https://impoff.com/importance-of-values/
5. https://www.iberdrola.com/talent/value-education

Regulation-2020   IV Semester Syllabi   B.Com (Computer Application)

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	1	1	-	-	1	2	1	2
2	1	2	1	-	-	2	1	1
3	-	1	1	2	1	2	2	2
4	1	1	-	1	1	3	1	1
5	1	1	1	-	1	2	2	1

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)				End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Assignment	Attendance		
Marks	70		20	10	0	100

ANNEXURE - 3

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
(An Autonomous Institution)
(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NBA-AICTE, New Delhi, ISO 9001:2000 Certified Institution &
Accredited by NAAC with "A" Grade)
Madagadipet, Puducherry - 605 107

SCHOOL OF ARTS AND SCIENCE

BACHELOR OF COMMERCE
IN
COMPUTER APPLICATION

ACADEMIC REGULATIONS 2023
(R-2023)

CURRICULUM

COLLEGE VISION AND MISSION

Vision

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

Mission

M1: Quality Education:
To provide comprehensive academic system that amalgamates the cutting-edge technologies with best practices.

M2: Research and Innovation:
To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship:
To inculcate the employability and entrepreneurial skills through value and skill-based training.

M4: Ethical Values:
To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.

DEPARTMENT OF BUSINESS STUDIES

VISION AND MISSION

Vision

To explore value-based Accounting and Management Education through innovative and flexible curriculum that enables to decipher and adapt in multidisciplinary academic and research environments and the society at large.

Mission

M1: Knowledge Sharing:
To transform lives through knowledge creation and sharing

M2: Collaborative Learning:
To leverage the resources to provide experiential learning, immersion and other collaboration opportunities.

M3: Career Development:
To provide the best professional development and career growth opportunities to the students.

M4: Consistent Improvement:
To continuously improve through stakeholder engagement, industry relations, and assurance of learning across multiple domains.

Programme Outcome (PO)

PO1: Acquire the essential knowledge on the successful prospects of business.

PO2: Understand the practical issues and challenges that the trade world encounters.

PO3: Apply concepts, principles and procedures in transacting business effectively.

PO4: Gain analytical skill in undertaking commercial ventures and evaluate the pros and cons of embarking on trade and trade related activities based on their in-depth knowledge.

PO5: Be employable, exhibit entrepreneurial drive and be a model of principled and ethically sound business professionals.

Program Specific Outcomes (PSO)

PSO1: Apply the various business management and computer applications concepts to solve the real-world problems.

PSO2: Acquire the knowledge on object-based computer applications in various business fields.

PSO3: Enrich the practical knowledge on applications of accounting and programming languages in business ventures.

BACHELOR OF COMMERCE (COMPUTER APPLICATION)
STRUCTURE FOR UNDERGRADUATE PROGRAMME

Sl. No	Course Category	Breakdown of Credits
Part I		
1	Modern Indian Language (MIL)	06
Part II		
2	English (ENG)	06
Part III		
3	Discipline Specific Core Courses (DSC)	83
4	Discipline Specific Elective Courses (DSE)	12
5	Inter-Disciplinary courses (IDC)	13
6	Skill Enhancement Courses (SEC)	12
7	Employability Enhancement Courses (EEC*)	0
8	Ability Enhancement Courses (AEC)	04
9	Open Electives (OE)	04
10	Online Certification Course (OCC*)	0
11	Extension Activity (EA*)	0
Total		**140**

SCHEME OF CREDIT DISTRIBUTION – SUMMARY

Sl. No.	Course Category	Credits per Semester						Total Credits
		I	II	III	IV	V	VI	
Part I								
1	Language (MIL)	3	3					06
Part II								
2	English (ENG)	3	3					06
Part III								
3	Discipline Specific Core Courses (DSC)	13	9	14	18	13	16	83
4	Discipline Specific Elective Courses (DSE)			3	3	3	3	12
5	Inter-Disciplinary Courses (IDC)	3	7			3		13
6	Skill Enhancement Courses (SEC)	2	2	2	2	2	2	12
7	Employability Enhancement Courses (EEC*)	0	0	0	0			0
8	Ability Enhancement Courses (AEC)	1	1	1	1			04
9	Open Electives (OE)			2	2			04
10	Online Certification Course (OCC*)					0		0
11	Extension Activity (EA*)		0					0
Total		**25**	**25**	**22**	**26**	**21**	**21**	**140**

* EEC, OCC, EA will not be included for the computation of "Total of Credits" as well as "CGPA".

SEMESTER – I										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Part I										
Theory										
1	A23FRT101C	French - I	MIL	3	0	0	3	25	75	100
	A23TAT101C	Tamil - I								
Part II										
Theory										
2	A23BET102C	Business English - I	ENG	3	0	0	3	25	75	100
Part III										
Theory										
3	A23CST101C	Financial Accounting for Business	DSC	3	1	0	4	25	75	100
4	A23BAD101C	Managerial Economics	IDC	3	0	0	3	25	75	100
5	A23CPT101C	Problem Solving using C	DSC	4	0	0	4	25	75	100
6	A23BAT102C	Business Management and Practices	DSC	3	0	0	3	25	75	100
Practical										
7	A23CPL101C	Programming in C Lab	DSC	0	0	4	2	50	50	100
Skill Enhancement Course										
8	A23ENSA01C	Communication Skill	SEC	0	0	4	2	100	0	100
Ability Enhancement Course										
9	A23AETA02C	Environmental Studies	AEC	1	0	0	1	100	0	100
Employability Enhancement Course										
10	A23CCC101D	Certification Course - I*	EEC	0	0	4	0	100	0	100
							25	500	500	1000

* Employability Enhancement Course are to be selected from the list in Annexure I

SEMESTER – II										
SI. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Part I										
Theory										
1	A23FRT202C	French - II	MIL	3	0	0	3	25	75	100
	A23TAT202C	Tamil - II								
Part II										
Theory										
2	A23BET202C	Business English - II	ENG	3	0	0	3	25	75	100
Part III										
Theory										
3	A23CMT203C	Advanced Financial Accounting	DSC	3	1	0	4	25	75	100
4	A23BAD202C	Legal Aspects of Business	IDC	3	0	0	3	25	75	100
5	A23MADA01C	Business Mathematics and Statistics	IDC	3	1	0	4	25	75	100
6	A23CPT203C	Fundamentals of Information Technology	DSC	3	0	0	3	25	75	100
Practical										
7	A23BFL201C	Spreadsheets Lab	DSC	0	0	4	2	50	50	100
Skill Enhancement Course										
8	A23ENSA02C	Soft Skills	SEC	0	0	4	2	100	0	100
Ability Enhancement Course										
9	A23AETA01C	Public Administration	AEC	1	0	0	1	100	0	100
Employability Enhancement Course										
10	A23CCC202D	Certification Course - II*	EEC	0	0	4	0	100	0	100
Extension Activity										
11	A23EAS201C	National Service Scheme	EA	0	0	2	0	100	0	100
							25	600	500	1100

* Employability Enhancement Course are to be selected from the list in Annexure I

Curriculum - Regulations 2023   *B.Com. (Computer Application)*

SEMESTER – III
Sl. No.	Course Code	Course Title	Category	\multicolumn{3}{c}{**Periods**}	Credits	\multicolumn{3}{c}{**Max. Marks**}
				L	T	P		CAM	ESM	Total
Part III
Theory
1	A23CMT305C	Corporate Accounting	DSC	3	1	0	4	25	75	100
2	A23CPT305C	Programming in C++	DSC	4	0	0	4	25	75	100
3	A23BAT307C	Financial Management	DSC	3	1	0	4	25	75	100
4	A23CCE301D	Basics of Data Science	DSE	3	0	0	3	25	75	100
	A23CCE302D	System Software Concepts								
	A23CCE303D	Business Strategy								
5	A23XXO30XC	Open Elective - I	OE	2	0	0	2	25	75	100
Practical
6	A23CPL305C	Programming in C++ Lab	DSC	0	0	4	2	50	50	100
Skill Enhancement Course
7	A23CCS301D	Accounting using Software	SEC	0	0	4	2	100	0	100
Ability Enhancement Course
8	A23AETA04C	Value Education	AEC	1	0	0	1	100	0	100
Employability Enhancement Course
9	A23CSC303D	Certification Course - III*	EEC	0	0	4	0	100	0	100
							22	475	425	900

* Employability Enhancement Course are to be selected from the list in Annexure I

Curriculum - Regulations 2023   *B.Com. (Computer Application)*

SEMESTER – IV										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Part III										
Theory										
1	A23CMT409C	Management Accounting	DSC	3	1	0	4	25	75	100
2	A23CPT406C	Problem Solving using JAVA	DSC	4	0	0	4	25	75	100
3	A23CPT407C	Database Management Systems	DSC	3	0	0	3	25	75	100
4	A23CME404D	Basics of Stock Market	DSE	3	0	0	3	25	75	100
	A23CME405D	Insurance and Risk Management								
	A23CME406D	Financial Markets and Services								
5	A23XXO40XC	Open Elective - II	OE	2	0	0	2	25	75	100
Practical										
6	A23CPL406C	Programming using JAVA Lab	DSC	0	0	4	2	50	50	100
7	A23CPL407C	Database Management System Lab	DSC	0	0	4	2	50	50	100
Internship										
8	A23CCN401D	Internship / In-Plant Training	DSC	0	0	6	3	40	60	100
Skill Enhancement Course										
9	A23MASA01C	Quantitative Aptitude and Logical Reasoning	SEC	0	0	4	2	100	0	100
Ability Enhancement Course										
10	A23AETA03C	Indian Constitution	AEC	1	0	0	1	100	0	100
Employability Enhancement Course										
11	A23CCC404D	Certification Course - IV*	EEC	0	0	4	0	100	0	100
							26	565	535	1100

Employability Enhancement Course are to be selected from the list in Annexure I

		SEMESTER – V									
SI. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
		Part III								
Theory										
1	A23CST503C	Income Tax Law and Practice	DSC	3	1	0	4	25	75	100
2	A23CPT508C	Python Programming	DSC	4	0	0	4	25	75	100
3	A23CMT510C	Financial Reporting and Analysis - I	DSC	3	0	0	3	25	75	100
4	A23CME507C	Financial Derivatives	DSE	3	0	0	3	25	75	100
	A23CME508C	Banking and Insurance								
	A23CME509C	Security Analysis and Portfolio Management								
Practical										
5	A23CPL508C	Python Programming and Network Lab	DSC	0	0	4	2	50	50	100
Project										
6	A23BAP503C	Social Responsibility Project	IDC	0	0	6	3	40	60	100
Skill Enhancement Course										
7	A23BAS502C	Business Research Methods	SEC	0	0	4	2	100	0	100
Online Certification Course										
8	A23CCM501D	MOOC - Certificate Course	OCC	0	0	4	0	Successful Completion		
							21	290	410	700

		SEMESTER – VI									
SI. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
		Part III								
Theory										
1	A23CMT613C	Financial Reporting and Analysis - II	DSC	3	0	0	3	25	75	100
2	A23CPT609C	Artificial Intelligence and Machine Learning	DSC	4	0	0	4	25	75	100
3	A23CST607C	Goods and Services Tax	DSC	3	1	0	4	25	75	100
4	A23CCE604D	Ethical Hacking	DSE	3	0	0	3	25	75	100
	A23CCE605D	Cyber Security and Digital Forensics								
	A23CME612C	Personal Finance								
Project										
5	A23CCP601D	Project	DSC	0	0	10	5	40	60	100
Skill Enhancement Course										
6	A23BAS603C	Life Skills Development and Mentoring	SEC	0	0	4	2	100	0	100
							21	240	360	600

EMPLOYABILITY ENHANCEMENT COURSES - CERTIFICATION COURSES

(Not included in CGPA and Credits computation)

Certification Course - I, II, III & IV
(To be chosen from the below list but not limited)

SI. No.	Course Title
1	MS Office
2	Advanced Excel
3	Tally
4	Digital Marketing
5	Internet of Things
6	Block Chain
7	Artificial Intelligence
8	Investment & trading Strategies
9	Foundation of Stock Market Investing
10	Google Analytics

Department	**TAMIL**		Programme: **B.Com (Computer Application)**				
Semester	**SECOND**		Course Category Code: **MIL**		*End Semester Exam Type: **TE**		
Course Code	**A23TAT202C**		Periods/Week			Credit	MaximumMarks
			L	T	P	C	CAM	ESE	TM
Course Name	**TAMIL – II**		**3**	**0**	**0**	**3**	**25**	**75**	**100**

(Common to **B.A, B.Sc., BBA., B.COM., BCA., B.COM CS.,**)

Prerequisite	பன்னிரெண்டாம் வகுப்பில் தமிழை ஒரு பாடமாகப் பயின்றிருக்க வேண்டும்.

Course Objectives	• செவ்விலக்கிய தன்மை கொண்ட தமிழ்மொழியின் சிறப்பினை எடுத்துரைப்பதாக இப்பாடத்திட்டம் அமைக்கப்பட்டுள்ளது.
	• இரண்டாயிரம் ஆண்டுகாலத் தமிழின் தொன்மையையும் வரலாற்றையும் அதன் விழுமியங்களையும் பண்பாட்டையும் எடுத்துரைப்பதாக இப்பாடத்திட்டம் அமைக்கப்பட்டுள்ளது.
	• தமிழ் இலக்கியம் உள்ளடக்கத்திலும், வடிவத்திலும் பெற்றமாற்றங்கள், அதன் சிந்தனைகள், அடையாளங்கள் ஆகியவற்றைக் காலந்தோறும் எழுதப்பட்ட இக்கியங்களின் வழியாகக் கூறுவதற்கு இப்பாடத்திட்டம் அமைக்கப்பட்டுள்ளது.
	• வாழ்வியல் சிந்தனைகள், ஒழுக்கவியல் கோட்பாடுகள், சமத்துவம், சுழலியல் எனப் பல கூறுகளை மாணவர்களுக்கு எடுத்துரைக்கும் விதத்தில் இப்பாடத்திட்டம் உருவாக்கப்பட்டுள்ளது.
	• சிந்தனை ஆற்றலைப் பெருக்குவதற்குத் தாய்மொழியின் பங்களிப்பினை உணர்த்த இப்பாடத்திட்டம் அமைக்கப்பட்டுள்ளது.

Course Outcome	On completion of the course, the students will be able to		BT Mapping (Highest Level)
	CO1	இலக்கியங்கள் உணர்த்தும் வாழ்வியல் நெறிமுறைகளைப் பேணிநடத்தல்.	K3
	CO2	நமது எண்ணத்தை வெளிப்படுத்தும் கருவியாகத் தாய்மொழியைப் பயன்படுத்துதல்.	K3
	CO3	தகவல் தெடர்புக்குத் தாய்மொழியின் முக்கியத்துவத்தை உணர்தல்.	K2
	CO4	தாய்மொழியின் சிறப்பை அறிதல்.	K3
	CO5	இலக்கிய இன்பங்களை நுகரும் திறன்களை வளர்த்தல்.	K3

UNIT-I	**காப்பியம்**	**Periods: 09**	
சிலப்பதிகாரம்	- வழக்குரைகாதை–காவியுகுநீரும்…முதல் தோற்றான் உயிர்வரை (8 வரிகள்)		CO1
மணிமேகலை	- பளிக்கறை புக்ககாதை–மதுமலர்க் கூந்தல்…முதல் புறமறிப் பாராய் வரை (106-121வரிகள்)		
பெரியபுராணம்	- இளையான்குடிமாறநாயனார்புராணம் - உள்ளம் அன்புகொண்டு…(17ஆவது பாடல்மட்டும்)		
கம்பராமாயணம்	- கும்பகர்ணவதைப்படலம் - உறங்குகின்ற கும்பகன்ன… (45ஆவதுபாடல் மட்டும்)		
தேம்பாவணி	- பாலமாட்சிப்படலம் - ஊட்டினார்அருள்…(229 பாடல் மட்டும்)		
சீறாப்புராணம்	- மழையமைப்பித்தப் படலம் - வேயினை முறித்து எனத் தொடங்கும் (15ஆவது பாடல் மட்டும்)		

UNIT-II	**பதினென் கீழ்க்கணக்கு நூல்கள்**	**Periods: 09**	
திருக்குறள்	- வலியறிதல் (48),நெஞ்சொடுகிளத்தல் (125)		CO2
நாலடியார்	- அரும்பெறல்…(பாடல் எண்:34)		
சிறுபஞ்சமூலம்	- பூவாது காய்க்கும்…(பாடல் எண்:22)		
ஐந்திணைஐம்பது	- சுனைவாய்ச் சிறுநீரை…(பாடல் எண்:38)		
கார்நாற்பது	- கருவிளை கண்மலர்போல் பூத்தன…(பாடல் எண்:34)		
களவழிநாற்பது	- ஞாட்பினுளெஞ்சிய (பாடல் எண்:2)		

UNIT-III	**சங்க இலக்கியம் - எட்டுத்தொகை**	**Periods: 09**	
ஐங்குறுநூறு	- பாடல் எண்:44 - தோழி கூற்று		CO3
குறுந்தொகை	- பாடல் எண்:224 - தலைவி கூற்று		
நற்றிணை	- பாடல் எண்:284 - தலைவன் கூற்று		
அகநானூறு	- பாடல் எண்:145 - செவிலி கூற்று		
புறநானூறு	- பாடல் எண்:102 - ஒளவையார்		
பரிபாடல்	- பாடல் எண்:3 - திருமால் வாழ்த்து (1-11வரிகள்)		

UNIT-IV	**பத்துப்பாட்டு**	**Periods: 09**	
பொருநராற்றுப்படை	- வாரியும் வடித்தும்…முதல் பெருந்தகு பாடினி வரை (25-47)		CO4
சிறுபாணாற்றுப்படை	- பைந்தனை அவரை…முதல் வென்றிவேலூர் எய்தின் வரை (164-173)		
பெரும்பாணாற்றுப்படை	-பார்வையாத்த…முதல் பதம் மிகப் பருகுவீர் வரை (95-105)		
குறிஞ்சிப்பாட்டு	- அண்ணல் நெடுங்கோடு…முதல் சிவந்தகண்ணேம் வரை(54-61)		
மதுரைக்காஞ்சி	- மைபடுபெருந்தோள்…முதல் பெரும்பெயர் மதுரை வரை (687-699)		
நெடுநல்வாடை	- குளிர்காலக்காட்சி- கல்லென் துவலைத்…முதல் பண்ணுமுறை நிறுப்ப வரை (64-70)		

Regulation-2023   II Semester Syllabi   B.Com. (Computer Application)

UNIT-V	மொழிப்பயிற்சி, இலக்கியவரலாறு		Periods: 09

1.முதல், கரு, உரிப்பொருள் அறிதல் 2.அலகிட்டு வாய்ப்பாடு 3.அணிகள் அறிதல் இலக்கிய வரலாறு31 காப்பியம், அறஇலக்கியம், சங்க இலக்கியம் குறித்தப் பாடப்பகுதியை ஒட்டிய இலக்கிய வரலாறு.	CO5

Lecture Periods: 45	Tutorial Periods:-	Practical Periods:-	TotalPeriods:45

Text Books

1. **சிவகுமார்,எஸ்., -கொங்குதேர்வாழ்க்கை,** பாடல் தொகுப்பு நூல் - தொகுதி -1, யுனைடெட் ரைட்டர்ஸ்,சென்னை -86. முதற்பதிப்பு.2003.
2. **சாமிநாதையர் டாக்டர் உ.வே.** குறுந்தொகை மூலமும் உரையும், டாக்டர் உ.வே.சாமிநாதையர் நூல் நிலையம், வெளியீட்டெண்: 277,பெசன்ட் நகர், சென்னை– 600 090.எட்டாம் பதிப்பு– 2020.
3. **வேங்கடராமன், வித்துவான்.ஹெச். (பதி.) - நற்றிணை மூலமும் உரையும்,**டாக்டர்உ.வே.சாமிநாதையர் நூல் நிலையம், வெளியீட்டெண்: 277,பெசன்ட் நகர்,சென்னை– 600 090. எட்டாம் பதிப்பு– 2020.
4. **திருவள்ளுவர்- சேயோன் டாக்டர் - திருக்குறள்,**மயிலைத் திருவள்ளுவர்தமிழ்ச் சங்கம்,184,பிராட்வே,சென்னை 600 108
5. **வேங்கடசாமிநாட்டார்,ந.மு., - கார்நாற்பது,களவழிநாற்பது–**சாரதாபதிப்பகம்,சாந்திஅடுக்ககம், ஸ்ரீகிருஷ்ணபுரம் தெரு, இராயப்பேட்டை,சென்னை -14. முதற்பதிப்பு: 2005.

Reference Books

1. சிற்பிபாலசுப்பிரமணியம் மற்றும் நீலபத்மநாபன் (ப.ஆசி.) –புதியதமிழ் இலக்கியவரலாறு, தொகுதி-1,2,3, சாகித்திய அகாதெமி, புதுடெல்லி, 2013.
2. பாக்கியமேரி, வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு (செம்மை மற்றும் விரிவுப் பதிப்பு), பாரிநிலையம். சென்னை,
3. ஆனந்தன். சு. முனைவர்., - தமிழ் இலக்கியவரலாறு,கண்மணிபதீப்பகம், திருச்சி-2. இருபத்தி மூன்றாம் பதிப்பு– 2015.
4. பரந்தாமனார்,அ.கி.,நல்லதமிழ் எழுதவேண்டுமா,பாரிநிலையம்,சென்னை, 1998.
5. சம்பத், இரா., (பதி) -தொல்காப்பியக் கவிதையியல் வடிவம்-பாடுபொருள்-உத்தி-வகைமை,புதுச்சேரிமொழியியல் பண்பாட்டுஆராய்ச்சிநிறுவனம். முதற்பதிப்பு–அக்டோபர் 2015.

Web References

1. http://www.tamilvu.org
2. http://www.tamilweb.com
3. http://www.tamilkodal.com
4. www.store.tamillexican.com
5. www.kala.tamilforu.blogspot.com
6. www.noolagam.com

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO 3
1	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3
3	3	2	3	3	2	3	3	3
4	2	3	2	3	2	2	3	2
5	3	2	3	2	3	3	3	3

Correlation Level: 1: Low, 2: Moderate, 3: High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment*	Attendance		
Marks	10		5	5	5	75	100

Department	French			Programme: B.Com (Computer Application)				
Semester	Second			Course Category Code: MIL		*End Semester Exam Type:TE		
Course Code	A23FRT202C	Periods/Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	FRENCH II	3	0	0	3	25	75	100
(Common to B.A.., B.SC., and BCA Branches)								
Prerequisite	Basic knowledge of French language							

Course Objective	To introduce the basics of French language to the students	
	To enable the students to read, understand and write simple sentences	
	To help them to grasp the fundamentals of French grammar	
	To make the students to formulate correct phrases	
	To introduce them French and Francophone countries and their cultures	

Course Outcomes	On completion of the course, the students will be able to		BT Mapping (Highest Level)
	CO1	have a general understanding of the language	K3
	CO2	analyze and interpret simple phrases written in French	K3
	CO3	have the basics of French grammar	K3
	CO4	communicate and ask basic questions in French language	K3
	CO5	appreciate the diversity and multiplicity of French and Francophone world	K3

UNIT-I	Parler des choses	Periods:09

1. Qu'est-ce qu'on offre?
2. L'interro-négation.
3. On Solde
4. Le comparatif.
5. Les fêtes

CO1

UNIT-II	Découvrir le futur	Periods:09

1. Découvrir Paris en bus avec l'open tour.
2. Les verbes pronominaux
3. Si vous gagnez, vous ferez quoi?
4. Le futur simple
5. Les superlatifs.

CO2

UNIT-III	Exprimer le climat et temps	Periods:09

1. Parasol ou parapluie
2. Le climat en France.
3. Quand il est midi à Paris?
4. L'emploi du temps:métro, boulot, restau.
5. Parler du temps qu'il fait.

CO3

UNIT-IV	Paris et France - une vue	Periods:09

1. Vous allez vivre à Paris?
2. Les régions de France
3. L'avenir du français.
4. La place des adjectifs.
5. Souvenirs d'enfance.

CO4

UNIT-V	Pratiquer la langue	Periods:09

1. J'ai fait mes études à Lyon.
2. Retour des Antilles
3. Raconter ses vacances.
4. Au voleur! Au voleur!
5. Les journaux en France.

CO5

Lecture Periods:45	Tutorial Periods:	Practical Periods:-	TotalPeriods:45

Text Books

1. Sylvie Poisson Quinton and Michèle Maheo, *Festival 1 Méthode de Français*, CLE editions, 2009
2. Nathalie Hirschsprung and Tony Tricot, *Cosmopolite 1*, Hachette editions, 2017

Reference Books

1. Régine Mérieux and Yves Loiseau, *Latitudes 1*, Didier editions, 2017
2. Annie Berthet and Emmanuelle Daili, *Alter Ego + A1*, Hachette editions, 2012
3. Bruno Giradeau, *Réussir le Delf A1*, Didier editions, 2019

Web References

1. https://www.tv5monde.com
2. https://www.rfi.fr
3. https://www.lemonde.fr
4. https://www.frenchpodcasts.com
5. https://www.coursera.org

* TE – Theory Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (PO)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	3	3	3	3	3	1	3	3
2	3	3	3	3	3	1	3	3
3	3	3	3	3	3	1	3	3
4	3	3	3	3	3	1	3	2
5	3	3	3	3	3	1	3	2

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10		5	5	5	75	100

Regulation-2023   II Semester Syllabi   B.Com. (Computer Application)

Department	**ENGLISH**		Programme: **B.Com (Computer Application)**				
Semester	**SECOND**		Course Category Code: **ENG**		End Semester Exam Type: **TE**		
Course Code	A23BET202C		Periods / Week		Credit	Maximum Marks	
			L	T	P	C	CAM	ESE	TM

Course Code	A23BET202C	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	**BUSINESS ENGLISH II**	**3**	**0**	**0**	**3**	**25**	**75**	**100**

(Common to all Programmes in B.Com., and BBA)

Prerequisite	Students with Intermediate level of Language Fluency
Course Objectives	To handle themselves with proper ethics in a variety of Business Contexts
	To learn all about the basic parts and components that make up a sentence and to form meaningful sentences
	To communicate with others in practical, business-oriented situations
	To write effective emails that communicates the message more succinctly, intelligently and accurately
	To identify the key skills necessary for an employee to reach target performance in their specific role

Course Outcomes	*On completion of the course, the students will be able to*		BT Mapping (Highest Level)
	CO1	Foster an environment of ethical behaviors and prove the excellence	**K3**
	CO2	Write a clear and concise style of sentences	**K3**
	CO3	Stay connected with colleagues, customers and other professionals in the business oriented situations	**K3**
	CO4	Raise learners' confidence when using emails to communicate in the business context	**K3**
	CO5	Apply learnt competencies in the liberal arts to everyday life	**K3**

UNIT-I	BUSINESS ETHICS AND COMMUNICATION	Periods: 09	
1. Principles of Business Ethics 2. Workplace Ethics 3. Communication Ethics 4. Communicating Corporate Culture 5. Communicating Business Environment			CO1

UNIT-II	SENTENCE TYPES AND WORD POWER	Periods: 09	
1. Sentence Types – Active Voice and Passive Voice, Direct and Indirect Speech 2. Types of Clauses – Dependendent, Independent and Relative Clauses 3. Types of Sentences – Simple, Compound, Complex and Compound & Complex Sentences			CO2

UNIT-III	SPEAKING IN THE BUSINESS WORLD	Periods: 09	
1. Ice Breakers 2. Getting your point across 3. Establishing rapport and showing interest 4. Responding to Feedback 5. Expressing personal views 6. Introducing new Business Vocabularies			CO3

UNIT-IV	WRITING BUSINESS EMAILS	Periods: 09	
1. Types of B2B Emails 2. Efficient use of Emails 3. Main component of Emails 4. Email Attacks 5. Email – Exercises			CO4

UNIT-V	WORKPLACE COMPETENCIES	Periods: 09	
1. Resources 2. Interpersonal Skills 3. Information 4. Systems 5. Technology			CO5

Lecture Periods: 45	Tutorial Periods: 0	Practical Periods: 0	Total Periods: 45

Regulation-2023   II Semester Syllabi   B.Com. (Computer Application)

Text Books

1. Scott McLean, *Business English for Success*, Saylor Foundation, 2011
2. Business English Advanced CEFR Level
3. Simon Sweeney, *English for Business Communication Student's Book* , Student Edition, Cambridge University Press,14 April 2003

Reference Books

1. Ann Handley, *Everybody Writes*, Wiley Publisher, 4 November 2014
2. Team Mailmodo, *A Step-by-Step Guide to Improve Email Performance, E-Book*
3. Michael Swan, *Practical English Usage*, Oxford Publication, First published January 1, 1981

Web References

1. www.panola.edu
2. www.speacialistlanguagecourses.com
3. www.businessenglishresources.com

* TE – Theory Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3
1	3	3	3	3	3	1	3	3
2	3	3	3	3	3	1	3	3
3	3	3	3	3	3	1	3	3
4	3	3	3	3	3	1	3	2
5	3	3	3	3	3	1	3	2

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10	5	5	5	75	100

Department	**Business Studies**			Programme: **B.Com (Computer Application)**			
Semester	**SECOND**			Course Category Code: **DSC**		End Semester Exam Type: **TE**	
Course Code	A23CMT203C	Periods / Week			Credit	Maximum Marks	

		L	T	P	C	CAM	ESE	TM
Course Name	**ADVANCED FINANCIAL ACCOUNTING**	**3**	**1**	**0**	**4**	**25**	**75**	**100**

Common to B.Com. (General), B. Com (CA), B.Com. (CS)

Prerequisite	-

Course Objective	To develop the knowledge of partnership accounting and admission of a new partners
	To handle the accounting for retirement and death of existing partners
	To be conversant with accounting for dissolution of partnership firm
	To be familiar with the accounting treatment for partnership firm on insolvency of all partners
	To elaborate the role of IFRS

Course Outcome	**On completion of the course, the students will be able to**		BT Mapping (Highest Level)
	CO1	Prepare financial accounts for firms and in different situations of admission of new Partners	K1
	CO2	Handle partnership accounts in situations of retirement and death of partners	K2
	CO3	Understand the difference between the dissolution of the firm and dissolution of partnership	K2
	CO4	Prepare financial statements for partnership firm on insolvency of all partners	K3
	CO5	To know the requirements of international accounting standards	K3

UNIT-I	PARTNERSHIP ACCOUNTING: ADMISSION OF PARTNERS	Periods: 12	
Introduction - Meaning, definition and features of partnership - Partnership deed. Admission of a new partner : Introduction - New profit-sharing ratio and sacrificing ratio - Revaluation of assets and liabilities – Adjustments of Reserves and other accumulated profit and losses - Adjustment of capital on the basis of new profit-sharing ratio.			CO1

UNIT-II	RETIREMENT AND DEATH OF PARTNERS	Periods: 12	
Retirement of a partner – Introduction - Adjustments required on retirement of a partner : profit-sharing ratio and Gaining ratio, Goodwill (Basics and journal entries only), Revaluation of assets and liabilities - Death of a partner - Mode of Payment (Lump sum and Installment payment Method) - Adjustments required on the death of a partner.			CO2

UNIT-III	DISSOLUTION OF FIRM	Periods: 10	
Dissolution of Partnership – Meaning – Mode of Dissolution – Rules of Settlement of Accounts after Dissolution- Accounting Treatment at the time of Dissolution – Goodwill - Preparation of Balance Sheet as on the date of dissolution			CO3

UNIT-IV	INSOLVENCY OF PARTNERS: PIECE-MEAL DISTRIBUTION	Periods: 14	
Insolvency of Partners: meaning of insolvency - Garner Vs Murray Rule - Accounting Procedure under fixed capitals Method – Criticisms of fluctuating Capital Method – Accounting Treatment when all Partners are Insolvent - Piecemeal Distribution: proportionate or surplus capital method and maximum possible loss method			CO4

UNIT-V	ACCOUNTING STANDARDS FOR FINANCIAL REPORTING	Periods: 12	
Objectives and Uses of Financial Statements for Users-Role of Accounting Standards - Development of Accounting Standards in India- Requirements of International Accounting Standards - Role of Developing IFRS- IFRS Adoption or Convergence in India- Implementation Plan in India- Ind AS- An Introduction - Difference between Ind AS and IFRS.			CO5

Lecture Periods: 60	Tutorial Periods:	Practical Periods: -	Total Periods: 60

Text Books

1. T.S. Reddy & Dr. A. Muruthy, "Financial Accounting", Margham Publications, 7th Revised Edition, 2022
2. S.P. Jain & K.L. Narang, "Financial Accounting", Kalyani Publishers, 12th Edition, 2014.

Regulation-2023   II Semester Syllabi   B.Com. (Computer Application)

Reference Books

1. M.C. Shukla, T.S. Grewal & S.C. Gupta, "Advanced Accounts – Vol.1", S.Chand & Sons, 19th Edition, 2017

2. R.L. Gupta & Radhasamy, "Advanced Accountancy – Vol.1", Sultan Chand & Sons, 1st Edition, 2013.

3. Arulanandam & Raman, "Advanced Accountancy Vol.1", Himalaya Publishing House, 7th Edition, 2018

4. Maheswari & Maheswari, "Financial Accounting", Vikas Publishing House, 6th Edition, 2018.

Web References

1. https://www.geektonight.com/financial-accounting-notes/
2. http://students.icwai.org/studies/studies/fin_Acc.aspx
3. https://lecturenotes.in/download/material/18026-financial-accounting
4. https://ocw.mit.edu/courses/sloan-school-of-management/15-515-financial-accounting-fall-2003/https://www.icai.org/post.html?post_id=12430

* TE - Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10	5	5	5	5	75	100

Department	MATHEMATICS	Programme: B.Com (Computer Application)						
Semester	Second	Course Category Code: IDC			*End Semester Exam Type: TE			
Course Code	A23MADA01C	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	BUSINESS MATHEMATICS AND STATISTICS	3	1	0	4	25	75	100
Common to B.Com. (General), B. Com (A&F), B. Com (CA), B.Com. (CS), BBA (G), BBA (FDB)								
Prerequisite	Basic Mathematics Knowledge							

Course Outcome	On completion of the course, the students will be able to		BT Mapping (Highest Level)
	CO1	Demonstrate an understanding of applications of Matrices and Determinants.	K2
	CO2	Analyse the applications of matrices and determinants in business and economics.	K4
	CO3	Solve problems related to central tendency and measures of dispersion.	K3
	CO4	Demonstrate the Application of correlation and regression analysis.	K2
	CO5	Apply the concept of testing of small samples.	K3

UNIT-I	MATRICES AND DETERMINANTS	Periods: 12	
Matrices: Definition and Types - Equality of matrices - Algebra of matrices - Transpose of a Matrix - Determinants of a Matrix. Properties of Determinants - Inverse of a Matrix.			CO1

UNIT-II	APPLICATIONS OF MATRICES	Periods: 12	
Matrix Representation of Data – Matrix Addition and Subtraction - Scalar Multiplication. Methods of Solving non-homogenous system of linear equations: Matrix Inverse method - Determinants method - Gauss Jordon - Elimination method.			CO2

UNIT-III	MEASURES OF CENTRAL TENDENCY AND DISPERSION	Periods: 12	
Measures of central Tendency: Arithmetic Mean – Median – Mode - Empirical relation between Mean, Median and Mode. Measure of Dispersion: Range and Coefficient of range - Standard Deviation - Co-efficient of variation.			CO3

UNIT-IV	CORRELATION AND REGRESSION ANAYSIS	Periods: 12	
Karl Pearson's co-efficient of correlation - spearman's rank correlation coefficient - Regression analysis - simple regression equations.			CO4

UNIT-V	TEST OF HYPOTHESIS AND DESIGN OF EXPERIMENTS	Periods: 12	
Smal samples: Test based on chi square test, t test and F test - Analysis of variance: One-way classifications and Two-way classifications:			CO5

Lecture Periods: 45	Tutorial Periods: 15	Practical Periods: -	Total Periods: 60

Text Books

1. Bharat Tulsian & P.C. Tulsian, "Business Mathematics, Logical Reasoning & Statistics", McGraw Hill Education, 1st Edition, 2019.

2. Soma Garg & Arun Julka, "Business Mathematics and Statistics", Taxmann Publications, 1st Edition, 2010.

3. S.C. Gupta, "Fundamentals of Statistics", Himalaya Publishing House, 7th Edition, 2018.

Reference Books

1. R.S. Soni & A.K. Soni, "Business Mathematics", Ane Books, 1st Edition, 2013.

2. Mizrahi and Sullivan, "Mathematics for Business and Social Sciences". Wiley and Sons, 1st Edition, 1979.

3. Gupta. S. P., Gupta. P.K and Manmohan, "Business Statistics and Operations Research", Sultan Chand & Sons, 5th Edition, 2011.

4. Hooda, R. P., "Statistics for Business and Economics", Vikas Publishing House, 5th Edition, 2013.

5. S.P. Gupta, "Business Statistics", Sultan Chand & Sons, 11th Edition, 2019.

Web References

1. https://icmai.in/upload/Students/Syllabus2016/Foundation/Paper-4New-29012021.pdf

2. https://resource.cdn.icai.org/46668bosfnd-p3-cp1.pdf

3. https://statlearning.class.stanford.edu

4. www.mit.edu

5. https://www.tutorialspoint.com/statistics/index.htm

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	3	3	-	2	3	2	1
2	3	2	3	2	1	3	2	1
3	3	2	3	-	2	2	3	1
4	2	-	3	-	3	3	2	2
5	3	2	-	3	2	3	2	1

Correlation Level: 1 - Low, 2 - Medium, 3 – High

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10		5	5	5	75	100

Department	Business Studies	Programme: B.Com (Computer Application)			
Semester	Second	Course Category Code: **IDC** End Semester Exam Type: **TE**			
Course Code	A23BAD202C	Periods / Week	Credit	Maximum Marks	

Course Code	A23BAD202C	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	**LEGAL ASPECTS OF BUSINESS**	3	0	0	3	25	75	100
Common to B.Com. (General), B. Com (A&F), B. Com (CA), B.Com. (CS), BBA (G), BBA (FDB)								
Prerequisite	General interest to acquire knowledge in business aspects.							

Course Objective	To find out the various dimensions of the business transactions entered on behalf of the employer by the employee.
	To Understand The Legal Aspects While Buying And Selling Of Goods.
	To Provide expert knowledge Partnership and limited Liability partnership.
	To Provide knowledge in Companies Act
	To familiarize about the legal about the legal aspects in Insolvency.

Course Outcome	On completion of the course, the students will be able to		BT Mapping (Highest Level)
	CO1	Gained knowledge on laws affecting the operations of business enterprises.	K1
	CO2	Understand the legal framework within the business function.	K2
	CO3	Gained exposure on important commercial laws & Legal implications	K2
	CO4	Be convenient in respect of rules and regulations affecting various managerial functions	K3
	CO5	Acquired knowledge in Insolvency technique with legal procedure.	K3

UNIT-I	CONTRACT LAW	Periods: 08	
Introduction- Definition of Contract- Essentials of Valid Contract- Capacity of Contract – classifications of contract - contract of indemnity – Quasi Contract – contract of bailment– Discharge – Remedies to breach of Contract.			CO1

UNIT-II	THE SALE OF GOODS ACT, 1930 AND NEGOTIABLE INSTRUMENTS	Periods: 09	
Definition of a Contract of Sale - Conditions and Warranties -Passing of Property - Right of Unpaid Seller against the Goods-Remedies for Breach. The Negotiable Instrument Act, 1881- Definition and characteristics -Kinds of negotiable instruments - Promissory Note, Bill of Exchange and Cheques - Holder and Holder in due course - Crossing of Cheques - Bouncing of Cheques.			CO2

UNIT-III	PARTNERSHIP ACT AND LLP	Periods: 10	
The Indian Partnership Act, 1932 Definition of Partnership and its essentials, Rights and Duties of Partners: Types of Partners - Minor as a partner - Doctrine of Implied Authority -Registration of Firms - Dissolution of firms. Limited Liability Partnership Act, 2000 - Incorporation by registration - Relationship of members- members as agents, ex- members, designated members - Cessation of trade by Limited liability partnership, Insolvency and winding up.			CO3

UNIT-IV	COMPANIES ACT 2013	Periods: 08	
Nature and Definition of a Company - Registration and Incorporation - Memorandum of Association - Articles of Association – Prospectus - Kinds of Companies - Directors: Their powers and duties – Meetings - Winding up.			CO4

UNIT-V	INSOLVENCY	Periods: 10	
Introduction-Definition – Object - Procedure –Act of Insolvency – Notice - Insolvency court-Present Petition – Conditions for a creditors Petition & Debtors' Petition- Procedure on Admission of Petition – Dismissal of Petition- Order of Adjudication – Discharge of Insolvent – Application of Discharge – Effect of order of Discharge – Refusal Order – Effect of Refusal – Remedies.			CO5

Lecture Periods: 45	Tutorial Periods:	Practical Periods: -	Total Periods: 45

Text Books

1. Business Law by R.S.N. Pillai & Bagavathi. S. Chand & Co. Ltd., New Delhi.
2. Mercantile law by N.D.Kapoor
3. K.R.Bulchandani, Business Laws for Management, Latest Edition, Himalya Publishing House,Bombay.
4. Business and Corporate Law by Dr. P. C Tulsian, S. Chand Publication.

Reference Books

1. S.S.Gulshan; Mercantile Law. 3rd Edition, Excel Books, New Delhi.
2. Gogna P.P.S "Mercantile Law", S. Chand & Co. Ltd., New Delhi, 1999.
3. Shukla, M.C "A Manual of Mercantile Laws Sultan Chand & Sons, New Delhi
4. Maheshwari, S.N & Maheshwari, S.K "A Manual of Business Laws", Himalaya Publishing House, Bombay
5. Avtar Singh, Introduction to law of Partnership, Eastern Book Company, Lucknow

Web References

1. https://onlinecourses.swayam2.ac.in/cec21_mg02/previewwww.legalindia.in.
2. www.legalserviceindia.com.
3. www.supremecourtofindia.nic.in.
4. www.mca.gov.in.

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10		5	5	5	75	100

Department	Business Studies		Programme: B.Com (Computer Application)				
Semester	Second		Course Category Code: DSC	End Semester Exam Type: TE			
Course Code	A23CPT203C		Periods / Week		Credit	Maximum Marks	
			L	T	P	C	CAM	ESE	TM

Course Code	A23CPT203C	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	FUNDAMENTALS OF INFORMATION TECHNOLOGY	3	0	0	3	25	75	100

Prerequisite	Basics knowledge on Information Technology
Course Objective	To provide an in-depth understanding of Information Technology Concepts.
	To explain purpose and types of Data Resource Management.
	To be familiar with Telecommunications and Computer Networks
	To understand the Electronic Commerce Systems
	To understand the E-governance.

Course Outcome	On completion of the course, the students will be able to		BT Mapping (Highest Level)
	CO1	Demonstrate their conceptual understanding and component of Modern Computer Systems.	K1
	CO2	Appreciate the purpose and types of Data Resource Management.	K2
	CO3	Develop skills and ability to work with Telecommunications and Computer Networks	K2
	CO4	Demonstrate their ability in concepts related to Electronic Commerce Systems.	K3
	CO5	Understand the importance of E-governance	K3

UNIT-I	MODERN COMPUTER SYSTEMS	Periods: 07	
Computer Peripherals, Input, Output and Storage technologies: Voice Recognition and Response Optical Scanning - Video Output - Word Processing - Desktop Publishing - System Software - Operating Systems - Programming Language.			CO1

UNIT-II	DATA RESOURCE MANAGEMENT	Periods: 09	
Introduction to DBMS, Types of DBMS, Application of DBMS, Concept of Data Warehouses and Data Marts, Introduction to Data Centers, Storage types in DBMS.			CO2

UNIT-III	TELECOMMUNICATIONS AND COMPUTER NETWORKS	Periods: 09	
Types of networks, Advantages of Network Environment, Business Uses of Internet, Intranet and Extranet, Web 2.0/3.0/4.0/5.0, Distributed/Cloud/Grid Computing, GSM & CDMA, GPRS, 3G, 4G &5G technologies, VOIP and IPTV.			CO3

UNIT-IV	ELECTRONIC COMMERCE SYSTEMS	Periods: 10	
Introduction to e-Commerce and M-Commerce, Advantages and Disadvantages. Concept of B2B, B2C, C2C. Concept of Internet Banking and Online Shopping, Electronic Payment Systems.			CO4

UNIT-V	E-GOVERNANCE	Periods: 10	
Concept of e-governance, Technologies for e-governance, e- governance as an effective tool to manage the country's citizens and resources, Advantages and Disadvantage of E-governance, E-governance perspective in India.			CO5

Lecture Periods: 45	Tutorial Periods:	Practical Periods: -	Total Periods: 45

Text Books

1. Norton P (2010), Introduction to Computers, Tata McGraw-Hill
2. Potter T (2010), Introduction to Computers, John Wiley & Sons (Asia) Pvt Ltd
3. Morley D & Parker CS (2009), Understanding Computers – Today and Tomorrow, Thompson Press

Reference Books

1. Jawadekar, WS (2009); Management Information System; Tata McGraw Hill
2. O'Brein, JA (2009); Introduction to Information Systems; Tata McGraw Hill
3. P.T. Joseph (2009), E-Commerce; PHI Learning Ltd.

Web References

1. https://crk.umn.edu/academics/math-science-and-technology-department/information-technology-management/online
2. https://www.igi-global.com/journal/information-technology-management/1074
3. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5787626/

* TE – Theory Exam

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	10		5	5	5	75	100

Regulation-2023   II Semester Syllabi   B.Com. (Computer Application)

Department	**BUSINESS STUDIES**	Programme: **B.Com (Computer Application)**		
Semester	**SECOND**	Course Category Code: **DSC**	End Semester Exam Type: **LE**	

Course Code	**A23BFL201C**	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	**SPREADSHEETS LAB**	0	0	4	2	50	50	100

Prerequisite	Basic Spreadsheet Knowledge

Course Objectives	• To acquaint the students with the Financial and Accounting functions in Spreadsheet. • To give hands on experience in preparing Spreadsheet. • To enable students to use financial and accounting functions in Spreadsheet.

Course Outcomes		***On completion of the course, the students will be able to***	BT Mapping (Highest Level)
	CO1	To Understand the basics of Spreadsheet Skills.	**K3**
	CO2	To work with different financial functions.	**K3**
	CO3	To work with analysis tool pack with finance add =-in.	**K3**
	CO4	To perform accounting calculations in Spreadsheet.	**K3**
	CO5	To perform finance calculations in Spreadsheet.	**K3**

EXERCISES

1. Prepare a Simple Monthly Budget Spreadsheet and Visualization
2. Student Performance Analysis
3. Time Value of Money Analysis (Investment Opportunity Analysis)
4. Develop a Loan Amortization Schedule
5. Comprehensive Financial Analysis in Excel
6. Creating an Interactive Financial Dashboard in Excel
7. Prepare Pivot Tables to analyze and summarize financial data.
8. Build a spreadsheet to calculate interest rates and visualize it
9. Perform a comprehensive statistical analysis of financial data
10. Apply macros to automate repetitive tasks in Excel

*LE - Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
1	1	1	-	-	1	2	1	2
2	1	2	1	-	-	2	1	1
3	-	1	1	2	1	2	2	2
4	1	1	-	1	1	3	1	1
5	1	1	1	-	1	2	2	1

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)			End Semester Examination (ESE) Marks	Total Marks
	Model Exam	Record	Attendance		
Marks	30	10	10	50	100

Department	ENGLISH		Programme: B.Com (Computer Application)	
Semester	Second		Course Category Code: SEC	End Semester Exam Type : -

Course Code	A23ENSA02C	L	T	P	C	CAM	ESE	TM
		Periods / Week			Credit	Maximum Marks		
Course Name	SOFT SKILLS	0	0	4	2	100	0	100

Common to B.Com. (General), B. Com (A&F), B. Com (CA), B.Com. (CS), BBA (G), BBA (FDB)	
Prerequisite	Knowledge gained from Journal reading and Newspaper reading

Course Objectives	To train students in Soft skills in order to enable them to be professionally competent	
	To facilitate the students for Goal setting and Goal Achieving skills	
	To enrich the sense of social responsibility and accountability of the students	
	To help the students to train them for Stress Management and Time Management	
	To train the students to work with team environment and Creative thinking	

		On completion of the course, the students will be able to	BT Mapping (Highest Level)
Course Outcomes	CO1	enhance the Soft skills and compete professionally	K3
	CO2	achieve Goal setting and Goal Achieving skills	K3
	CO3	improve their social responsibility and accountability skills	K3
	CO4	enrich Stress Management and Time Management	K3
	CO5	demonstrate the quality of a Team ship and Creative thinking	K3

UNIT-I	POSITIVE ATTITUDE	Periods: 12	
Skills-Personal Skills: Knowing Oneself/Self-Discovery - Confidence Building - Defining Strengths of Attitude - formation of attitudes - psychological factors - the power of positive attitude - the benefits of positive attitude – developing positive attitude - negative attitude – the causes of negative attitude - the consequences of negative attitude - how to change negative attitude			CO1

UNIT-II	GOAL SETTING	Periods: 12	
Introduction - importance of goal setting - goal definition - types of goals - what exactly goal setting - why people don't set goals - how to choose the right goals - SMART GOALS - Career goals - benefits of career goal setting - goal setting tips			CO2

UNIT-III	STRESS AND TIME MANAGEMENT	Periods: 12	
Definition of Stress management - types of stress - causes of stress - stress management and reduction techniques - Definition of Time management - Setting goals, planning – prioritizing - setting deadlines - multi-tasking - practicing self-discipline - overcoming procrastination			CO3

UNIT-IV	TEAMWORK SKILLS	Periods: 12	
Communication as Social Construction - Dynamics of professional Group communication - Group and Team - Team Building Process - Managing conflict and appreciating/respecting differences - Decision making & effective negotiation - Types of teams - Understanding, Identity and nurturing sensitivity (in terms of gender, orientation, language)			CO4

UNIT-V	PROBLEM SOLVING THROUGH CREATIVE THINKING	Periods: 12	
Thinking Creatively - Improving Perceptions - Creative thinking as an essential skill - Techniques of creative thinking (such as brainstorming, lateral thinking, mind mapping, rich pictures, role play) - Practical problem solving through creative thinking - Case Study			CO5

Lecture Periods: -	Tutorial Periods: -	Practical Periods: 60	Total Periods: 60

Text Books

1. Sabina Pillai, Agna Fernandez, Soft Skills and Employability Skills, Cambridge University Press, 2017.
2. Jeff Butterfield, Soft Skills for Everyone, Cengage India Private Limited, 2nd Edition, 2020.
3. Alex K, Soft Skills, S Chand & Company, 1st Edition, 2014.

Reference Books

1. Barun Mitra, *Personality Development and Soft Skills 2*, Oxford University Press, 2016.

2. Prashant Sharma, *Soft Skills 3rd Edition: Personality Development for Life Success*, BPB Publications, 2021.
3. Ghosh, B.N, *Managing Soft Skills for Personality Development*, Tata McGraw Education Publication, 1st Edition, 2012.
4. R.S.Aggarwal. *A Modern Approach to Non-Verbal*. S Chand Publication. 2017.
5. K. K. Sinha, *Business Communication*, Galgotia Publishing, 4th Edition, 2011.

Web References

1. https://www.mindtools.com/a5ykiuq/personal-goal-setting
2. https://www.healthlinkbc.ca/health-topics/stress-management-managing-your-time
3. https://www.herzing.edu/blog/7-important-teamwork-skills-you-need-school-and-your-career
4. https://online.hbs.edu/blog/post/what-is-creative-problem-solving
5. https://www.lucidchart.com/blog/7-steps-to-creating-better-goals

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3
1	1	3	3	1	1	1	3	3
2	3	3	3	1	1	1	3	2
3	3	3	3	1	2	1	3	3
4	3	3	3	1	2	1	3	1
5	3	3	3	1	3	1	3	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment	Attendance		
Marks	80	-		10	10	-	100

Regulation-2023   II Semester Syllabi   B.Com. (Computer Application)

Department	Business Studies	Programme: **B.Com (Computer Application)**					
Semester	**SECOND**	Course Category Code: **AEC**			End Semester Exam Type: **-**		
Course Code	A23AETA01C	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	**PUBLIC ADMINISTRATION**	**1**	**0**	**0**	**1**	**100**	**-**	**100**
Common to B.Com. (General), B. Com (A&F), B. Com (CA), B.Com. (CS), BBA (G), BBA (FDB)								
Prerequisite								
Course Objective	To introduce the elements of public administration.							
	To help the students obtain a suitable conceptual perspective of public administration.							
	To introduce them the growth of institution devices to meet the need of changing times.							
	To instill and emphasize the need of ethical seriousness in contemporary Indian Public Administration.							

Course Outcome	**On completion of the course, the students will be able to**		BT Mapping (Highest Level)
	CO1	Understand the concepts and evolution of Public Administration.	**K1**
	CO2	Be aware of what is happening in the Public Administration in the country.	**K2**
	CO3	Explain the Territory Administration in the State and the Centre.	**K2**
	CO4	Appreciate emerging issues in Indian Public Administration.	**K3**

UNIT-I	**INTRODUCTION TO PUBLIC ADMINISTRATION**	Periods: 07	
Meaning, nature and Scope of Public Administration and its relationship with other disciplines- Evolution of Public Administration as a discipline Woodrow Wilson, Henry Fayol, Max Weber and others - Evolution of Public Administration in India - Arthashastra - Colonial Administration upto 1947.			CO1

UNIT-II	**PUBLIC ADMINISTRATION IN INDIA**	Periods: 08	
Enactment of Indian Constitution - Union Government - The Cabinet - Central Secretariat - All India Services - Training of Civil Servants UPSC Niti Ayog Statutory Bodies: The Central Vigilance Commission - CBI - National Human Rights Commission - National Women's Commission-CAG.			CO2

UNIT-III	**STATE AND UNION TERRITORY ADMINISTRATION**	Periods: 08	
Differential Administrative systems in Union Territories compared to States Organization of Secretariat: -Position of Chief Secretary, Functions and Structure of Departments, Directorates - Ministry of Home Affairs supervision of Union Territory Administration - Position of Lt. Governor in UT - Government of Union Territories Act 1963 - Changing trend in UT Administration in Puducherry and Andaman and Nicobar Island.			CO3

UNIT-IV	**EMERGING ISSUES IN INDIAN PUBLIC ADMINISTRATION**	Periods: 07	
Changing Role of District Collector Civil Servants Politicians relationship Citizens Charter - Public Grievance Redressal mechanisms The RTI Act 2005-Social Auditing and Decentralization - Public Private partnership.			CO4

Lecture Periods: 30	Tutorial Periods:	Practical Periods: -	Total Periods: 30

Text Books

1. Avasthi and Maheswari, "Public Administration", Lakshmi Narain Agarwal, 1st Edition, 2016.
2. Ramesh K.Arora, "Indian Public Administration: Institutions and Issues", New Age International Publishers, 3rd Edition, 2012.
3. Rumki Basu, "Public Administration: Concept and Theories", Sterling, 1st Edition, 2013.

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	CAT 1	**CAT 2**	**Model Exam**	**Assignment**	**Attendance**		
Marks	35	35	0	20	10	-	100

Department	**Business Studies**		Programme: **B.Com (Computer Application)**			
Semester	**Second**		Course Category Code: **EA**	End Semester Exam Type: -		
Course Code	**A23EAS201C**		Periods / Week		Credit	Maximum Marks
			L	T	P	C	CAM	ESE	TM
Course Name	**NATIONAL SERVICE SCHEME [NSS]**		0	0	2	0	100	0	100

| Common to B.Com. (General), B. Com (A&F), B. Com (CA), B.Com. (CS), BBA (G), BBA (FDB) | |

Course Objectives	To introduce about various activities carried out by national service scheme.
	To gain life skills through community service.
	To gain awareness about various service activities performed in higher educational institutions.
	To give exposure about the use of technology to uplift the living standards of rural community.
	To induce the feeling of oneness through harmony of self and society.

	On completion of the course, the students will be able to		BT Mapping (Highest Level)
Course Outcomes	CO1	Recognize the importance of national service in community development.	**K2**
	CO2	Convert existing skills into socially relevant life skills.	**K3**
	CO3	Differentiate various schemes provided by the government for the social development	**K3**
	CO4	Identify the relevant technology to solve the problems of rural community.	**K3**
	CO5	Associate the importance harmony of nation with long term development	**K3**

UNIT-I	**INTRODUCTION TO NATIONAL SERVICE SCHEME**	Periods: 06	
History and objectives, NSS symbol, Regular activities, Special camping activities, Village adaptation programme, Days of National and International Importance, Hierarchy of NSS unit in college. Social survey method and Data Analysis. NSS awards and recognition. Importance of Awareness about Environment, Health, Safety, Gender issues, Government schemes for social development and inclusion policy etc.			CO1

UNIT-II	**LIFE SKILLS AND SERVICE LEARNING OF VOLUNTEER**	Periods: 06	
Communication and rapport building, problem solving, critical thinking, effective communication skills, decision making, creative thinking, interpersonal relationship skills, self- awareness building skills, empathy, coping with stress and coping with emotions. Understanding the concept and application of core skills in social work practice, Team work, Leadership, Event organizing, resource planning and management, time management, gender equality, understanding rural community and channelizing the power of youth.			CO2

UNIT-III	**EXTENSION ACTIVITIES FOR HIGHER EDUCATIONAL INSTITUTIONS**	Periods: 06	
Objective and functions of Red Ribbon Club, Swatchh Bharath Abhiyan, Unnat Bharat Abhiyan, Jal Shakthi Abhiyan, Road Safety Club, Environmental club and Electoral literacy club.			CO3

UNIT-IV	**USE OF TECHNOLOGY IN SOLVING ISSUES OF RURAL INDIA**	Periods: 06	
Understanding community issues, economic development through technological development. Selection of appropriate technology, Understanding issues in agriculture, fishing, artisans, domestic animals, health and environment.			CO4

UNIT-V	**NATIONAL INTEGRATION AND COMMUNAL HARMONY**	Periods: 06	
The roleof Youth organizations in national integration, NGOs, Diversity of Indian Nation, Importance of National integration communal harmony for the development of nation,Indian Constitution, Building Ethical human Relationships, Universal Human Values, Harmony of self and Harmony of nation.			CO5

Lecture Periods: -	Tutorial Periods: -	Practical Periods: 30	Total Periods: 30

Text Books

1. Joseph, Siby K and Mahodaya Bharat (Ed.), (2007), Essays on Conflict Resolution, Institute of Gandhian Studies, Wardha
2. Barman Prateeti and Goswami Triveni (Ed.), (2009), Document on Peace Education, Akansha Publishing House, New Delhi
3. Sharma Anand, (2007), Gandhian Way, Academic Foundation, New Delhi Myers G.Davi (2007). Social Psychology. New

Delhi: Tata Mc.Graw Hill.

4. Taylor E.Shelly et.al (2006), Social Psychology (12th Edn.), New Delhi, Pearson Prentice Hall Singh.

Reference Books

1. Madhu (2003), Understanding Life Skills, background paper prepared for education for all: The leap to equality, Government of India report, New Delhi.

2. Sandhan (2005), Life Skilss Education, Training Module, Society for education and development, Jaipur. Radakrishnan Nair and SunithaRajan (2012), Life Skill Education: Evidences form the field, RGNIYD publication, Sriperumbudur

3. National Service Scheme Manual (Revised) , Government of India, Ministry of Youth Affairs and Sports, New Delhi.

4. National Service Scheme in India: A Case study of Karnataka, M. B. Dishad, Trust Publications, 2001

Web References

1. http://www.thebetterindia.com/140/national-service-scheme-nss/
2. http://en.wikipedia.org/wiki/national-service-scheme 19=http://nss.nic.in/adminstruct
3. http://nss.nic.in/propexpan
4. http://nss.nic. in
5. http://socialworknss.org/about.html

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)					Program Specific Outcomes (PSOs)		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**
1	2	1	2	3	1	2	3	2
2	3	3	2	3	2	1	2	2
3	2	3	3	2	1	3	1	3
4	3	2	2	2	2	2	2	3
5	3	3	3	2	2	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 - High

Evaluation Method

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESE) Marks	Total Marks
	Activity	**Self-Initiation**	**Record**	**Assignment**	**Attendance**		
Marks	30	10	20	20	20	-	100

Regulation-2023   II Semester Syllabi   B.Com. (Computer Application)