

A.V.V.M. Sri Pushpam College (Autonomous), Poondi – 613 503
PG & Research Department of Commerce
B.Com., Programme in Computer Application.
OUTCOME BASED EDUCATION - CHOICE BASED CREDIT SYSTEM
SCHEME OF PROGRAMME AND SYLLABUS
(For the candidates admitted from 2023-2024 onwards)

Vision and Mission of the college

Vision

To provide quality academic programme and value oriented higher education to the rural community, equip them to encounter current regional, national and global demands upholding moral standards and intellectual competency.

Mission

- To provide conducive environment for quality teaching-learning process and innovative research.
- To bestow substantial educational experience that is intellectually, socially, and personally transformative.
- To strive to bring out the latent potentiality and core competency of the learners
- To foster the culture of research-based learning, independent academic inquiry by encouraging the students to involve in research activities ranging from hands on training, student projects, publications etc.,
- To nurture essential skills, competent minds and compassionate hearts.
- To impart a practical, demanding and overall development of the personality generated by love, consideration and care for the society.
- To serve the society by extending needful outreach programmes to the rural populace.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Make the learners realise the transformative power of education.
- Acquire profound disciplinary, applied, integrative knowledge and intellectual competency and domain specific and generic skills.
- Pursue lifelong learning and generate innovative solutions for the problems at individual and social level.
- Create a collaborative and inclusive environment, and serve the betterment of the society with moral integrity.
- Motivate to become a committed professional with necessary ethics as a leader as well as a team player.

PROGRAMME OUTCOMES for B.Com. Computer Application Programme

- PO1: Disciplinary knowledge:** Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study.
- PO2: Critical thinking:** Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development.
- PO3: Problem solving: Capacity** to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real life situations.
- PO4: Analytical reasoning:** Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints.
- PO5: Cooperation/Team work:** Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team
- PO6: Scientific reasoning:** Ability to analyse, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.
- PO7: Information/digital literacy:** Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.
- PO8: Knowledge Exposure** Obtain the practical knowledge exposure on Web Technology Lab, Java programming, Python Programming UML lab , Tally and R language.

PROGRAMME SPECIFIC OUTCOMES B.Com. Computer Application Programme

- PSO1:** To make the students acquainted with technical and practical concepts for understanding the real business problems using different programming languages.
- PSO2:** To develop subject skill within various discipline of commerce, business, accounting, economics, finance, auditing and marketing with soft skills in Tally and ERP, E-commerce
- PSO3:** To train the students on practical business applications using high level programming languages in real world.
- PSO4:** To make the students aware about the useful applications of different computer languages that solves real world problems.
- PSO5:** To contribute to the development of the society by collaborating with stakeholders for mutual benefit .

Curriculum structure for UG Programme (OBE-CBCS) – 2023

	Nature of Course	Total No. of Courses	Total marks	Total credits	Total credits for the Programme
Part – I	Language (Tamil / Hindi)	04	400	12	123 (CGPA)
Part – II	English	04	400	12	
Part – III	Core Courses	14	1400	65	
	Core Industry Module (CIM)	01	100	04	
	Elective Courses(Generic) - Allied	06	600	18	
	Elective Courses (Discipline Centric)	04	400	12	
Part – IV	Skill Enhancement Course - Non Major Elective (NME)	01	100	02	17 (Non CGPA)
	Skill Enhancement Course – Discipline Specific(SEC)	02	200	04	
	Professional Competency Skill Enhancement Course(PCSE)	01	100	02	
	Gender Studies(GS)	01	100	02	
	Environmental Studies (EVS)	01	100	02	
	Value Education (VE)	01	100	02	
	Internship / Industrial Activity	--	--	02	
Part – V	Extension Activity (EA)	--	--	01	
	Total	40	4000	140	140
	Value Added Course (VAC)	01	100	--	--
	Extra Credit Course – MOOC / Field visit / Hands on Training	--	--	Max: 4	--

***Part I, II, and Part III components will be separately taken into account for CGPA calculation and classification for the under graduate programme and the other components. IV, V has to be completed during the duration of the programme as per the norms, to be eligible for obtaining the UG degree.**

S. No.	Semester	Part	Category	Course Code	Title of the Course	Maximum Marks			Minimum Marks			Hours/Week	Credits
						CIA	EE	Total	CIA	EE	Total		
19.	IV	I	Language	23U4CCAT4/H4	Tamil – IV / Hindi – IV	25	75	100	10	30	40	6	3
20.		II	Language	23U4CCAE4	English – IV	25	75	100	10	30	40	6	3
21.		III	Core - CIM	23U4CCACIM	Corporate Accounting – II	25	75	100	10	30	40	5	4
22.			Core	23U4CCAC7	Java Programming Lab	25	75	100	10	30	40	5	4
23.			Allied	23U4CCAA5	Java Programming (NS)	25	75	100	10	30	40	3	3
24.			Allied	23U4CCAA6	Business Mathematics and Statistics	25	75	100	10	30	40	5	3
25.		IV	SEC	23U4CCASEC1	Digital Literacy in	25	75	100	10	30	40	2	2
26.			GS	23U4CCAGS	Gender Studies	-	100	100	-	-	40	SS	2
			Extra Credit	Field visit / Hands on Training		-	-	-	-	-	-	-	-
27.	V	III	Core	23U5CCAC8	Cost Accounting – I	25	75	100	10	30	40	5	5
28.			Core	23U5CCAC9	Banking Law and Practice	25	75	100	10	30	40	5	5
29.			Core	23U5CCAC10	Income Tax Theory, Law and Practice – I	25	75	100	10	30	40	5	5
30.			Elective	23U5CCAEL1A/ 23U5CCAEL1B	Python programming Lab/ UML Lab	25	75	100	10	30	40	4	3
31.			Elective	23U5CCAEL2A/ 23U5CCAEL2B	Mobile Computing/ Management Information Systems	25	75	100	10	30	40	4	3
32.			NME	23U5CCANME	Fundamentals of Banking	25	75	100	10	30	40	2	2
33.			Core	23U5CCA11PR	Project with Viva Voce	25	75	100	10	30	40	5	4
			IV	Internship / Industrial Training (Carried out in II Year summer vacation – 30 hours)									-
34.	VI	III	Core	23U6CCAC12	Cost Accounting - II	25	75	100	10	30	40	6	5
35.			Core	23U6CCAC13	Management Accounting	25	75	100	10	30	40	5	5
36.			Core	23U6CCAC14	Income Tax Theory, Law and Practice – II	25	75	100	10	30	40	5	5
37.			Elective	23U6CCAEL3A/ 23U6CCAEL3B	Financial Accounting Package- Tally Prime Lab/ R – Language – Lab	25	75	100	10	30	40	5	3
38.			Elective	23U6CCAEL4A/ 23U6CCAEL4B	Cryptography and network security/ Introduction to ERP	25	75	100	10	30	40	5	3
39.		IV	SEC	23U6CCASEC2	Auditing and Corporate Governance	25	75	100	10	30	40	2	2
40.			PCSE	23U6CCAPCSE	Comprehensive Knowledge	-	100	100	-	40	40	2	2
			V	Extension Activities		Extension Activities (Outside College hours)							-
			Value Add Course		Event Management							-	SS
					Total							180	140

Internship/ Industrial Activity:

Students must complete in-plant training in any industry or organization where a programme-related procedure is being used, and this training must be done during the summer vacation at the end of II Year. A minimum of 30 hours should be spent on training. Students must submit a report on their training together with a certificate from the relevant industry or organization authority.

MOOC:

Massive Open Online Course (MOOC) is offered in the II and III Semester as an Extra Credit Course. Students can avail any one or more of the courses available in MOOC to equip their skill and knowledge themselves. To receive the extra credit, students must provide their MOOC course completion certificate at the end of the second year.

Field visit / Hands on Training:

In order to achieve experiential learning, these programmes with a minimum of 15 hours of contact time are offered as Extra Credit Courses in the III & IV Semester.

Evaluation of visit report will be held at the end of IV Semester.

Components of Evaluation:

Internal Marks : 25

External Marks : 75

Total : 100

Skill Enhancement course (SEC) offered by the Commerce Department:

- 1. Digital Literacy in Computer Application ADVANCED EXCEL LAB**
- 2. Auditing and Corporate Governance**

Non – Major Elective (NME) Course offered by the Commerce Department:

Fundamentals of Banking

**A.VEERIYA VANDAYAR MEMORIAL SRI PUSHPAM COLLEGE (AUTONOMOUS),POONDI,
THANJAVUR DIST.
(NAAC Re-Accredited with A grade in 4th cycle)
Question Pattern for UG Programme
(For the students admitted from 2023 – 2024onwards)**

Bloom's Taxonomy based Assessment pattern

Bloom's category	Section	Choice	Marks	Total
K1 to K6	A	Compulsory	10 x 2 = 20	75
	B	Either / Or	5 x 5 = 25	
	C	3 out of 5	3 x 10 = 30	

OBE QUESTION PATTERN

Total Marks: 75

SECTION – A (10 x 2 = 20)			
Answer All the questions (Two Questions from each units)			
CO	K Level	Q. No.	Questions
		1.	
		2.	
		3.	
		4.	
		5.	
		6.	
		7.	
		8.	
		9.	
		10.	
SECTION – B (5 x 5 = 25)			
Answer All the questions (One Question from each unit)			
		11(a).	
		(OR)	
		11(b).	
		12(a).	
		(OR)	
		12(b).	
		13(a).	
		(OR)	
		13(b).	
		14(a).	
		(OR)	
		14(b).	
		15(a).	
		(OR)	
		15(b).	
SECTION – C (3 x 10 = 30)			
Answer ANY THREE questions (One Question from each unit)			
		16.	
		17.	
		18.	
		19.	
		20.	

Bloom's Taxonomy Action Verbs

K1 Remember	K2 Understand	K3 Apply	K4 Analyze	K5 Evaluate	K6 Create
<ul style="list-style-type: none"> • Choose • Copy • Define • Describe • Discover • Duplicate • Enumerate • Examine • Find • How • Identify • Label • List • Locate • Match • Memorize • Name • Omit • Recall • Recognize • Relate • Select • Show • Spell • State • Tabulate • Tell • What • When • Where • Which • Who • Why 	<ul style="list-style-type: none"> • Associate • Classify • Compare • Contrast • Convert • Demonstrate • Describe • Differentiate • Discuss • Distinguish • Estimate • Explain • Express • Extend • Identify • Illustrate • Indicate • Infer • Interpret • Outline • Paraphrase • Predict • Relate • Rephrase • Show • Summarize • Translate 	<ul style="list-style-type: none"> • Apply • Build • Calculate • Change • Choose • Complete • Construct • Demonstrate • Develop • Discover • Dramatize • Experiment • Identify • Interview • Interpret • Illustrate • Makeuseof • Manipulate • Model • Modify • Organize • Paint • Plan • Prepare • Produce • Relate • Select • Show • Sketch • Solve • Use • Utilize 	<ul style="list-style-type: none"> • Advertise • Appraise • Analyze • Assume • Break down • Categorize • Classify • Compare • Conclusion • Connect • Contrast • Differentiate • Discover • Dissect • Distinguish • Discriminate • Divide • Examine • Explain • Function • Inference • Inspect • List • Motive • Order • Point out • Prioritize • Relationships • Select • Separate • Simplify • Subdivide • Survey • Takepartin • Testfor • Theme 	<ul style="list-style-type: none"> • Agree • Appraise • Assess • Award • Choose • Compare • Conclude • Convince • Criteria • Criticize • Decide • Deduct • Defend • Determine • Discriminate • Estimate • Evaluate • Explain • Find errors • Grade • Importance • Influence • Interpret • Judge • Justify • Mark • Measure • Order • Predict • Prioritize • Prove • Rank • Rate • Recommend • Reframe • Select • Summarize • Support • Value 	<ul style="list-style-type: none"> • Adapt • Build • Change • Choose • Combine • Compile • Compose • Construct • Create • Design • Develop • Discuss • Elaborate • Estimate • Formulate • Generalize • Hypothesize • Imagine • Improve • Integrate • Invent • Make up • Maximize • Minimize • Modify • Originate • Organize • Plan • Predict • Prepare • Produce • Propose • Rearrange • Rewrite • Role-play • Solution • Solve • Substitute • Write

B.Com., (Computer Applications)

Semester	Subject Code	Title Of The Paper	Hours Of Teaching/ Week	No. of Credits
I	23U1CCAT1	வயாதுத் தமிழ் - 1	6	3

Nature of the Course

1. Employability Oriented வேலை வாய்ப்புச் சார்ந்தது	✓	7. Addresses Professional Ethics தொழில் நெறிமுறைகளை நிறைவு செய்தல்	
2. Entrepreneurship Oriented தொழில் முனைவு சார்ந்தது		8. Relevant To Local Need உள்ளூர் தேவைகளோடு தொடர்புடையது	✓
3. Skill Development Oriented திறன்மேம்பாடு சார்ந்தது	✓	9. Relevant To Regional Need மண்டல அளவிலான தேவைகளோடு தொடர்புடையது	
4. Addresses Gender Sensitization பாலின உணர்திறன் பூர்த்தி செய்தல்		10. Relevant To National Need தேசிய அளவிலான தேவைகளோடு தொடர்புடையது	
5. Addresses Environment and Sustainability சுற்றுச் சூழல் மற்றும் நிலைத் தன்மை நிறைவு செய்தல்		11. Relevant To Global Development Need உலக அளவிலான தேவைகளோடு தொடர்புடையது	
6. Addresses Human Values மனித மதிப்புகளை நிறைவு செய்தல்	✓		

Course Objectives

1. முதலாமாண்டுப் பட்ட வகுப்பு மாணவர்களுக்குத் தமிழ் மொழி இலக்கியங்களை அறிமுகம் செய்தல்
2. தற்கால இலக்கியப் போக்குகளையும் இலக்கணங்களையும் மாணவர் அறியுமாறு செய்தல்.
3. மாணவர்களுக்குத் தமிழ் படைப்பாற்றலைத் தூண்டுதல்.
4. தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்ப கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்.

Unit	Details	Hours
Unit-I	மரபுக் கவிதை 1. பெ. சுந்தரனார் - தமிழ்த் தெய்வ வணக்கம் 2. பாரதிதாசன் - சிறுத்தையே வெளியில் வா 3. கவிமணி - புத்தரும் சிறுவனும் 4. முடியரசன் - மொழி உணர்ச்சி 5. கண்ணதாசன் - ஆட்டனத்தி ஆதிமந்தி — ஆதிமந்தி புலம்பல் 6. சுரதா - துறைமுகம் தொகுப்பிலிருந்து ஏதேனும் ஒரு கவிதை 7. தமிழ் ஒளி - கடல்	18 Hrs

B.Com., (Computer Applications)

Unit-II	புதுக்கவிதை 1. அப்துல் ரகுமான் - வீட்டுக்கொரு மரம் வளர்ப்போம் 2. ஈரோடு தமிழன்பன் - சென்றியூ கவிதைகள் (ஏதேனும் ஐந்து கவிதைகள்) 3. வைரமுத்து - பிற்சேர்க்கை 4. மு.மேத்தா- வாழைமரம் 5. அறிவுமதி -வள்ளுவம் பத்து 6. நா முத்துக்குமார் - ஆனந்த யாழை மீட்டுகிறாய் 7. சுகிர்தராணி - சபிக்கப்பட்ட முத்தம் 8. இளம்பிறை -நீ எழுத மறுக்கும் எனது அழகு	18 Hrs
Unit-III	சிறுகதைகள் 1. வாய்ச் சொற்கள் - ஜெயகாந்தன் (மாலை மயக்கம் தொகுப்பு) 2. கடிதம் - புதுமைப்பித்தன் 3. முள்முடி - தி ஜானகிராமன் 4. சிதறல்கள் - விழி.பா.இதயவேந்தன் 5. காகித உறவு - சு.சமுத்திரம் 6. வீட்டின் மூலையில் சமையல் அறை - அம்பை 7. (மொழிபெயர்ப்புக் கதை) ஆண்டன் செக்காவ் - நாயக்காரர் சீமாட்டி, சந்தியா	18 Hrs
Unit-IV	1. பாடம் சார்ந்த இலக்கிய வரலாறு 2. இராகபாவம் — கேட்டிவி	18 Hrs
Unit-V	மொழித்திறன் போட்டி தேர்வு 1.பொருள் பொதிந்த சொற்றொடர் அமைத்தல் 2. ஓர் எழுத்து ஒரு மொழி 3. வேற்றுமை உருபுகள் 4. திணை, பால், எண், இடம் 5. கலைச்சொல்லாக்கம், மொழிபெயர்ப்பு. (குறிப்பு: அலகு 4, 5 ஆகியன போட்டித் தேர்வு நோக்கில் நடத்தப்பட வேண்டும்).	18 Hrs

CO Number	CO Statement	Cognitive Level
CO1	பாரதியார் காலந்தொட்டு தற்காலப் புதுக்கவிதைகள் வரை கவிதை இலக்கியம் அறிமுகப்படுத்தப்படுவதால் படைப்பாற்றல் திறன் பெறுதல்.	K2
CO2	புதுக்கவிதை வரலாற்றினை அறிந்து கொள்வர்.	K3
CO3	இக்கால இலக்கிய வகையினைக் கற்பதன் மூலம் படைப்பாக்கத் திறனைப் பெறுவர்.	K4
CO4	மொழியறிவோடு சிந்தனைத்திறன் அதிகரித்தல்.	K3
CO5	தமிழ்மொழியைப் பிழையின்றி எழுதவும், புதிய கலைச் சொற்களை உருவாக்கவும் அறிந்து கொள்ளுதல்.	K5

Text Books

1. தமிழ் இலக்கிய வரலாறு -செம்பதிப்பு- பெ.சுபாஷ் சந்திரபோஸ்

B.Com., (Computer Applications)

பார்வை நூல்கள்.

1. தமிழ் இலக்கிய வரலாறு - சிற்சி.பாலசுப்பிரமணியன்
2. புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு - தமிழண்ணல்
3. வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு - எஃப்.பாக்கியமேரி

Web Resource

Related Online Contents (MOOC, SWAYAM, NPTEL, Websites etc.)

1. Tamil Heritage Foundation- www.tamilheritage.org <<http://www.tamilheritage.org>> Tamil virtual University Library-
2. [www.tamilvu.org/ library](http://www.tamilvu.org/library)
3. <http://www.virtualvu.org/library> Project Madurai - www.projectmadurai.org.
4. Chennai Library- www.chennai.library.com <<http://www.chennai.library.com>>.
5. Tamil Universal Digital Library- www.ulib.prg <<http://www.ulib.prg>>.
6. Tamil E-Books Downloads- [tamale books downloads. blogspot.com](http://tamalebooksdownloads.blogspot.com)
7. Tamil Books on line- [books. tamil cube.com](http://books.tamilcube.com)
8. Catalogue of the Tamil books in the Library of British Congress archive.org
9. Tamil novels on line - books.tamilcube.com

பொதுத்தமிழ் —1												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CLO1	3	2	3	3	3	2	2	2	3	2	3	2
CLO2	3	3	2	2	2	3	2	3	3	2	2	2
CLO3	3	2	3	3	2	2	2	3	2	3	3	2
CLO4	2	3	3	2	2	2	3	2	3	2	3	3
CLO5	3	3	2	2	2	3	3	2	2	2	3	3

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
I	23U1CCA1	PART - II GENERAL ENGLISH	6	3

Learning Objectives		
LO1	To enable earners to acquire self awareness and positive thinking required in Various life situations.	
LO2	To help the macquire the attribute of empathy	
LO3	To assist them in acquiring creative and critical thinking abilities	
LO4	To enable them to learn the basic grammar	
LO5	To assist the min developing LSRW skills	
Unit No.	Unit Title &Text	No.of Periods for the Unit
I	SELF-AWARENESS(WHO) & POSITIVE THINKING (UNICEF) Life Story Chapter 1 from Malala Yousafzai, I am Malala An Autobiography or The Story of My Experiments with Truth (Chapters 1, 2 & 3) M.K.Gandhi Poem Where the Mind is Without Fear–Gitanjali 35– Rabindranath Tagore Love Cycle– Chinua Achebe	20
II	EMPATHY Poem Nine Gold Medals– David Roth Alice Fellor poverty–William Words worth Short Story The School for Sympathy– E.V. Lucas Barn Burning – William Faulkner	20
III	CRITICAL & CREATIVE THINKING Poem The Things That Haven't Been Done Before– Edgar Guest Stopping by the Woods on a Snowy Evening– Robert Frost Readers Theatre The Magic Brocade – A Tale of China Stories on Stage–Aaron Shepard (Three Sideway Stories from Wayside School” by Louis Sachar)	20
IV	Reflective Thinking The Running Rivulets of man The Lady in the Silver Coat Mr.Applebaum at Play The Feigning Brawl of an Imposter Thy Life is my Lesson	15
V	Communication Skill Part of Speech Articles Noun Pronoun Verb Adverb Adjective Preposition	15

B.Com., (Computer Applications)

Course Outcomes		
Course Outcomes	On completion of this course, students will:	
CO1	Acquire self awareness and positive thinking required in various life situations	PO1,PO7
CO2	Acquire the attribute of empathy.	PO1,PO2,PO10
CO3	Acquire creative and critical thinking abilities.	PO4,PO6,PO9
CO4	Learn basic grammar	PO4,PO5,PO6
CO5	Development and integrate the use of four language skills i.e., listening, speaking, reading and writing.	PO3,PO8

Textbooks (Latest Editions)	
1.	Malala Yousafzai. Iam Malala, Little, Brown and Company, 2013.
2.	M.K.Gandhi. An Autobiography or The Story of My Experiments with Truth (Chapter – I), Rupa Publications, 2011.
3.	Rabindranath Tagore. "Gitanjali 35" from Gitanjali (Song Offerings): A Collection of Prose Translations Made by the Author from the Original Bengali. MacMillan, 1913.
4.	N.Krishnasamy. Modern English: A Book of Grammar, Usage and Composition Macmillan, 1975.
5.	Aaron Shepard. Stories on Stage, Shepard Publications, 2017.
6.	J.C.Nesfield. English Grammar Composition and Usage, Macmillan, 2019.
7.	Sri.KTV. Melodious Harmony, New Century Book House. 2022

Web Resources	
1	Malala Yousafzai. Iam Malala (Chapter 1) https://archive.org/details/i-am-malala
2	M.K.Gandhi. An Auto biography or The Story of My Experiments with Truth (Chapter-1)- Rupa Publication, 2011 https://www.indiastudychannel.com/resources/146521-Book-Review-An-Autobiography-or-The-story-of-my-experiments-with-Truth.aspx
3	Rabindranath Tagore. "Gitanjali 35" from Gitanjali (Song Offerings) https://www.poetryfoundation.org/poems/45668/gitanjali-35
4	Aaron Shepard. Stories on Stage, Shepard Publications, 2017 https://amzn.eu/d/9rVzINv
5	JCNesfield. Manual of English Grammar and Composition. https://archive.org/details/in.ernet.dli.2015.44179

B.Com., (Computer Applications)

Mapping with Programme Outcomes:-

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	2	3	2
CO2	2	3	3	3	2	3	3	2	2	2
CO3	3	3	3	2	3	3	3	2	3	2
CO4	3	3	3	3	3	3	3	2	2	2
CO5	3	2	3	3	3	3	3	2	2	3

Mapping with Programme Specific Outcomes:-

CO /PO	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3
CO2	3	3	3	3
CO3	3	3	3	3
CO4	3	3	3	3
CO5	3	3	3	3
Weight age	15	15	15	15
Weighted percentage of Course Contribution to POS	3.0	3.0	3.0	3.0

3– Strong, 2 –Medium, 1-Low

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
I	23U1CCAC1	Financial Accounting - I	5	5

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need				Addresses Human Values	

Course Objectives

The main objectives of this course are:

To understand the basic accounting concepts and standards.
To know the basis for calculating business profits.
To familiarize with the accounting treatment of depreciation.
To learn the methods of calculating profit for single entry system.
To gain knowledge on the accounting treatment of insurance claims.

SYLLABUS

I	Fundamentals of Financial Accounting Financial Accounting – Meaning, Definition, Objectives, Basic Accounting Concepts and Conventions - Journal, Ledger Accounts– Subsidiary Books — Trial Balance - Classification of Errors – Rectification of Errors – Preparation of Suspense Account – Need and Preparation - Bank Reconciliation Statement.	15
II	Final Accounts Final Accounts of Sole Trading Concern- Capital and Revenue Expenditure and Receipts – Preparation of Trading, Profit and Loss Account and Balance Sheet with Adjustments.	15
III	Depreciation and Bills of Exchange Depreciation - Meaning – Objectives – Accounting Treatments - Types - Straight Line Method – Diminishing Balance method – Conversion method. Annuity Method – Depreciation Fund Method – Insurance Policy Method – Revaluation Method – Depletion Method – Sum of Digits Method – Machine Hour Rate Method. Bills of Exchange – Definition – Specimens – Discounting of Bills – Endorsement of Bill – Collection – Noting – Renewal – Retirement of Bill under rebate – Insolvency of Acceptor – Accommodation.	15
IV	Accounting from Incomplete Records Incomplete Records -Meaning and Features - Limitations - Difference between Incomplete Records and Double Entry System - Methods of Calculation of Profit - Statement of Affairs Method – Preparation of final statements by Conversion method.	15

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	Average Due Date and Account Current.	
V	Royalty and Insurance of Claims Meaning – Minimum Rent – Short Working – Recoupment of Short Working – Lessor and Lessee – Sublease – Accounting Treatment. Insurance Claims –Calculation of Claim amount-Average clause (Loss of Stock only)	15
TOTAL		75
THEORY 20% & PROBLEM 80%		

Textbooks	
	S. P. Jain and K. L. Narang Financial Accounting- I, Kalyani Publishers, New Delhi.
	S.N. Maheswari, Financial Accounting, Vikas Publications, Noida.
	ShuklaGrewal and Gupta, “Advanced Accounts”, volume 1, S.Chand and Sons, New Delhi.
	Radhaswamy and R.L. Gupta: Advanced Accounting, Sultan Chand, New Delhi.
	R.L.Gupta and V.K.Gupta, “Financial Accounting”, Sultan Chand, New Delhi.
Reference Books	
	Dr.Arulanandan and Raman: Advanced Accountancy, Himalaya Publications, Mumbai.
	Tulsian , Advanced Accounting, Tata McGraw Hills, Noida.
	Charumathi and Vinayagam, Financial Accounting, S.Chand and Sons, New Delhi.
	Goyal and Tiwari, Financial Accounting, Taxmann Publications, New Delhi.
	Robert N Anthony, David Hawkins, Kenneth A. Merchant, Accounting: Text and Cases. McGraw-Hill Education, Noida.
Web Resources	
	https://www.slideshare.net/mcsharma1/accounting-for-depreciation-1
	https://www.slideshare.net/ramusakha/basics-of-financial-accounting
	https://www.accountingtools.com/articles/what-is-a-single-entry-system.html

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, Seminar

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember the concept of rectification of errors and Bank reconciliation statements	K1,K2
CO2	Apply the knowledge in preparing detailed accounts of sole trading concerns	K1, K3,K4
CO3	Analyse the various methods of providing depreciation	K1,K2
CO4	Evaluate the methods of calculation of profit	K5, K6
CO5	Determine the royalty accounting treatment and claims from insurance companies in case of loss of stock.	K1,K2,K6

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate; **K6** – Create

B.Com., (Computer Applications)

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

PO/ PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	3	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	2	3	3	3	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
I	23U1CCAC2	Principles of Management	5	5

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	√
Relevant to Global need				Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To understand the basic management concepts and functions
To know the various techniques of planning and decision making
To familiarize with the concepts of organisation structure
To gain knowledge about the various components of staffing
To enable the students in understanding the control techniques of management

SYLLABUS

I	Introduction to Management Meaning- Definitions – Nature and Scope - Levels of Management – Importance - Management Vs. Administration – Management: Science or Art - Evolution of Management Thoughts - F. W. Taylor, Henry Fayol, Peter F.Drucker, Elton Mayo - Functions of Management - Trends and Challenges of Management. Managers – Qualification – Duties & Responsibilities.	15
II	Planning Planning – Meaning – Definitions – Nature – Scope and Functions – Importance and Elements of Planning – Types – Planning Process - Tools and Techniques of Planning – Management by Objective (MBO).Decision Making: Meaning – Characteristics – Types - Steps in Decision Making – Forecasting.	15
III	Organizing Meaning - Definitions - Nature and Scope – Characteristics – Importance – Types - Formal and Informal Organization – Organization Chart – Organization Structure: Meaning and Types - Departmentalization– Authority and Responsibility – Centralization and Decentralization – Span of Management.	15
IV	Staffing Introduction - Concept of Staffing- Staffing Process – Recruitment – Sources of Recruitment – Modern Recruitment Methods - Selection Procedure – Test- Interview– Training: Need - Types– Promotion – Management Games – Performance Appraisal - Meaning and	15

B.Com., (Computer Applications)

	Methods – 360 Performance Appraisal – Work From Home - Managing Work From Home [WFH].	
V	<p>Directing Motivation –Meaning - Theories – Communication – Types - Barriers to Communications – Measures to Overcome the Barriers. Leadership – Nature - Types and Theories of Leadership – Styles of Leadership - Qualities of a Good Leader – Successful Women Leaders. Supervision.</p> <p>Co-ordination and Control Co-ordination – Meaning - Techniques of Co-ordination. Control - Characteristics - Importance – Stages in the Control Process - Requisites of Effective Control and Controlling Techniques – Management by Exception [MBE].</p>	15
TOTAL		75

Textbooks	
1.	Gupta.C.B, -Principles of Management-L.M. Prasad, S.Chand&Sons Co. Ltd, New Delhi.
2.	DinkarPagare, Principles of Management, Sultan Chand & Sons Publications, New Delhi.
3.	P.C.Tripathi& P.N Reddy, Principles of Management. Tata McGraw, Hill, Noida.
4.	L.M. Prasad, Principles of Management, S.Chand&Sons Co. Ltd, New Delhi.
5.	R.K. Sharma, Shashi K. Gupta, Rahul Sharma, Business Management, Kalyani Publications, New Delhi.

Reference Books	
1.	K Sundhar, Principles Of Management, VijaiNicholos Imprints Limited, Chennai
2.	Harold Koontz, Heinz Weirich, Essentials of Management, McGraw Hill, Sultan Chand and Sons, New Delhi.
3.	Griffin, Management principles and applications, Cengage learning, India.
4.	H.Mintzberg - The Nature of Managerial Work, Harper & Row, New York.
5.	Eccles, R. G. &Nohria, N. Beyond the Hype: Rediscovering the Essence of Management. Boston The Harvard Business School Press, India.

Web Resources	
	http://www.universityofcalicut.info/sy1/management
	https://www.managementstudyguide.com/manpower-planning.htm
	https://www.businessmanagementideas.com/notes/management-notes/coordination/coordination/21392

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, Seminar

B.Com., (Computer Applications)

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Demonstrate the importance of principles of management.	K1,K2
CO2	Paraphrase the importance of planning and decision making in an organization.	K1, K3,K4
CO3	Comprehend the concept of various authorizes and responsibilities of an organization.	K1,K2. K5
CO4	Enumerate the various methods of Performance appraisal	K4, K5
CO5	Demonstrate the notion of directing, co-coordination and control in the management.	K1,K2,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	2	3	3	2	2	2	3	2	3
CO2	3	2	3	3	2	2	2	2	3	2	2
CO3	3	2	2	3	2	2	2	1	3	2	2
CO4	3	2	2	3	2	2	2	2	3	2	2
CO5	3	2	3	3	2	2	2	1	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
I	23UICCAA1	Allied - Computer Fundamentals	5	3

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√		Addresses Human Values		

Course Objectives

The main objectives of this course are:

To Impart the Knowledge of Fundamentals of Computers.
To discover the Knowledge of newly invented devices and Units
To compute with the interconnected networks for the linkage of Worldwide Networks.
To apply the software and understand the system software
To given more information on the Internet

SYLLABUS

I	Evolution of Computers - Generations, Types of computers, Computer system characteristics, Basic components of a Digital Computer - Control unit, ALU, Input/Output functions and memory, Memory addressing capability of a CPU, Word length of a computer, processing speed of a computer, Computer Classification.	15
II	Input/Output Units-: Keyboard, Mouse, Trackball, Joystick, Digitizing tablet, Scanners, Digital Camera, MICR, OCR, OMR, Bar-code Reader, Voice Recognition, Light pen, Touch Screen, Monitors and types of monitor -Digital, Analog, Size, Resolution, Refresh Rate, Dot Pitch, Video Standard - VGA, SVGA, XGA etc., Printers & types - Daisy wheel, Dot Matrix, Inkjet, Laser, Line Printer, Plotter, Sound Card and Speakers.	15
III	Memory - RAM, ROM, EPROM, PROM and other types of memory, Storage fundamentals - Primary Vs Secondary Data Storage, Various Storage Devices - Magnetic Tape, Magnetic Disks, Cartridge Tape, Hard Disk Drives, Floppy Disks (Winchester Disk), Optical Disks, CD, VCD, CDR, CD-RW, Zip Drive, flash drives Video Disk, Blue Ray Disc, SD/MMC Memory cards, Physical structure of floppy & hard disk, drive naming conventions in PC. DVD, DVD-RW, USB Pen drive.	15

B.Com., (Computer Applications)

IV	Software and its Need, Types of Software - System software, Application software, System Software - Operating System, Utility Program, Algorithms, Flow Charts - Symbols, Rules for making Flow chart, Programming languages, Assemblers, Compilers and Interpreter, Computer Applications in Business.	15
V	Introduction to Internet, connecting to the Internet Hardware, Software & ISPs, Search Engines, Web Portals, Online Shopping, Email – Types of email, Compose and send a message. Reply to a message, Working with emails.	15
TOTAL		75

Textbooks	
1	B. Ram, “Computer Fundamentals, Architecture and Organization”, New Age International Publishers
2	S.K.Basandra, “Computers Today “, Galgotia Publications.
3	P.K. Sinha, “Computer Fundamentals – P. K. Sinha – BPB Publication

Reference Books	
	T. C.Bartee, “Digital Computer Fundamentals”, Sixth Edition, 1991, TMH.
	Anita Goel, Computer Fundamentals, Pearson Publications,
	Ramesh Bangia, Computer Fundamentals and information technology, Firewall Media Publications

Web Resources	
	https://books.google.co.in/books?id=ICjqr6V9S6UC&printsec=frontcover#v=onepage&q&f=false
	https://www.google.co.in/books/edition/COMPUTER_FUNDAMENTALS_SEMESTER_1/sbf0wQEACAAJ?hl=en
	https://www.google.co.in/books/edition/Computer_Fundamentals/zyOYs2EqZDgC?hl=en&gbpv=1&dq=computer%20fundamentals&pg=PR6&printsec=frontcover

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Illustrate the different types of computers	K1,K2
CO2	Extracting the nature of Input and Output Devices	K1, K3,K4
CO3	Differentiate the types of Memory	K1,K2. K5
CO4	Determine system software and Explain the Structure of Algorithms, Programs and Flowcharts	K4, K5
CO5	Scholastic Representation of Web Portals, Search Engines	K1,K2,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

B.Com., (Computer Applications)

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	2	3	3	2	2	2	3	2	3
CO2	3	2	3	3	2	2	2	2	3	2	2
CO3	3	2	2	3	2	2	2	1	3	2	2
CO4	3	2	2	3	2	2	2	2	3	2	2
CO5	3	2	3	3	2	2	2	1	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
I & II	23U2CCAA2	Allied - Business Economics (NS)	3	-

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need				Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To understand the approaches to economic analysis
To know the various determinants of demand
To gain knowledge on concept and features of consumer behaviour
To learn the laws of variable proportions
To enable the students to understand the objectives and importance of pricing policy

SYLLABUS

I	<p>Introduction to Economics Introduction to Economics – Wealth, Welfare and Scarcity Views on Economics – Positive and Normative Economics - Definition – Scope and Importance of Business Economics - Concepts: Production Possibility frontiers – Opportunity Cost – Accounting Profit and Economic Profit – Incremental and Marginal Concepts – Time and Discounting Principles – Concept of Efficiency- Business Cycle:- Inflation, Depression, Recession, Recovery, Reflation and Deflation.</p>	15
II	<p>Demand & Supply Functions Meaning of Demand - Demand Analysis: Demand Determinants, Law of Demand and its Exceptions. Elasticity of Demand: Definition, Types, Measurement and Significance. Demand Forecasting - Factors Governing Demand Forecasting - Methods of Demand Forecasting, Law of Supply and Determinants.</p>	15
III	<p>Consumer Behaviour Consumer Behaviour – Meaning, Concepts and Features – Law of Diminishing Marginal Utility – Equi-Marginal Utility – Indifference Curve: Meaning, Definition, Assumptions, Significance and Properties – Consumer's Equilibrium. Price, Income and Substitution Effects. Types of Goods: Normal, Inferior and Giffen Goods - Derivation of Individual Demand Curve and Market Demand Curve with the help of Indifference Curve.</p>	15
IV	<p>Theory of Production Concept of Production - Production Functions: Linear and Non – Linear Homogeneous Production Functions - Law of Variable Proportion –</p>	15

B.Com., (Computer Applications)

	Laws of Returns to Scale - Difference between Laws of variable proportion and returns to scale – Economies of Scale – Internal and External Economies – Internal and External Diseconomies - Producer's equilibrium	
V	Product Pricing Price and Output Determination under Perfect Competition, Short Period and Long Period Price Determination, Objectives of Pricing Policy, Its importance, Pricing Methods and Objectives – Price Determination under Monopoly, kinds of Monopoly, Price Discrimination, Determination of Price in Monopoly – Monopolistic Competition – Price Discrimination, Equilibrium of Firm in Monopolistic Competition–Oligopoly – Meaning – features, “Kinked Demand” Curve	15
TOTAL		75

Textbooks	
1	H.L. Ahuja, Business Economics–Micro & Macro - Sultan Chand & Sons, New Delhi.
2	C.M.Chaudhary, Business Economics-RBSA Publishers - Jaipur-03.
3	Aryamala.T, Business Economics, Vijay Nocole, Chennai.
	T.P Jain, Business Economics, Global Publication Pvt.Ltd, Chennai.
	D.M.Mithani, Business Economics, Himalaya Publishing House, Mumbai.

Reference Books

	S.Shankaran, Business Economics-Margham Publications, Chennai.
	P.L.Mehta, Managerial Economics–Analysis, Problems & Cases, Sultan Chand & Sons, New Delhi.
	Peter Mitchelson and Andrew Mann, Economics for Business-Thomas Nelson Australia
	Ram singh and Vinaykumar, Business Economics, Thakur publication Pvt.Ltd, Chennai.
	Saluram and Priyanks Tindal, Business Economics, CA Foundation Study material, Chennai.

Web Resources

	https://youtube.com/channel/UC69_P77nf5-rKrjcpVESqQ
	https://www.icsi.edu/
	https://www.yourarticlelibrary.com/marketing/pricing/product-pricing-objectives-basis-and-factors/74160

B.Com., (Computer Applications)

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Explain the positive and negative approaches in economic analysis	K1,K2
CO2	Understood the factors of demand forecasting	K1, K3,K4
CO3	Know the assumptions and significance of indifference curve	K1,K2. K5
CO4	Outline the internal and external economies of scale	K4, K5
CO5	Relate and apply the various methods of pricing	K1,K2,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	2	3	3	2	2	2	3	2	3
CO2	3	2	3	3	2	2	2	2	3	2	2
CO3	3	2	2	3	2	2	2	1	3	2	2
CO4	3	2	2	3	2	2	2	2	3	2	2
CO5	3	2	3	3	2	2	2	1	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Subject Code	Title Of The Paper	Hours Of Teaching/ Week	No. of Credits
II	23U2CCAT2	வொதுத் தமிழ் - 2	6	3

Nature of the Course

1. Employability Oriented வேலை வாய்ப்புச் சார்ந்தது	✓	7. Addresses Professional Ethics தொழில் நெறிமுறைகளை நிறைவு	
2. Entrepreneurship Oriented தொழில் முனைவு சார்ந்தது		8. Relevant To Local Need உள்ளூர் தேவைகளோடு தொடர்புடையது	✓
3. Skill Development Oriented திறன்மேம்பாடு சார்ந்தது	✓	9. Relevant To Regional Need மண்டல அளவிலான தேவைகளோடு தொடர்புடையது	
4. Addresses Gender Sensitization பாலின உணர்திறன் பூர்த்தி செய்தல்		10. Relevant To National Need தேசிய அளவிலான தேவைகளோடு தொடர்புடையது	
5. Addresses Environment and Sustainability சுற்றுச் சூழல் மற்றும் நிலைத் தன்மை நிறைவு செய்தல்		11. Relevant To Global Development Need உலக அளவிலான தேவைகளோடு தொடர்புடையது	
6. Addresses Human Values மனித மதிப்புகளை நிறைவு செய்தல்	✓		

Course Objectives

1. சமய இலக்கியங்களையும் சிற்றிலக்கியங்களையும் மாணவர்களுக்கு அறிமுகப்படுத்துதல்.
2. மாணவர்களுக்கு மொழித்திறனை வளர்க்கப் பயிற்சி அளித்தல்.
3. மாணவர்களுக்குச் சிறுகதை இலக்கிய வடிவத்தை உணர்த்துதல்.

Unit	Details	Hours
Unit-I	1. திருநாவுக்கரசர் தேவாரம் - நாமார்க்கும் குடியல்லோம் எனத் தொடங்கும் பதிகம் (10 பாடல்கள்) 2. ஆண்டாள் - திருப்பாவை (முதல் 10 பாசரம்)	18 Hrs
Unit-II	1. வள்ளலார் - அருள் விளக்க மாலை (முதல் 10 பாடல்) 2. எச். ஏ. கிருட்டிணப்பிள்ளை - இரட்சணிய மனோகரம் - பால்ய பிரார்த்தனை 3. குணங்குடி மஸ்தான் சாகிபு - பராபரக்கண்ணி (முதல் 10 கண்ணி)	18 Hrs
Unit-III	சிற்றிலக்கியங்கள் 1. தமிழ்விடு தூது (முதல் 20 கண்ணி) 2. திருக்குற்றாலக் குறவஞ்சி - குறத்தி மலைவளம் கூறுதல் 3. முக்கூடல் பள்ளு - நாட்டு வளம்	18 Hrs
Unit-IV	1. பாடம் தழுவிய இலக்கிய வரலாறு 2. மனோரஞ்சிதம் - கேட்டிவி	18 Hrs
Unit-V	மொழித்திறன்/போட்டித் தேர்வுத் திறன் 1. தொடர் வகைகள் 2. மரபுத்தொடர், பழமொழிகள் 3. பிறமொழிச் சொற்களைக் களைதல் 4. வழ்ச்சொற்கள் நீக்குதல் 5. இலக்கணக் குறிப்பு அறிதல்	18 Hrs

B.Com., (Computer Applications)

CO Number	CO Statement	Cognitive Level
CO1	பக்தி இலக்கியங்களைக் கற்பதன் மூலம் பக்தி நெறியினையும், சமய நல்லிணக்கத்தையும் தெரிந்து பின்பற்றுவர்.	K1, K2
CO2	சிற்றிலக்கியங்களின்வழி இலக்கியச் சுவையினையும் பண்பாட்டு அறிவினையும் பெறுவர்.	K2
CO3	பட்டப் படிப்பினைப் படிக்கும் போதே பெரும்பான்மையான தமிழ் இலக்கியங்கள் குறித்த அறிவினைப் பெறுவர்.	K4
CO4	தமிழ்ச் சமூகப் பண்பாட்டு வரலாற்றினை இலக்கியங்கள் வாயிலாக அறிவர்.	K3
CO5	போட்டித் தேர்வுகளில் வெற்றி பெறுவதற்குத் தமிழ்ப் பாடத்தினைப் பயன்கொள்ளும் வகையில் ஏற்ற பயிற்சி பெறுவர்.	K4

Text Books

1. தமிழ் இலக்கிய வரலாறு -செம்பதிப்பு- பெ.சுபாஷ் சந்திரபோஸ் பார்வை நூல்கள்

1. தமிழ் இலக்கிய வரலாறு - சிற்பி.பாலசுப்பிரமணியன்
2. புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு - தமிழண்ணல்
3. வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு - எஃப்.பாக்கியமேரி

Web Resource:-

Related Online Contents (MOOC, SWAYAM, NPTEL, Websites etc.)

1. Tamil Heritage Foundation- www.tamilheritage.org <<http://www.tamilheritage.org>> Tamil virtual University Library-
2. www.tamilvu.org/library
3. <http://www.virtualvu.org/library> Project Madurai - www.projectmadurai.org.
4. Chennai Library- www.chennailibrary.com <<http://www.chennailibrary.com>>.
5. Tamil Universal Digital Library- www.ulib.prg <<http://www.ulib.prg>>.
6. Tamil E-Books Downloads- [tamil ebooks downloads. blogspot.com](http://tamil.ebooks.downloads.blogspot.com)
7. Tamil Books on line- [books. tamil cube.com](http://books.tamilcube.com)
8. Catalogue of the Tamil books in the Library of British Congress archive.org
9. Tamil novels on line - books.tamilcube.com

பொதுத்தமிழ் —2												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CLO1	3	2	3	3	3	2	2	2	3	2	3	2
CLO2	3	3	2	2	2	3	2	3	3	2	2	2
CLO3	3	2	3	3	2	2	2	3	2	3	3	2
CLO4	2	3	3	2	2	2	3	2	3	2	3	3
CLO5	3	3	2	2	2	3	3	2	2	2	3	3

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
II	23U2CCAE2	PART - II GENERAL ENGLISH	6	3

Learning Objectives

LO1	To make students realize the importance of resilience
LO2	To enable them to become good decision makers
LO3	To enable them to imbibe problem-solving skills
LO4	To enable them to use tenses appropriately
LO5	To help the use English effectively at the work place.

Unit No.	Unit Title & Text	No. of Periods for the Unit
I	RESILIENCE Poem Don't Quit – Edgar A. Guest Still Here–Langston Hughes Short Story Engine Trouble – R.K.Narayan RipVan Winkle– Washington Irving	20
II	DECISION MAKING Short Story The Scribe– Kristin Hunter The Lady or the Tiger- Frank Stockton Poem The Road not Taken–Robert Frost Snake – D. H Lawrence	20
III	PROBLEM SOLVING Prose life Story How I taught My Grandmother to Read– Sudha Murthy Autobiography How frog Went to Heaven–ATale of Angolo Wings of Fire(Chapters1, 2, 3) by A.P.J Abdul Kalam	20
IV	Moral Values The Stoic Penalty Nobility in Reasoning Malu, the Frivolous Freak Honesty is the Cream of Chastity A Boy in Boy's Town	15
V	Tenses Present Past Future Concord	15

Course Outcomes

Course Outcomes	On completion of this course, students will;	
CO1	Realize the importance of resilience	PO1,PO7

B.Com., (Computer Applications)

CO2	Become good decision-makers	PO1,PO2,PO10
CO3	Imbibe problem-solving skills	PO4,PO6,PO9
CO4	Use tenses appropriately	PO4, PO5,PO6
CO5	Use English effectively at the work place.	PO3,PO8

Text Books (Latest Editions)	
References Books	
1	Martin Hewings. Advanced English Grammar. Cambridge University Press, 2000
2	SP Bakshi, Richa Sharma. Descriptive English. Arihant Publications (India) Ltd., 2019.
3.	Sheena Cameron, Louise Dempsey. The Reading Book: A Complete Guide to Teaching Reading. S & L. Publishing, 2019.
4	Barbara Sherman. Skimming and Scanning Techniques, Liberty University Press, 2014.
5.	Phil Chambers. Brilliant Speed Reading: What every ounded to read, however. Pearson, 2013.
6.	Communication Skills: Practical Approach Ed.Shaikh Moula Ramendra Kumar. Stories of Resilience, Blue Rose Publications, 2020.
7.	Sri. KTV. Melodious Harmony, New Century Book House. 2022

Web Sources

1	LangstonHughes.StillHere https://poetryace.com/im-still-here
2	R.K. Narayan.Engine Trouble http://www.sbioaschooltrichy.org/work/Work/images/new/8e.pdf
3	Washington Irving. Rip Van Winkle https://www.gutenberg.org/files/60976/60976-h/60976-h.htm
4	FrankStockton. TheLadyor the Tiger https://www.gutenberg.org/ebooks/396

Mapping with Programme Outcomes:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	2	3	2
CO2	2	3	3	3	2	3	3	2	2	2
CO3	3	3	3	2	3	3	3	2	3	2
CO4	3	3	3	3	3	3	3	2	2	2
CO5	3	2	3	3	3	3	3	2	2	3

3–Strong,2–Medium,1-Low Mapping with Programme Specific Outcomes:

CO /PO	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3
CO2	3	3	3	3
CO3	3	3	3	3
CO4	3	3	3	3
CO5	3	3	3	3
Weight age	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0

3– Strong, 2 –Medium, 1-Low

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
II	23U2CCAC3	Financial Accounting – II	5	4

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need			Addresses Human Values		

Course Objectives

The main objectives of this course are:

The students are able to prepare different kinds of accounts such Higher purchase and Instalments System.
To understand the allocation of expenses under departmental accounts
To gain an understanding about partnership accounts relating to Admission and retirement
Provides knowledge to the learners regarding Partnership Accounts relating to dissolution of firm
To know the requirements of international accounting standards

SYLLABUS

I	Hire Purchase and Instalment System Hire Purchase System – Accounting Treatment – Calculation of Interest - Default and Repossession - Hire Purchase Trading Account Instalment System - Calculation of Profit	15
II	Branch and Departmental Accounts Branch – Dependent Branches : Accounting Aspects - Debtors system -Stock and Debtors system – Distinction between Wholesale Profit and Retail Profit – Independent Branches (Foreign Branches excluded) - Departmental Accounts: Basis of Allocation of Expenses – Inter- Departmental Transfer at Cost or Selling Price.	15
III	Partnership Accounts - I Partnership Accounts:–Admission of a Partner – Treatment of Goodwill - Calculation of Hidden Goodwill –Retirement of a Partner – Death of a Partner.	15
IV	Partnership Accounts - II Dissolution of Partnership - Methods – Settlement of Accounts Regarding Losses and Assets – Realization account – Treatment of Goodwill – Preparation of Balance Sheet - Insolvency of a Partner – One or more Partners insolvent – All Partners insolvent - Garner Vs Murray – Accounting Treatment - Piecemeal Distribution – Surplus Capital Method – Maximum Loss Method.	15
V	Accounting Standards for financial reporting 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	15

B.Com., (Computer Applications)

Developing IFRS- IFRS Adoption or Convergence in India- Implementation Plan in India- Ind AS- An Introduction - Difference between Ind AS and IFRS.	
TOTAL	75

Textbooks	
1	Radhaswamy and R.L. Gupta: Advanced Accounting , Sultan Chand, New Delhi.
2	M C ShuklaTSGrewal&S C Gupta, Advance Accounts, S Chand Publishing, New Delhi.
3	R.L.Gupta and V.K.Gupta, “Financial Accounting”, Sultan Chand, New Delhi.
4	S P Jain and K. L. Narang: Financial Accounting- I, Kalyani Publishers, New Delhi.
5	T.S.Reddy& A. Murthy, Financial Accounting, Margham Publishers, Chennai.

Reference Books

1	Dr. S.N. Maheswari: Financial Accounting, Vikas Publications, Noida.
2	Dr.Venkataraman& others (7 lecturers): Financial Accounting, VBH, Chennai.
3	Dr.Arulanandan and Raman: Advanced Accountancy, Himalaya publications, Mumbai.
4	Tulsian , Advanced Accounting, Tata MC. Graw hills, India.
5	Charumathi and Vinayagam, Financial Accounting, S.Chand and sons, New Delhi.

Web Resources

1	https://www.slideshare.net/mcsharma1/accounting-for-depreciation-1
2	https://www.slideshare.net/ramusakha/basics-of-financial-accounting
3	https://www.accountingtools.com/articles/what-is-a-single-entry-system.html

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	To evaluate the Hire purchase accounts and Installment systems	K1,K2
CO2	To prepare Branch accounts and Departmental Accounts	K3,K4, K6
CO3	To understand the accounting treatment for admission and retirement in partnership	K1,K2. K5
CO4	To know Settlement of accounts at the time of dissolution of a firm.	K5. K6
CO5	To elaborate the role of IFRS	K4,K6

Cognitive Level: K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate; **K6** – Create

B.Com., (Computer Applications)

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	2	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	3	3	3	3	3	3	3	3	3	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
II	23U2CCAC4	BUSINESS LAW	5	4

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need				Addresses Human Values	

Course Objectives

The main objectives of this course are:

To know the nature and objectives of Mercantile law
To understand the essentials of valid contract
To gain knowledge on performance contracts
To define the concepts of Bailment and pledge
To understand the essentials of contract of sale

SYLLABUS

I	Introduction An introduction – Definition – Objectives of Law - Law: Meaning and its Significance, Mercantile Law: Meaning, Definition, Nature, Objectives, Sources, Problems of Mercantile Law	15
II	Elements of Contract Indian Contract Act 1872: Definition of Contract, Essentials of Valid Contract, Classification of Contract, Offer and Acceptance – Consideration – Capacity of Contract – Free Consent - Legality of Object – Contingent Contracts – Void Contract	15
III	Performance Contract Meaning of Performance, Offer to Perform, Devolution of Joint liabilities & Rights, Time and Place of Performance, Reciprocal Promises, Assignment of Contracts - Remedies for Breach of contract - Termination and Discharge of Contract - Quasi Contract	15
IV	Contract of Indemnity and Guarantee Contract of Indemnity and Contract of Guarantee - Extent of Surety's Liability, Kinds of Guarantee, Rights of Surety, Discharge of Surety – Bailment and Pledge – Bailment – Concept – Essentials and Kind - Classification of Bailment's, Duties and Rights of Bailor and Bailee – Law of Pledge – Meaning – Essentials of Valid Pledge, Pledge and Lien, Rights of Pawner and Pawnee.	15
V	Sale of Goods Act 1930: Definition of Contract of Sale – Formation - Essentials of Contract of Sale - Conditions and Warranties - Transfer of Property – Contracts involving Sea Routes - Sale by Non-owners - Rights and duties of buyer -	15

B.Com., (Computer Applications)

	Rights of an Unpaid Seller	
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Textbooks	
1	N.D. Kapoor , Business Laws- Sultan Chand and Sons, New Delhi.
2	R.S.N. Pillai – Business Law, S.Chand, New Delhi.
3	M C Kuchhal&VivekKuchhal, Business law, S Chand Publishing, New Delhi
	M.V. Dhandapani, Business Laws, Sultan Chand and Sons, New Delhi.
	Shusma Aurora, Business Law, Taxmann, New Delhi.

Reference Books	
	Preethi Agarwal, Business Law, CA foundation study material, Chennai.
	Business Law by Saravanel, Sumathi, Anu, Himalaya Publications, Mumbai.
	Kavya and Vidhyasagar, Business Law, Nithya publication, New Delhi.
	D.Geet, Business Law NiraliPrakashan Publication, Pune.
	M.R. Sreenivasan , Business Laws, Margham Publications, Chennai.

Web Resources	
	www.cramerz.com www.digitalbusinesslawgroup.com
	http://swcu.libguides.com/buslaw
	http://libguides.slu.edu/businesslaw

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Explain the Objectives and significance of Mercantile law	K1,K2
CO2	Understand the clauses and exceptions of Indian Contract Act.	K3,K4, K6
CO3	Explain concepts on performance, breach and discharge of contract.	K1,K2. K5
CO4	Outline the contract of indemnity and guarantee	K5. K6
CO5	Explain the various provisions of Sale of Goods Act 1930	K4,K6

Cognitive Level: K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	2	3	2	2	2	2	2	2	2
CO2	3	2	3	3	2	2	2	2	2	2	2
CO3	3	2	2	3	2	2	2	2	2	2	2
CO4	3	2	3	3	2	2	2	2	2	2	2
CO5	3	2	3	3	2	2	2	2	2	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
I & II	23U2CCAA2	Allied - Business Economics (NS)	3	3

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented		Addresses Environment and Sustainability	√
Relevant to Global need				Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To understand the approaches to economic analysis
To know the various determinants of demand
To gain knowledge on concept and features of consumer behaviour
To learn the laws of variable proportions
To enable the students to understand the objectives and importance of pricing policy

SYLLABUS

I	Introduction to Economics Introduction to Economics – Wealth, Welfare and Scarcity Views on Economics – Positive and Normative Economics - Definition – Scope and Importance of Business Economics - Concepts: Production Possibility frontiers – Opportunity Cost – Accounting Profit and Economic Profit – Incremental and Marginal Concepts – Time and Discounting Principles – Concept of Efficiency- Business Cycle:- Inflation, Depression, Recession, Recovery, Reflation and Deflation.	15
II	Demand & Supply Functions Meaning of Demand - Demand Analysis: Demand Determinants, Law of Demand and its Exceptions. Elasticity of Demand: Definition, Types, Measurement and Significance. Demand Forecasting - Factors Governing Demand Forecasting - Methods of Demand Forecasting, Law of Supply and Determinants.	15
III	Consumer Behaviour Consumer Behaviour – Meaning, Concepts and Features – Law of Diminishing Marginal Utility – Equi-Marginal Utility – Indifference Curve: Meaning, Definition, Assumptions, Significance and Properties – Consumer’s Equilibrium. Price, Income and Substitution Effects. Types of Goods: Normal, Inferior and Giffen Goods - Derivation of Individual Demand Curve and Market Demand Curve with the help of Indifference Curve.	15
IV	Theory of Production Concept of Production - Production Functions: Linear and Non – Linear Homogeneous Production Functions - Law of Variable	15

B.Com., (Computer Applications)

	Proportion – Laws of Returns to Scale - Difference between Laws of variable proportion and returns to scale – Economies of Scale – Internal and External Economies – Internal and External Diseconomies - Producer’s equilibrium	
V	Product Pricing Price and Output Determination under Perfect Competition, Short Period and Long Period Price Determination, Objectives of Pricing Policy, Its importance, Pricing Methods and Objectives – Price Determination under Monopoly, kinds of Monopoly, Price Discrimination, Determination of Price in Monopoly – Monopolistic Competition – Price Discrimination, Equilibrium of Firm in Monopolistic Competition–Oligopoly – Meaning – features, “Kinked Demand” Curve	15
TOTAL		75

Textbooks

H.L. Ahuja, Business Economics–Micro & Macro - Sultan Chand & Sons, New Delhi.
C.M.Chaudhary, Business Economics-RBSA Publishers - Jaipur-03.
Aryamala.T, Business Economics, Vijay Nocole, Chennai.
T.P Jain, Business Econmomics, Global Publication Pvt.Ltd, Chennai.
D.M.Mithani, Business Economics, Himalaya Publishing House, Mumbai.

Reference Books

S.Shankaran, Business Economics-Margham Publications, Chennai.
P.L.Mehta, Managerial Economics–Analysis, Problems & Cases, Sultan Chand & Sons, New Delhi.
Peter Mitchelson and Andrew Mann, Economics for Business-Thomas Nelson Australia
Ram singh and Vinaykumar, Business Economics, Thakur publication Pvt.Ltd, Chennai.
Saluram and Priyanks Tindal, Business Economics, CA Foundation Study material, Chennai.

Web Resources

https://youtube.com/channel/UC69_-P77nf5-rKrjcpVESqQ
https://www.icsi.edu/
https://www.yourarticlelibrary.com/marketing/pricing/product-pricing-objectives-basis-and-factors/74160

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Explain the positive and negative approaches in economic analysis	K1,K2
CO2	Understood the factors of demand forecasting	K1, K3,K4
CO3	Know the assumptions and significance of indifference curve	K1,K2. K5
CO4	Outline the internal and external economies of scale	K4, K5
CO5	Relate and apply the various methods of pricing	K1,K2,K6

Cognitive Level: K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate; **K6** – Create

B.Com., (Computer Applications)

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	2	3	3	2	2	2	3	2	3
CO2	3	2	3	3	2	2	2	2	3	2	2
CO3	3	2	2	3	2	2	2	1	3	2	2
CO4	3	2	2	3	2	2	2	2	3	2	2
CO5	3	2	3	3	2	2	2	1	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
II	23U2CCAA3	Allied - Business Environment	5	3

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√			Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To understand the nexus between environment and business.
To know the Political Environment in which the businesses operate.
To gain an insight into Social Environment.
To familiarize the concepts of an Economic Environment.
To learn the trends in Global Environment.

SYLLABUS

Unit	Content	Hours
I	An Introduction The Concept of Business Environment - Its Nature and Significance – Brief Overview of Political – Cultural – Legal – Economic and Social Environments and their Impact on Business and Strategic Decisions.	15
II	Political Environment Political Environment – Government and Business Relationship in India – Provisions of Indian Constitution Pertaining to Business.	15
III	Social and Cultural Environment Social and Cultural Environment – Impact of Foreign Culture – Castes and Communities – Linguistic and Religious Groups – Types of Social Organization – Social Responsibilities of Business.	15
IV	Economic Environment Economic Environment – Economic Systems and their Impact of Business – Macro Economic Parameters like GDP - Growth Rate Population – Urbanization - Fiscal Deficit – Plan Investment – Per Capita Income and their Impact on Business Decisions.	15
V	Technological Environment Technological Environment – Meaning- Features OF Technology- Sources of Technology Dynamics-Transfer of Technology- Impact of Technology on Globalization- Status of Technology in India- Determinants of Technology Environment.	15
Total		75

B.Com., (Computer Applications)

Textbooks

1	C. B. Gupta, Business Environment, Sulthan Chand & Sons, New Delhi
2	Francis Cherunilam, Business Environment, Himalaya Publishing House, Mumbai
3.	Dr. V.C. Sinha, Business Environment, SBPD Publishing House, UP.
4.	Aswathappa.K, Essentials Of Business Environment, Himalaya Publishing House, Mumbai
5.	Rosy Joshi, Sangam Kapoor & Priya Mahajan, Business Environment, Kalyani Publications, New Delhi

Reference Books

1.	Veenakeshvpailwar, Business Environment, PHI Learning Pvt Ltd, New Delhi
2.	Shaikhsaleem, Business Environment, Pearson, New Delhi
3.	S. Sankaran, Business Environment, Margham Publications, Chennai

Web Resources

1	www.mbaofficial.com
2	www.yourarticlelibrary.com
3	www.businesscasestudies.co.uk

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember the nexus between environment and business.	K1,K2
CO2	Apply the knowledge of Political Environment in which the businesses operate.	K3,K4, K6
CO3	Analyze the various aspects of Social Environment.	K1,K2. K5
CO4	Evaluate the parameters in Economic Environment.	K5. K6
CO5	Create a conducive environment for business to operate globally.	K3,K6

Cognitive Level: K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** - Evaluate; **K6** - Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	3	2	2	3	2	3	3
CO2	3	2	2	3	3	2	3	3	2	3	3
CO3	3	2	3	3	3	2	3	3	2	3	3
CO4	3	2	3	3	3	2	2	3	2	3	3
CO5	3	2	3	3	3	2	3	3	3	3	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 - No correlation

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Semester	Subject Code	Title Of The Paper	Hours Of Teaching/ Week	No. of Credits
III	23U3CCAT3	வொதுத் தமிழ் – 3	6	3

Nature of the Course

1. Employability Oriented வேலை வாய்ப்புச் சார்ந்தது		7. Addresses Professional Ethics தொழில் நெறிமுறைகளை நிறைவு செய்தல்	✓
2. Entrepreneurship Oriented தொழில் முனைவு சார்ந்தது		8. Relevant To Local Need உள்ளூர் தேவைகளோடு தொடர்புடையது	✓
3. Skill Development Oriented திறன்மேம்பாடு சார்ந்தது	✓	9. Relevant To Regional Need மண்டல அளவிலான தேவைகளோடு தொடர்புடையது	
4. Addresses Gender Sensitization பாலின உணர்திறன் பூர்த்தி செய்தல்		10. Relevant To National Need தேசிய அளவிலான தேவைகளோடு தொடர்புடையது	
5. Addresses Environment and Sustainability சுற்றுச் சூழல் மற்றும் நிலைத் தன்மை நிறைவு செய்தல்		11. Relevant To Global Development Need உலக அளவிலான தேவைகளோடு தொடர்புடையது	
6. Addresses Human Values மனித மதிப்புகளை நிறைவு செய்தல்	✓		

Course Objectives

<p>1. இலக்கியங்களின் சிறப்பினை உணர்த்துதல்.</p> <p>2. காலந்தோறும் எழுந்த காப்பியங்களின் போக்கையும், புதினத்தின் இலக்கிய வடிவத்தை மாணவர்கள் உணருமாறு செய்தல்.</p> <p>3. யாப்பு, அணி போன்ற இலக்கிய வகைகளையும் மொழி பெயர்ப்புத் திறனையும் மாணவர்கள் உணருமாறு செய்தல்.</p> <p>4. தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்பக் கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்.</p>

Unit	Details	Hours
Unit-I	பெருங்காப்பியங்கள் 1. சிலப்பதிகாரம் - வழக்குரைகாதை-இளங்கோவடிகள் 2. மணிமேகலை ஆதிரை பிச்சையிட்ட காதை சீத்தலைச்சாத்தனார் 3. சீவகசிந்தாமணி - பூமகள் இலம்பகம் திருத்தக்கதேவர் 4. வளையாபதி—நாதகுத்தனார்	18 Hrs
Unit-II	சமயக் காப்பியங்கள் 1. பெரியபுராணம் - பூசலார் நாயனார்புராணம்-சேக்கிழார் 2. கம்பராமாயணம்- மந்தரை சூழ்ச்சிப் படலம்-கம்பர் 3. வில்லிபாரதம் - மற்போர் சருக்கம்-வில்லிப்புத்தூராழ்வார் 4. சீறாப்புராணம் - புலி வசனித்த படலம்-உறுப்புலவர்	18 Hrs

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Unit-III	புதினம் 1.வஞ்சிமாநகரம் (வரலாற்றுப் புதினம்) -நா. பார்த்தசாரதி	18 Hrs
Unit-IV	1.பாடம் தழுவிய இலக்கிய வரலாறு 2.குரல் கொடுக்கும் வானம்பாடி - கேட்டிவி	18 Hrs
Unit-V	மொழித்திறன்/போட்டித் தேர்வுத் திறன் 1. நூல் மதிப்புரை 2. திறனாய்வு செய்தல் 3. கடிதம் வரைதல் 4. விண்ணப்பம் எழுதுதல்	18 Hrs

CO Number	CO Statement	Cognitive Level
CO1	காப்பியங்கள் அறிமுகப்படுத்தப்படுவதால் தமிழ் மொழியின் உயர்வையும் சிறப்பையும் உணர்தல்.	K1, K2
CO2	தமிழ்ப் புதினங்களின்வழி சமகாலப் படைப்புகளின் வாழ்வியல் சிந்தனைகளை அறிந்து கொள்வர்.	K2
CO3	நாவல் இலக்கியம் அறிமுகப்படுத்தப்படுவதால் சிந்தனை ஆற்றல், படைப்பாற்றல், கற்பனைத்திறன் வளர்தல்.	K4
CO4	யாப்பு, அணி இலக்கணங்கள், மொழிபெயர்ப்புத்திறன் ஆகியவற்றைக் கற்பதன் மூலம் போட்டித் தேர்வுகளை எதிர் கொள்ளுதல்.	K3
CO5	காப்பியங்கள் அறிமுகப்படுத்தப்படுவதால் தமிழ் மொழியின் உயர்வையும் சிறப்பையும் உணர்தல்.	K4

Text Books

1. தமிழ் இலக்கிய வரலாறு -செம்பதிப்பு- பெ.சுபாஷ் சந்திரபோஸ்
பார்வை நூல்கள்

1. தமிழ் இலக்கிய வரலாறு - சிற்பி.பாலசுப்பிரமணியன்
2. புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு - தமிழண்ணல்
3. வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு - எஃப்.பாக்கியமேரி

Web Resources

Related Online Contents (MOOC, SWAYAM, NPTEL, Websites etc.)

1. Tamil Heritage Foundation- www.tamilheritage.org
<<http://www.tamilheritage.org>> Tamil virtual University Library-
2. [www.tamilvu.org/ library](http://www.tamilvu.org/library)
3. <http://www.virtualvu.org/library> Project Madurai - www.projectmadurai.org.
4. Chennai Library- www.chennailibrary.com <<http://www.chennailibrary.com>>.
5. Tamil Universal Digital Library- www.ulib.prg <<http://www.ulib.prg>>.
6. Tamil E-Books Downloads- [tamale books downloads. blogspot.com](http://tamalebooksdownloads.blogspot.com)
7. Tamil Books on line- [books.tamil cube.com](http://books.tamilcube.com)
8. Catalogue of the Tamil books in the Library of British Congress archive.org
9. Tamil novels on line - books.tamilcube.com

பொதுத்தமிழ் —3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CLO1	3	2	3	3	3	2	2	2	3	2	3	2
CLO2	3	3	2	2	2	3	2	3	2	3	2	2
CLO3	2	2	2	3	2	3	3	2	2	2	2	3
CLO4	3	2	2	2	3	2	3	3	2	3	3	3
CLO5	2	2	2	3	2	3	2	3	3	2	3	3

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
III	23U3CCAE3	PART - II GENERAL ENGLISH	6	3

Learning Objectives		
LO1	To make students realize the importance of resilience	
LO2	To enable them to become good decision makers	
LO3	To enable them to imbibe problem-solving skills	
LO4	To enable them to use tenses appropriately	
LO5	To help the student use English effectively at the work place.	
Unit No.	Unit Title &Text	No.of Periods for the Unit
I	ACTIVE LISTENING Short Story Ina Grove–Akutagawa Ryunosuke Translated from Japanese by TakashiKojima The Gift of the Magi – O’ Henry Prose Listening – Robin Sharma Nobel Prize Acceptance Speech –Wangari Maathai	20
II	INTERPERSONAL RELATIONSHIPS Prose Telephone Conversation–Wole Soyinka Of Friendship – Francis Bacon Songon (Motivational/ Narrative) Ulysses–Alfred Lord Tennyson And Still IRise– MayaAngelou	20
III	COPING WITH STRESS Poem Leisure– W.H. Davies Anxiety Monster– RhonaMcFerran Readers Theatre The Forty Fortunes: A Tale of Iran Where there is a Will–Mahesh Dattani	20
IV	Grammar Phrasal Verb & Idioms Modals and Auxiliaries Verb Phrases–Gerund, Participle, Infinitive	15
V	Composition/Writing Skills Official Correspondence–Leave Letter, Letter of Application, Permission Letter Drafting Invitations Brochures for Programmes and Events	15

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Course Outcomes		
Course Outcomes	On completion of this course, students will;	
CO1	Listen actively	PO1,PO7
CO2	Develop interpersonal relationship skills	PO1,PO2,PO10
CO3	Acquire self-confidence to cope with stress	PO4,PO6,PO9
CO4	Master grammar skills	PO4,PO5,PO6
CO5	Carryout business communication effectively	PO3,PO8

Text Books (Latest Editions)

1	Wangari Maathai–Nobel Lecture. Nobel Prize Outreach AB 2023.Jul 2023.
2	Mahesh Dattani,Where there is W ill. Penguin, 2013.
3	Martin Hewings, Advanced English Grammar, Cambridge University Press,2000
4	EssentialEnglishGrammarbyRaymondMurphy

Web Resources

1	WangariMaathai–NobelLecture.NobelPrizeOutreachAB2023.Mon.17Jul 2023. https://www.nobelprize.org/prizes/peace/2004/maathai/lecture/
2	TelephoneConversation-Wole Soyinka https://www.k-state.edu/english/westmank/spring_00/SOYINKA.html
3	AnxietyMonster- RhonaMcFerran- www.poetrysoup.com

Mapping with Programme Outcomes:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	2	3	2
CO2	2	3	3	3	2	3	3	2	2	2
CO3	3	3	3	2	3	3	3	2	3	2
CO4	3	3	3	3	3	3	3	2	2	2
CO5	3	2	3	3	3	3	3	2	2	3

3– Strong, 2– Medium, 1 -Low

Mapping with Programme Specific Outcomes:

CO /PO	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3
CO2	3	3	3	3
CO3	3	3	3	3
CO4	3	3	3	3
CO5	3	3	3	3
Weight age	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
III	23U3CCAC5	Corporate Accounting - I	5	5

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need		Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need		Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√		Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

1.	To understand about the pro-rata allotment.
2.	To know the provisions of companies Act under Redemption of Preference shares and debentures.
3.	To learn the form and contents of Financial statements as per Schedule III of Companies Act 2013.
4.	To examine the factors affecting goodwill of a company.
5.	To identify the Significance of International financial reporting standard (IFRS).

SYLLABUS

Unit	Content	Hours
I	Issue of Shares Issue of Shares - Forfeiture - Reissue – Pro-rata Allotment – Right Issue – Bonus Issue - Underwriting of Shares and Debentures – Underwriting Commission - Types of Underwriting.	15
II	Redemption of Preference Shares & Debentures Redemption of Preference Shares–Provisions of Companies Act–Capital Redemption Reserve – Minimum Fresh Issue – Redemption at Premium. Debentures: Issue and Redemption – Meaning – Methods – In One Lot – in Instalment – Purchase in the Open Market includes Ex Interest and Cum Interest - Sinking Fund Investment Method.	15
III	Final Accounts Introduction – Final Accounts – Form and Contents of Financial Statements as Per Schedule III of Companies Act 2013 – Part I Form of Balance Sheet – Part II Form of Statement of Profit and Loss – Ascertaining Profit for Managerial Remuneration. Profit Prior to Incorporation.	15
IV	Valuation of Goodwill & Shares Valuation of Goodwill and Shares - Factors Affecting Goodwill - Methods of Valuation - Acquisition of Business.	15
V	Indian Accounting Standards International Financial Reporting Standard (IFRS)–Meaning and its	15

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	Applicability in India - Indian Accounting Standards – Meaning – Objectives – Significance – Accounting Standards in India – Procedures for Formulation of Standards – Ind AS – 1 Presentation of Financial Statement, Ind AS – 2 Valuation of Inventories, Ind AS – 7 Cash Flow Statement, Ind AS – 8 Accounting Policies, Changes in Accounting Estimate and Errors, Ind AS 12 Income Tax Indi AS – 16, Property Equipment Ind AS – 103, Business Combinations Ind AS 110, Consolidated Financial Statement.	
Total		75

THEORY 20% & PROBLEMS 80%

Textbooks

1	N.D. Kapoor, Company Laws, Sultan Chand and Sons, Chennai
2	R.S.N. Pillai –Company Law, S.Chand, New Delhi.
3.	G.K. Kapoor, Sanjay Dhamija Company Law & Practice , Taxman New Delhi
4.	Shusma Aurora, Company Law, Taxmann, New Delhi
5.	M.C.Kuchal, Company Law, Vikas Publication, Noida

Reference Books

1	Gaffoor & Thothadri, Company Law, Vijay Nichole Imprints Limited, Chennai
2	M.R. Sreenivasan, Company Law & secretarial Practice , Margham Publications, Chennai
3	Kavya And Vidhyasagar, Company Law , Nithya Publication, Bhopal
4	S.D.Geet, Company Law Nirali Prakashan Publication, Pune
5	CA foundation study material

Web Resources

1	https://www.mca.gov.in/content/mca/global/en/acts-rules/companies-act/companies-act-2013.html
2	https://vakilsearch.com/blog/explain-procedure-formation-company/
3	https://www.investopedia.com/terms/w/windingup.asp

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	To understand the provisions for underwriting commission	K1,K2
CO2	sions of issue and redemption of preferences shares and debentures	K3,K4, K6
CO3	To illustrate part I and part II forms	K1,K2. K5
CO4	To value shares and goodwill	K5. K6
CO5	To analyse IND AS 7, 12,16	K3,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

B.Com., (Computer Applications)

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

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

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
III	23U3CCAC6	COMPANY LAW	5	4

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√			Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To know Company Law 1956 and Companies Act 2013
To have an understanding on the formation of a company
To understand the requisites of meeting and resolution
To gain knowledge on the procedure to appoint and remove Directors
To familiarize with the various modes of winding up

SYLLABUS

Unit	Content	Hours
I	Introduction to Company law : Companies Act 2013 – Definition of a Company, Characteristics of Company – Lifting or Piercing the Corporate Veil – Company Distinguished from Partnership and Limited Liabilities Partnerships – Classification of Companies – Based on Incorporation, Liability, Number of Members, Control.	15
II	Formation of Company: Formation of a Company – Promoter – Fundamental Documents – Memorandum of Association – Contents – Alternation – Legal Effects – Articles of Association - Certificate of Incorporation – Prospectus – Contents - Kinds – Liabilities – Share Capital – Kinds – Issue – Alternation – Dividend – Debentures.	15
III	Meeting : Meeting and Resolution – Types – Requisites – Voting & Poll – Resolution – Ordinary, Special Audit & Auditors – Qualification, Disqualification, Appointment and Removal of an Auditor.	15
IV	Management & Administration : Management & Administration – Directors – Legal Position – Board of Directors – Appointment/ Removal – Disqualification – Director Identification Number – Directorships – Powers – Duties – Board Committees – Related Party Transactions – Contract by One – Person Company – Insider Trading- Managing Director – Manager – Secretarial Audit – Administrative Aspects and Winding Up – National Company Law Tribunal (NCLT) – National Company Law Appellate Tribunal (NCLAT) – Special Courts.	15

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V	Winding up Meaning – Modes – Compulsory Winding Up – Voluntary Winding Up – Consequences of Winding Up Order – Powers of Tribunal – Petition for Winding Up – Company Liquidator.	15
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Textbooks

1	N.D. Kapoor , Business Laws, Sultan Chand andSons, Chennai
2	R.S.N. Pillai – Business Law, S.Chand, New Delhi.
3.	M.V. Dhandapani, Business Laws Sultan Chand andSons, Chennai
4.	Shusma Aurora, Business Law,Taxmann, New Delhi
5.	M.C.Kuchal, Business Law, VikasPublication, Noida

Reference Books

1	Gaffoor&Thothadri, Company Law, Vijay Nicholos Imprints Limited, Chennai
2	M.R. Sreenivasan, Business Laws, Margham Publications, Chennai
3	KavyaAndVidhyasagar, Business Law,NithyaPublication, Bhopal
4	S.D.Geet, Business Law NiraliPrakashan Publication, Pune
5	PreethiAgarwal, Business Law, CA foundation study material

Web Resources

1	https://www.mca.gov.in/content/mca/global/en/acts-rules/companies-act/companies-act-2013.html
2	https://vakilsearch.com/blog/explain-procedure-formation-company/
3	https://www.investopedia.com/terms/w/windingup.asp

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Understand the classification of companies under the act	K1,K2
CO2	Examine the contents of the Memorandum of Association & Articles of Association	K3,K4, K6
CO3	Know the qualification and disqualification of Auditors	K1,K2. K5
CO4	Understand the workings of National Company Law Appellate Tribunal (NCLAT)	K5. K6
CO5	Analyze the modes of winding up	K3,K6

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze;**K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	3	2	3	3	2	2
CO2	3	2	3	2	3	3	2	3	3	2	2
CO3	3	2	3	2	3	3	2	3	3	2	2
CO4	3	2	3	2	3	3	2	3	3	2	2
CO5	3	2	3	2	3	3	2	3	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;

1 - Weakly Correlated; 0 – No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
III	23U3CCAAP4	WEB TECHNOLOGY LAB	5	3

Nature of the course

Employability Oriented	✓	Relevant to Local need		Addresses Gender Sensitization	
Entrepreneurship Oriented		Relevant to regional need		Addresses Environment and Sustainability	
Skill development Oriented	✓	Relevant to national need		Addresses Human Values	
		Relevant to Global development need	✓	Addresses Professional Ethics	✓

Course Objectives

The main objectives of this course are to:

<ol style="list-style-type: none">1. The objectives of this course are to have a practical understanding about how to write PHP code to solve problems.2. Display and insert data using PHP and MySQL.3. Test, debug, and deploy web pages containing PHP and MySQL.4. It also aims to introduce practical session to develop simple applications using PHP and MySQL.

LIST OF PRACTICALS

PHP LAB

1. Write a PHP program which adds up columns and rows of given table
2. Write a PHP program to compute the sum of first n given prime numbers
3. Write a PHP program to find valid an email address
4. Write a PHP program to convert a number written in words to digit.
5. Write a PHP script to delay the program execution for the given number of seconds.
6. Write a PHP script, which changes the colour of the first character of a word
7. Write a PHP program to find multiplication table of a number.
8. Write a PHP program to calculate Factorial of a number.
9. Write a PHP code to create a student mark sheet table. Insert, delete and modify records.
10. From a XML document (email.xml), write a program to retrieve and print all the e-mail addresses from the document using XML
11. From a XML document (tree.xml), suggest three different ways to retrieve the text value 'John' using the DOM:
12. Write a program that connects to a MySQL database and retrieves the contents of any one of its tables as an XML file. Use the DOM.

TEXT BOOK:

Vikram Vaswani, "PHP A Beginner's Guide", Tata McGraw Hill 2008.

REFERENCE BOOKS:

1. Steven Holzner , "The PHP Complete Reference", Tata McGraw Hill, 2007.
2. Steven Holzer , "Spring into PHP", Tata McGraw Hill 2011, 5th Edition.

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Web Resources

<https://www.w3schools.com/php/>

Pedagogy: Teaching / Learning methods

1. Lecture
2. Tutorial
3. Assignment
4. PPT presentation
5. Seminar

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Understand the general concepts of PHP scripting language for the development of Internetwebsites.	K1, K2, K3, K4
CO2	Understand the basic functions of MySQL database program and XML concepts	K2, K3, K4
CO3	Learn the relationship between the client side and the server side scripts.	K3, K4, K6
CO4	Create dynamic Web applications such as content management, user registration, and ecommerce using PHP and to understand the ability to post and publish a PHP website.	K5
CO5	Create applications using XML	K3, K4, K5

Cognitive Level: K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	3	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	2	3	3	3	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
III & IV	23U4CCAA5	Allied - JAVA Programming (NS)	3 + 3	--

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√			Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To get in-depth Knowledge about the evolution of java and its Features
Bring out the difference and similarities between C, C++ and java.
Develop programmers in Java with its special Features.
To apply the exception handling in Programming
Implementing the code in internet using Applet with AWT controls.

SYLLABUS

Unit	Content	Hours
I	Introduction to Java - Features of Java – Java Environment - Lexical Issues or tokens- Data Types - Variables - Arrays - Operators – Conditional Statements-Iterative Statements-General Structure of a Java Program.	9
II	Classes and Objects – Fields and Methods Declaration -Constructors – Method Overloading - Static keyword - Final keyword -String Class - String Buffer Class. Java Utilities: Scanner, Stack, Date, Vector, Enumeration. Inheritance: Keyword extends-Types of Inheritance– Keyword super- Overriding of methodsAbstract class and methods.	9
III	User-Defined Packages: Creating and accessing Packages. Interface: Defining Interface-Keyword implements -Multiple Inheritance using Interface. Threads: Introduction- Thread States or life cycle of threadCreation of threads using Thread class and Runnable interface – Thread methods -Thread Priorities -Thread Synchronization.	9
IV	Exception Handling: Types of errors - Syntax of Exception handling code – Built-in Exceptions – Multiple catch statements – Nested try block – Finally statement- Throwing our own exception using throw – Method throwing exception using throws keyword - Managing Errors.	9
V	Applets: Difference between applet and application -Applet life cycle - Building Applet code using Applet tag – Passing parameters to AppletsDrawing various shapes using Graphics Class. AWT Controls: Buttons, Labels, TextField, TextArea, Choice, CheckBox, List, ScrollBar and Layout Managers.	9

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Textbooks

1	E. Balagurusamy, "Programming with Java", Fourth Edition, 2010, Tata McGraw-Hill
2	P Radha Krishna, "Object Oriented Programming through Java", Second Edition, 2007, Universities Press.
3.	John R Hubbard, Programming with Java – Schuam's Outline Series

Reference Books

1	K. Arnold and J. Gosling, "The Java Programming Language", Second Edition, 1996, Addison Wesley
2	P. Naughton and H. Schildt, "Java2 (The Complete Reference)", Eight Edition, 2005, Tata McGraw Hill
3	Kathy Sierra and Bert Bates, "Head First Java", Second Edition, 2003, Oreilly

Web Resources

1	www.tutorialspoint.com/java/java-quick-guide.htm
2	www.ntu.edu.sg/home/ehchua/programming/java/J3a_OOPBasics.html
3	www.tutorialspoint.com/java/java_overview.htm

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Importance of Java comparing the other language.	K1,K2
CO2	Develop program using constructors and its types.	K3,K4, K6
CO3	Implementing the concept Exception handling various application.	K1,K2. K5
CO4	Analyzing different types of inheritance .	K5. K6
CO5	Life Build Applet code using AWT controls and Layout managers	K3,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	2	3	2	3	2	2
CO2	3	2	2	2	3	2	3	2	3	2	2
CO3	3	2	3	2	3	2	3	2	3	2	2
CO4	3	2	2	2	2	2	3	2	3	2	2
CO5	3	2	3	2	2	2	3	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Subject Code	Title Of The Paper	Hours Of Teaching/ Week	No. of Credits
IV	23U4CCAT4	வொதுத் தமிழ் - 4	6	3

Nature of the Course

1. Employability Oriented வேலை வாய்ப்புச் சார்ந்தது		7. Addresses Professional Ethics தொழில் நெறிமுறைகளை நிறைவு செய்தல்	
2. Entrepreneurship Oriented தொழில் முனைவு சார்ந்தது		8. Relevent To Local Need உள்ளூர் தேவைகளோடு தொடர்புடையது	✓
3. Skill Development Oriented திறன்மேம்பாடு சார்ந்தது	✓	9. Relevent To Regional Need மண்டல அளவிலான தேவைகளோடு தொடர்புடையது	
4. Addresses Gender Sensitization பாலின உணர்திறன் பூர்த்தி செய்தல்		10. Relevent To National Need தேசிய அளவிலான தேவைகளோடு தொடர்புடையது	
5. Addresses Environment and Sustainability சுற்றுச் சூழல் மற்றும் நிலைத் தன்மை நிறைவு செய்தல்	✓	11. Relevent To Global Development Need உலக அளவிலான தேவைகளோடு தொடர்புடையது	
6. Addresses Human Values மனித மதிப்புகளை நிறைவு செய்தல்	✓		

Course Objectives

1. சங்க இலக்கியத்தின் சிறப்பையும், நாடகம் என்னும் இலக்கிய வகையின் தன்மையையும் அகத்திணை, புறத்திணை இலக்கணங்களையும் மாணவர்களுக்கு அறிமுகப்படுத்துதல்.
2. தமிழ் இலக்கியம் சார்ந்த போட்டித் தேர்வுகளுக்கு ஏற்பக் கற்பித்தல் நடைமுறைகளை மேற்கொள்ளுதல்.
3. சங்க இலக்கியத்தில் காணப்பெறும் வாழ்வியல் சிந்தனைகளை அறிந்து கொள்வர்.
4. தமிழின் தொன்மையையும், செம்மொழித் தகுதியையும் அறிந்து கொள்ளுதல்.

Unit	Details	Hours
Unit-I	எட்டுத்தொகை 1 நற்றிணை (10, 14, 16), குறுந்தொகை (16, 17, 19, 20, 25, 29, 38, 440) கலித்தொகை (38, 51), அகநானூறு (15, 33, 55), புறநானூறு (37, 86, 112), பரிபாடல் - 55	18 Hrs
Unit-II	எட்டுத்தொகை 2 நெடுநல்வாடை-நக்கீரர்	18 Hrs
Unit-III	நாடகம் - சபாபதி-பம்மல் சம்பந்த முதலியார்	18 Hrs
Unit-IV	1. பாடம் தழுவிய இலக்கிய வரலாறு 2. பயணங்கள் தொடரும் - கேட்டிவி	18 Hrs

B.Com., (Computer Applications)

Unit-V	1. மொழிபெயர்ப்பு / கலைச்சொற்கள் 2. கொடுக்கப்பட்டுள்ள ஆங்கிலப்பகுதியைத் தமிழில் மொழிபெயர்த்தல் 3. அலுவலகக் கடிதம் - தமிழில் மொழிபெயர்த்தல்	18 Hrs
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CO Number	CO Statement	Cognitive Level
CO1	சங்க இலக்கியத்தில் காணப்பெறும் வாழ்வியல் சிந்தனைகளை அறிந்து கொள்வர்.	K1, K2
CO2	தமிழின் தொன்மையையும், செம்மொழித் தகுதியையும் அறிந்து கொள்ளுதல்.	K2
CO3	நாடக இலக்கியம் மூலம் நடிப்பாற்றலையும், கலைத்தன்மையையும், படைப்பாற்றலையும் வளர்த்தல்.	K4
CO4	தமிழிலிருந்து அலுவலகக் கடிதங்களை மொழிபெயர்க்கும் அறிவைப் பெறுவர்.	K3
CO5	மொழியறிவோடு வேலை வாய்ப்பினைப் பெறுதல்.	K4

Text Books

1. தமிழ் இலக்கிய வரலாறு -செம்பதிப்பு- பெ.சுபாஷ் சந்திரபோஸ் பார்வை நூல்கள்.
2. தமிழ் இலக்கிய வரலாறு - சிற்பி.பாலசுப்பிரமணியன்.
3. புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு - தமிழண்ணல்
4. வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு - எஃப்.பாக்கியமேரி

Web Resources

Related Online Contents (MOOC, SWAYAM, NPTEL, Websites etc.)

1. Tamil Heritage Foundation- www.tamilheritage.org <<http://www.tamilheritage.org>>
Tamil virtual University Library-
2. www.tamilvu.org/library
3. <http://www.virtualvu.org/library> Project Madurai - www.projectmadurai.org.
4. Chennai Library- www.chennailibrary.com <<http://www.chennailibrary.com>>.
5. Tamil Universal Digital Library- www.ulib.prg <<http://www.ulib.prg>>.
6. Tamil E-Books Downloads- tamilebooks.com downloads. blogspot.com
7. Tamil Books on line- books.tamilcube.com
8. Catalogue of the Tamil books in the Library of British Congress archive.org
9. Tamil novels on line - books.tamilcube.com

பொதுத்தமிழ் —4

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CLO1	3	2	3	3	3	2	2	2	3	2	3	2
CLO2	3	3	2	2	2	3	2	3	3	2	2	2
CLO3	3	2	3	3	2	2	2	3	2	3	3	2
CLO4	2	3	3	2	2	2	3	2	3	2	3	3
CLO5	3	3	2	2	2	3	3	2	2	2	3	3

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
IV	23U4CCAE4	PART - II GENERAL ENGLISH	6	3

Learning Objectives		
LO1	To make students realize the importance of resilience	
LO2	To enable them to become good decision makers	
LO3	To enable them to imbibe problem-solving skills	
LO4	To enable them to use tenses appropriately	
LO5	To help the student use English effectively at the work place.	
Unit No.	Unit Title & Text	No. of Periods for the Unit
I	GOALSETTING(UNICEF) Life Story From Chinese Cinderella–Adeline Yen Mah Why I Write- George Orwell Short Essay On Personal Mastery–Robin Sharma On the Love of Life – William Hazlitt	20
II	INTEGRITY Short Story The Taxi Driver – K.S. Duggal Kabuliwala -Rabindranath Tagore A Retrieved Reformation –O Henry Extract from a play The Quality of Mercy (Trial Scene from the Merchant of Venice - Shakespeare)	20
III	COPING WITH EMOTIONS Poem Pride – Dahlia Ravikovitch Phenomenal Woman – Maya Angelou Reader’s Theatre The Giant’s Wife A Tall Tale of Irel and–William Carleton The Princess and the God :A Tale of Ancient India	20
IV	Language Competency Sentences Simple Sentences Compound Sentences Complex Sentences Direct and Indirect Speech	15
V	Report Writing Narrative Report Newspaper Report Drafting Speeches Welcome Address Vote of Thanks	15

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Course Outcomes

Course Outcomes	On completion of this course, students will;	
CO1	Determine their goals	PO1,PO7
CO2	Identify the value of integrity.	PO1,PO2,PO10
CO3	Deal with emotions.	PO4,PO6,PO9
CO4	Frame grammatically correct sentences	PO4,PO5,PO6
CO5	Write cohesive reports.	PO3,PO8

Text Books (Latest Editions)

1	Oxford Practice Grammar, John Eastwood, Oxford University Press
2	Cambridge Grammar of English, Ronald Carter and Michael McCarthy
3.	George Orwell Essays, Penguin Classics

Web Resources

1	http://www.gradesaver.com/George-orwell-essays/study/summary
2	O' Henry. A Retrieved Reformation. https://americanenglish.state.gov/files/ae/resource_files/a-retrieved-reformation.pdf
	Maya Angelou. Phenomenal Woman. https://www.poetryfoundation.org/poems/48985/phenomenal-woman
3	TheQuality ofMercy, https://poemanalysis.com
4	https://www.oxfordscholarlyeditions.com/display/10.1093/actrade/9780199235742.book.1/actrade-9780199235742-div1-106-WilliamHazlitt

Mapping with Programme Outcomes:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	2	3	2
CO2	2	3	3	3	2	3	3	2	2	2
CO3	3	3	3	2	3	3	3	2	3	2
CO4	3	3	3	3	3	3	3	2	2	2
CO5	3	2	3	3	3	3	3	2	2	3

3–Strong, 2–Medium, 1–Low

Mapping with Programme Specific Outcomes:

CO /PO	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3
CO2	3	3	3	3
CO3	3	3	3	3
CO4	3	3	3	3
CO5	3	3	3	3
Weight age	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0

3– Strong, 2 –Medium, 1-Low

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
IV	23U4CCACIM	Industry Module - Corporate Accounting - II	5	4

Nature of the course

Relevant to Local need		Employability Oriented		Addresses Professional Ethics	√
Relevant to national need		Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√		Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

To know the types of amalgamation
To gain an understanding about reconstruction
To know Final statements of banking companies
To understand the legal requirements of financial accounts
To have an insight on modes of winding up of a company

SYLLABUS

Unit	Content	Hours
I	Amalgamation, Absorption & External Reconstruction Amalgamation, Absorption and External Reconstruction - Purchase Consideration - Lump sum Method, Net Assets Method, Net Payment Method, Intrinsic Value Method - Types of Amalgamation (Excluding Inter-Company Holdings).	15
II	Alteration of Share Capital – & Internal Reconstruction Alteration of Share Capital – Modes of Alteration - Internal Reconstruction – Conversion of Stock – Increase and Decrease of Capital – Reserve Liability.	15
III	Accounting of Banking Companies Final Statements of Banking Companies (As Per New Provisions) - Non- Performing Assets - Rebate on Bills Discounted- Profit and Loss a/c - Balance Sheet as Per Banking Regulation Act 1949.	15
IV	Consolidated Financial Statements Introduction-Holding & Subsidiary Company-Legal Requirements Relating to Presentation of Accounts -Preparation of Consolidated Balance Sheet (Excluding Inter-Company Holdings).	15
V	Liquidation of Companies Meaning-Modes of Winding Up – Preparation of Statement of Affairs and Deficiency Accounts - Order of Payment – Liquidators Remuneration- Liquidator’s Final Statement of Accounts.	15

B.Com., (Computer Applications)

Textbooks

1	S.P.Jain and K.L Narang. Advanced Accountancy, Kalyani Publishers, New Delhi.
2	Dr.K.S.RamanandDr.M.A.Arulanandam , Advanced Accountancy, Vol. II, Himalaya Publishing house, Mumbai.
3.	R.L.GuptaandM.Radhaswamy, Advanced Accounts, Sultan Chand, New Delhi.
4.	M.C.Shukla and T.S.Grewal, Advanced Accounts Vol2 S Chand & Sons, New Delhi.
5.	T.S.Reddy and A.Murthy, Corporate Accounting II, Margham Publishers, Chennai

Reference Books

1	B.Raman, Corporate Accounting, Taxmann, New Delhi
2	M.C.Shukla, Advanced Accounting,S.Chand, New Delhi
3	Prof.MukeshBramhbutt, Devi Ahilya publication, Madhya Pradesh
4	Anil kumar, Rajesh kumar, Advanced Corporate Accounting, Himalaya Publishing house, Mumbai.
5	PrasanthAthma, Corporate Accounting, Himalaya Publishing house, Mumbai.

Web Resources

1	https://www.accountingnotes.net/amalgamation/amalgamation-absorption-and-reconstruction-accounting/12670
2	https://www.slideshare.net/debchat123/accounts-of-banking-companies
3	https://www.accountingnotes.net/liquidation/liquidation-of-companies-accounting/12862

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Understand the accounting treatment of amalgamation, absorption and external reconstruction	K1,K2
CO2	Apply and alter the share capital and internal reconstruction	K3,K4, K6
CO3	Do the accounting procedure of non-performing assets	K1,K2. K5
CO4	Give the consolidated accounts of holding companies	K5. K6
CO5	Prepare liquidator's final statements	K3,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze;K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	2	3	2	3	2	2
CO2	3	2	3	2	3	2	3	2	3	2	2
CO3	3	2	3	2	3	2	3	2	3	2	2
CO4	3	2	3	2	2	2	3	2	3	2	2
CO5	3	2	3	2	2	2	3	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;

1 - Weakly Correlated; 0 – No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
IV	23U4CCAC7	JAVA Programming Lab	3 + 3	4

Nature of the course

Employability Oriented	✓	Relevant to Local need		Addresses Gender Sensitization	
Entrepreneurship Oriented		Relevant to regional need		Addresses Environment and Sustainability	
Skill development Oriented	✓	Relevant to national need		Addresses Human Values	
		Relevant to Global development need	✓	Addresses Professional Ethics	✓

Course Objectives

The main objectives of this course are to:

- | |
|--|
| 5. Practice object-oriented programs and build java applications. |
| 6. Implement java programs for establishing interfaces. |
| 7. Implement sample programs for developing reusable software components |

LIST OF PRACTICALS

JAVA LAB

1. Write a Java program that prompts the user for an integer and then prints out all the prime numbers up to that Integer?
2. Write a Java program to multiply two given matrices.
3. Write a Java program that displays the number of characters, lines and words in a text?
4. Generate random numbers between two given limits using Random class and print messages according to the range of the value generated.
5. Write a program to do String Manipulation using Character Array and perform the following string operations:
 - a) String length
 - b) Finding a character at a particular position
 - c) Concatenating two strings
6. Write a program to perform the following string operations using String class:
 - a) String Concatenation
 - b) Search a substring
 - c) To extract substring from given string
7. Write a program to perform string operations using StringBuffer class:
 - a) Length of a string
 - b) Reverse a string
 - c) Delete a substring from the given string
8. Write a java program that implements a multi-thread application that has three threads. First thread generates random integer every 1 second and if the value is even, second thread computes the square of the number and prints. If the value is odd, the third thread will print the value of cube of the number.
9. Write a threading program which uses the same method asynchronously to print the numbers 1 to 10 using Thread1 and to print 90 to 100 using Thread2.

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10. Write a program to demonstrate the use of following exceptions.
- Arithmetic Exception
 - Number Format Exception
 - Array Index Out of Bound Exception
 - Negative Array Size Exception

TEXT BOOK:

1. Herbert Schildt, The Complete Reference, Tata McGraw Hill, New Delhi, 7th Edition, 2010. Gary Cornell, Core Java 2 Volume I – Fundamentals, Addison Wesley, 1999.

REFERENCE BOOKS:

Head First Java, O’Rielly Publications, Y. Daniel Liang, Introduction to Java Programming, 7th Edition, Pearson Education India, 2010.

Web Resources

Web resources from NDL Library, E-content from open-source libraries

Pedagogy: Teaching / Learning methods

- Lecture
- Tutorial
- Assignment
- PPT presentation
- Seminar

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Code, debug and execute Java programs to solve the given problems.	K1, K2, K3, K4
CO2	Implement multi-threading and exception-handling	K2, K3, K4
CO3	Implement functionality using String and String Buffer classes	K3, K4, K6
CO4	Demonstrate Event Handling.	K5
CO5	Create applications using Swing and AWT	K3, K4, K5

Cognitive Level: K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	3	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	2	3	3	3	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
II & IV	23U4CCAA5	Allied - JAVA Programming (NS)	3 + 3	3

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√			Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To get in-depth Knowledge about the evolution of java and its Features
Bring out the difference and similarities between C, C++ and java.
Develop programmers in Java with its special Features.
To apply the exception handling in Programming
Implementing the code in internet using Applet with AWT controls.

SYLLABUS

Unit	Content	Hours
I	Introduction to Java - Features of Java – Java Environment - Lexical Issues or tokens- Data Types - Variables - Arrays - Operators – Conditional Statements-Iterative Statements-General Structure of a Java Program.	9
II	Classes and Objects – Fields and Methods Declaration -Constructors – Method Overloading - Static keyword - Final keyword -String Class - String Buffer Class. Java Utilities: Scanner, Stack, Date, Vector, Enumeration. Inheritance: Keyword extends-Types of Inheritance–Keyword super- Overriding of methodsAbstract class and methods.	9
III	User-Defined Packages: Creating and accessing Packages. Interface: Defining Interface-Keyword implements -Multiple Inheritance using Interface. Threads: Introduction- Thread States or life cycle of threadCreation of threads using Thread class and Runnable interface –Thread methods -Thread Priorities -Thread Synchronization.	9
IV	Exception Handling: Types of errors - Syntax of Exception handling code – Built-in Exceptions – Multiple catch statements – Nested try block – Finally statement- Throwing our own exception using throw – Method throwing exception using throws keyword - Managing Errors.	9
V	Applets: Difference between applet and application -Applet life cycle - Building Applet code using Applet tag – Passing parameters to AppletsDrawing various shapes using Graphics Class. AWT Controls: Buttons, Labels, TextField, TextArea, Choice, CheckBox, List, ScrollBar and Layout Managers.	9

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Textbooks

1	E. Balagurusamy, “Programming with Java”, Fourth Edition, 2010, Tata McGraw-Hill
2	P Radha Krishna, “Object Oriented Programming through Java”, Second Edition, 2007, Universities Press.
3.	John R Hubbard, Programming with Java – Schuam’s Outline Series

Reference Books

1	K. Arnold and J. Gosling, “The Java Programming Language”, Second Edition, 1996, Addison Wesley
2	P. Naughton and H. Schildt, “Java2 (The Complete Reference)”, Eight Edition, 2005, Tata McGraw Hill
3	Kathy Sierra and Bert Bates, “Head First Java”, Second Edition, 2003, Oreilly

Web Resources

1	www.tutorialspoint.com/java/java-quick-guide.htm
2	www.ntu.edu.sg/home/ehchua/programming/java/J3a_OOPBasics.html
3	www.tutorialspoint.com/java/java_overview.htm

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Importance of Java comparing the other language.	K1,K2
CO2	Develop program using constructors and its types.	K3,K4, K6
CO3	Implementing the concept Exception handling various application.	K1,K2. K5
CO4	Analyzing different types of inheritance .	K5. K6
CO5	Life Build Applet code using AWT controls and Layout managers	K3,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	2	3	2	3	2	2
CO2	3	2	2	2	3	2	3	2	3	2	2
CO3	3	2	3	2	3	2	3	2	3	2	2
CO4	3	2	2	2	2	2	3	2	3	2	2
CO5	3	2	3	2	2	2	3	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;

1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
IV	23U4CCAA6	ALLIED - BUSINESS MATHEMATICS AND STATISTICS	3	3

Nature of the course

Employability Oriented	✓	Relevant to Local need		Addresses Gender Sensitization	
Entrepreneurship Oriented		Relevant to regional need		Addresses Environment and Sustainability	
Skill development Oriented	✓	Relevant to national need		Addresses Human Values	
		Relevant to Global development need	✓	Addresses Professional Ethics	

Course Objectives

The main objectives of this course are to:

- To introduce the concepts of correlation and regression.
- To impart the knowledge of spread of the distribution using measure of central tendency and dispersion.
- To teach the concepts of solution of system of linear equation by Cramer's rule.

SYLLABUS

Unit	Content	No. of Hours
I	Matrices: Different types of matrices – addition and subtraction of matrices – Multiplication of matrices – Transpose of matrix - elementary operations – Determinants – solution of system of linear equation by Cramer's rule (simple problems only). <i>Self-study: minor and cofactor</i>	15
II	Set Theory: Definition – Notation – Description of sets – types of sets – Venn diagram – Set operations – Laws and properties of sets – Commutative laws – Associative Laws – Distributive Laws – De Morgan's Laws	15
III	Measures of Central Tendency: Arithmetic Mean (step deviation method excluded), Median, Mode, Geometric Mean and Harmonic Mean	15
IV	Measures of Dispersions: Range – Quartile deviation – mean deviation – standard deviation (Direct methods and simple problems only).	15
V	Correlation and Regression Analysis: Correlation – Karl Pearson coefficient of correlation – Spearman's rank correlation – Simple linear regression – two regression lines.	15

***Note:** Questions may be asked from the *Self-Study* content for only CIA test (Mid and End semesters) and **NOT** for the external (Semester Examinations)

Textbook:

1. **Business Mathematics and Statistics** (Part - I Business Mathematics),
PA. Navaneethan, Jai Publishers, 2018.
2. **Business Mathematics and Statistics** (Part - II Business Mathematics),
PA. Navaneethan, Jai Publishers, 2018.

Unit	Text Book	Chapter	Pages
I	1	Chapter: 4	147-173
II	1	Chapter: 3	104-126
III	1	Chapter: 7	159-181,196-209,212-227,251-260
IV	1	Chapter:4	301-328,331-332,336-337
V	2	Chapter 12,13	503-521,540-553

References:

1. *S.P. Gupta – Statistical Methods – Sultan Chand & Sons*
2. *C.B. Gupta – An Introduction to Statistical Methods – Vikas Publications*

Web Resources:

1. <https://www.cuemath.com/algebra/solve-matrices/>
2. <https://www.knowledgehut.com/blog/data-science/dispersion-in-statistics>

Pedagogy: Teaching / Learning methods:

Chalk and Board, Virtual Class room, LCD projector, Video Conference, Guest Lectures, Tutorial, Assignment, Seminar. Library, Net Surfing, NPTEL Course Materials, Use of Mathematical software.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember the knowledge about the concepts of matrix.	K1
CO2	Draw Venn diagram and use Venn diagram to solve problems, understand subsets and proper subsets that can be formed from a universal set	K6,K2
CO3	Analyze statistical data using measures of central tendency	K4
CO4	Analyze statistical data using measures of dispersions	K4
CO5	Use basic statistical methods such us Correlation and Regression	K3

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes

PO/PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	2	3	3	2	3	3	3	2	3
CO2	3	2	3	3	3	3	2	2	3	3	3
CO3	3	3	3	2	3	3	2	2	3	3	1
CO4	2	3	3	1	2	3	3	3	2	1	2
CO5	3	1	2	2	3	3	1	2	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
IV	23U4CCASEC1	Skill Enhancement Course – Digital Literacy in Computer Application ADVANCED EXCEL LAB	2	2

Nature of the course

Relevant to Local need	✓	Employability Oriented	✓	Addresses Professional Ethics	✓
Relevant to national need	✓	Entrepreneurship Oriented	✓	Addresses Gender Sensitization	
Relevant to regional need		Skill development Oriented	✓	Addresses Environment and Sustainability	
Relevant to Global need	✓			Addresses Human Values	

Course Objectives

The main objectives of this course are:

- | |
|---|
| 1. To Understand the Work with big data tools and its analysis techniques. |
| 2. To gain knowledge on Analyze data by utilizing clustering and classification algorithms. |
| 3. To understand the concepts of data base management system, design simple Database model |

SYLLABUS

Unit	Content	No. of Hours
I	Basics of Excel- Customizing common options- Absolute and relative cells- Protecting and un-protecting worksheets and cells- Working with Functions - Writing conditional expressions - logical functions - lookup and reference functions- Vlookup with Exact Match, Approximate Match- Nested Vlookup with Exact Match- Vlookup with Tables, Dynamic Ranges- Nested Vlookup with Exact Match- Using Vlookup to consolidate Data from Multiple Sheets	15
II	Data Validations - Specifying a valid range of values - Specifying a list of valid values- Specifying custom validations based on formula - Working with Templates Designing the structure of a template- templates for standardization of worksheets - Sorting and Filtering Data -Sorting tables- multiple-level sorting- custom sorting- Filtering data for selected view - advanced filter options- Working with Reports Creating subtotals- Multiple-level subtotal	15

Pedagogy: Teaching / Learning methods
Lecture, Tutorial, Assignment, PPT presentation,

Textbooks	
1	PeterNorton,“IntroductiontoComputers”–TataMcGraw-Hill..
2	Jennifer Ackerman Kettel, Guy Hat-Davis, Curt Simmons, “Microsoft 2003”, Tata McGrawHill.
Reference Books	
1	Excel 2019 All-in-One for Dummies, Greg Harvey, 1st edition
NOTE: Latest Edition of Textbooks May be Used	
Web Resources	
1	https://www.simplilearn.com
2	https://www.javatpoint.com
3	https://www.w3schools.com

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	understand Handle large amounts of data and Filtering, sorting, and grouping data or subsets of data	K1, K2, K3,K4
CO2	Understand the Create pivot tables to consolidate data from multiple files	K3, K,5,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	POs						PSOs		
	1	2	3	4	5	6	1	2	3
CO 1	3	3	3	3	3	3	3	2	3
CO 2	3	3	3	3	3	2	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
V	23U5CCAC8	COST ACCOUNTING – I	5	5

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√			Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To understand the various concepts of cost accounting.
To prepare and reconcile Cost accounts.
To gain knowledge regarding valuation methods of material.
To familiarize with the different methods of calculating labour cost.
To know the apportionment of Overheads.

SYLLABUS

Unit	Content	Hours
I	Introduction of Cost Accounting Definition-Nature and Scope – Principles of Cost Accounting – Cost Accounting and Financial Accounting - Cost Accounting Vs Management Accounting –Installation of Costing System –Classification of Costs– Cost Centre– Profit Centre - Preparation of Cost Sheet.	15
II	Cost Sheet and Methods of Costing Preparation of Cost Sheet - Tenders & Quotations - Reconciliation of Cost and Financial Accounts –Unit Costing-Job Costing.	15
III	Material Costing Material Control – Meaning and Objectives – Purchase of Materials – EOQ –Stores Records – Reorder Levels – ABC Analysis - Issue of Materials –Methods of Issue – FIFO – LIFO – Base Stock Method – Specific Price Method – Simple and Weighted Average Method.	15
IV	Labour Costing Direct Labour and Indirect Labour – Time Keeping – Methods and Calculation of Wage Payments – Time Wages – Piece Wages – Incentives – Different Methods of Incentive Payments - Idle time–Overtime – Labour Turnover - Meaning, Causes and Measurement.	15
V	Overheads Costing Overheads – Definition – Classification – Allocation and Apportionment of Overheads – Basis of Apportionment – Primary and Secondary Distribution - Absorption of Overheads – Methods of absorption Preparation of Overheads Distribution Statement – Machine Hour Rate – Computation of Machine Hour Rate.	15

B.Com., (Computer Applications)

Textbooks

1	Jain S.P. and Narang K.L, Cost Accounting. Kalyani Publishers, New Delhi
2	Khanna B.S., Pandey I.M., Ahuja G.K., and Arora M.N., Practical Costing, S. Chand & Co, New Delhi,
3	Dr.S.N.Maheswari, Principles of Cost Accounting, Sultan Chand Publications, New Delhi
4	T.S.Reddy and Y. Hari Prasad Reddy, Cost Accounting, Margham publications, Chennai
5	S.P. Iyengar, Cost Accounting, Sultan Chand Publications, New Delhi

Reference Books

1	Polimeni, Cost Accounting: Concepts and Applications for Managerial Decision Making, 1991, McGraw–Hill, New York.
2	Jain S.P. and Narang K.L. Cost Accounting, Latest Edition.2013, Kalyani Publishers, New Delhi,
3	V.K.Saxena and C.D.Vashist, Cost Accounting, Sultan Chand publications, New Delhi
4	Murthy A &GurusamyS, Cost Accounting, Vijay Nicole Imprints Pvt .Ltd .Chennai
5	Prasad.N.K and Prasad.V.K, Cost Accounting, Book Syndicate, Kolkata

Web Resources

1	https://study.com/learn/lesson/cost-accounting-principles-examples-what-is-cost-accounting.html
2	https://www.accountingtools.com/articles/what-is-material-costing.html
3	https://www.freshbooks.com/hub/accounting/overhead-cost

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember and recall the various concepts of cost accounting	K1,K2
CO2	Demonstrate the preparation and reconciliation of cost sheet.	K3,K4, K6
CO3	Analyze the various valuation methods of material.	K1,K2. K5
CO4	Examine the different methods of calculating labour cost.	K5. K6
CO5	Critically evaluate the apportionment of Overheads.	K3,K6

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze;**K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	2	2	2	3	2	2
CO2	3	2	2	2	2	2	2	2	3	2	2
CO3	3	2	3	2	2	2	2	2	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	2	3	2	2	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;

1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
V	23U5CCAC9	Banking Law and Practice	5	5

Nature of the course

Relevant to Local need		Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need			Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

To help the students understand various provision of Banking Regulation Act 1949 applicable to banking companies including cooperative banks
To trace the evolution of central bank concept and prevalent central banking system around the world and their roles and function
To throw light on Central Bank in India, its formation, nationalizing its organization structure, role of bank to government, role in promoting agriculture and industry, role in financial inclusion
To understand how capital fund of commercial banks, objectives and process of Asset securitization etc
To explore practical banking systems relationship of bankers and customers, crossing of cheques, endorsement etc.

SYLLABUS

Unit	Content	Hours
I	Introduction to Banking History of Banking- Provisions of Banking Regulations Act 1949 - Components of Indian Banking - Indian Banking System-Phases of Development - Banking Structure in India - Payment Banks and Small Banks - Commercial Banking: Definition - Classification of Banks. Banking System - Universal Banking - Commercial Banking functions - Role of Banks in Economic Development. Central Banking: Definition – Need - Principles- Central Banking Vs Commercial Banking - Functions of Central Bank.	15
II	RBI Establishment – objective - Legal framework – Functions – SBI - Origin and History – Establishment Indian subsidiaries - Foreign subsidiaries - Non-Banking-Subsidiaries-Personal banking International banking-Trade Financing-Correspondent banking - Co-operative banks-Meaning and definition-Features-Co-operative banks vs Commercial banks-Structure.-NBFC-Role of NBFCRBI Regulations-Financial sector reforms-Sukhmoy committee 1985-Narasimham committee I and II-Prudential norms:	15

B.Com., (Computer Applications)

	capital adequacy norms-classification of assets and provisioning – Meaning, Structure of Interest Rates - Short term and Long Term – Impacts of Savings and Borrowings.	
III	Bank Account Opening – Types of Accounts-FDR-Steps in opening Account-Saving vs Current Account-‘Donatio Mortis Causa’-Passbook-Bank Customer Relationship-Special Types of currents –KYC norms. Bank Lending – Lending Sources-Bank Lending Principles-Forms of lending-Loan evaluation process-securities of lending-Factors influencing bank lending – Negotiable Instruments –Meaning –Characteristics-Types. Crossing – Definition –Objectives-Crossing and negotiability-Consequences of Crossing.	15
IV	Endorsement Meaning-Components-Kinds of Endorsements-Cheques payable to fictitious person Endorsement by legal representative –Negotiation bank-effect of endorsement-Rules regarding Endorsement - Paying banker-Banker’s duty-Dishonouring of Cheques-Discharge of paying banks Payments of a crossed cheque payment. Collecting bankers-Statutory protection under section85 - Refusal of cheques Payment. Collecting Banker-Statutory protection under section 131-Collecting bankers’ duty – RBI instruction –Paying Banker Vs Collecting Banker- Customer grievances-Grievance Redressal –Banking Ombudsman.	15
V	E-Banking Meaning-Services-e-banking and Financial services- Initiatives-Opportunities-Internet banking Meaning-Internet banking Vs Traditional banking-Services-Drawbacks-Frauds in Internet banking. Mobile banking–Anywhere Banking-Any Time Banking- Electronic Mobile Wallets. ATM Evolution -Concept-Features - Types-. Electronic money-Meaning-Categories-Merits of e-money - National Electronic Funds Transfer (NEFT) Real Time Gross Settlement (RTGS)Difference between NEFT & RTGS- Meaning- Steps–Benefits-Monetary policies- final sector reforms- Chakravarthy committee 1985- Narasimham Committee I &II Prudential norms capital adequacy norms- classification of assets & provisions.	15

Textbooks

1	Banking Theory: Law and Practice, Vijay Nicole Publication, Chennai
2	Muraleedharan, Modern Banking: Theory and Practice, Prentice Hall India Learning Private Ltd, New Delhi
3	Gupta P.K. Gordon E.Banking and Insurance, Himalaya publication, Kolkata
4	Gajendra,A Text on Banking Theory Law & Practice, Vrinda Publication, Delhi
5	K P Kandasami, S Natarajan&Parameswaran, Banking Law and Practice, S Chand publication, New Delhi

Reference Books

1	B. Santhanam, Banking & Financial System, Margam Publication, Chennai
2	Katait Sanjay , Banking Theory and Practice, Lambert Academic Publishing,
3	Henry Dunning Macleod, The Theory and Practice Of Banking, Hard Press Publishing, Old New Zealand

B.Com., (Computer Applications)

4	William Amasa Scott, Money and Banking: An Introduction To The Study Of Modern Currencies, Kesinger publication, USA
5	Nektarios Michail, Money, Credit, and Crises: Understanding the Modern Banking System, Palgrave Macmillan, London

Web Resources

1	https://www.rbi.org.in/
2	https://businessjargons.com/e-banking.html
3	https://www.wallstreetmojo.com/endorsement/

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Aware of various provision of Banking Regulation Act 1949 applicable to banking companies including cooperative banks	K1,K2
CO2	Analyse the evolution of Central Banking concept and prevalent Central Banking system in India and their roles and function	K3,K4, K6
CO3	Gain knowledge about the Central Bank in India, its formation, nationalizing its organization structure, role of bank to government, role in promoting agriculture and industry, role in financial inclusion	K1,K2. K5
CO4	Evaluate the role of capital fund of commercial banks, objectives and process of Asset securitization etc	K5. K6
CO5	Define the practical banking systems relationship of bankers and customers, crossing of cheques, endorsement etc.	K3,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze;K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	2	2	3	3	2
CO2	3	2	2	2	3	2	2	2	3	3	2
CO3	3	2	3	2	3	2	2	2	3	3	2
CO4	3	2	2	2	3	2	2	2	3	3	2
CO5	3	2	3	2	3	2	2	2	3	3	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
V	23U5CCAC10	Income Tax Theory, Law and Practice - I	5	5

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√		Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

To understand the basic concepts & definitions under the Income Tax Act, 1961.
To compute the residential status of an assessee and the incidence of tax.
To compute income under the head salaries.
To learn the concepts of Annual value, associated deductions and the calculation of income from House property.
To compute the income from Business & Profession considering its basic principles & specific disallowances.

SYLLABUS

Unit	Content	Hours
I	Introduction to Income Tax Introduction to Income Tax – History – Objectives of Taxation - Features of Income Tax – Meaning of Income – Types – Important Definitions Under the Income Tax Act – Assessee – Types– Incomes Exempted under Section 10.	15
II	Residential Status Residential Status – Residential Status of an Individual – Company – HUF – Basic Conditions – Additional Conditions – Incidence of Tax and Residential Status – Problems on Residential Status and Incidence of Tax.	15
III	Income from Salary Computation of Salary Income – Features of Salary – Allowances – Types of Allowances - Perquisites – Kinds of Perquisites –Types of Provident Fund - Gratuity – Pension – Commutation of Pension – Deduction of Salary - Profits in Lieu of Salary.	15
IV	Income from House Property Income from House Property –Basis of Charge – Annual Value –Gross Annual Value, Net Annual Value of Let-out Property, Self- Occupied Property–Amenities–Deductions.	15
V	Profits and Gains from Business or Profession Income from Business or Profession – Allowable Expenses – Not	15

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	Allowable Expenses - General Deductions – Provisions Relating to Depreciation – Deemed Business Profits - Undisclosed Incomes – Investments – Compulsory Maintenance of Books of Accounts – Audit of Accounts of Certain Persons – Special Provisions for Computing Incomes on Estimated Basis – Computation of Income from Business or Profession.	
Total		75

Textbooks

1	V.P.Gaur, Narang, Puja Gaur and Rajeev Puri - Income Tax Law and Practice, Kalyani Publishers, New Delhi.
2	T.S.Reddy and Hariprasad Reddy, Income Tax Law and Practice, Margham Publications, Chennai.
3	DinkarPagare, Income Tax Law and Practice, Sultan & Chand Sons, New Delhi.
4	H.C. Mehrotra, Dr.GoyalS.P,Income Tax Law and Accounts, SahityaBhavan Publications, Agra.
5	T. Srinivasan – Income Tax & Practice –Vijay Nicole Imprints Private Limited , Chennai.

Reference Books

1	Hariharan N, Income Tax Law & Practice, Vijay Nicole Imprints Pvt. Ltd. Chennai
2	Bhagwati Prasad, Income Tax Law and Practice, VishwaPrakasan. New Delhi.
3	Vinod K. Singhanian, Students Guide to Income Tax.,U.K.Bharghava Taxman.
4	Dr.Vinod K Singhanian, Dr. Monica Singhanian, Taxmann's Students' Guide to Income Tax, New Delhi.
5	Mittal PreethiRaniandBansalAnshika, Income Tax Law and Practice, Sultan & Chand Sons, New Delhi.

Web Resources

1	https://cleartax.in/s/residential-status/
2	https://www.legalraasta.com/itr/income-from-salary/
3	https://taxguru.in/income-tax/income-house-properties.html

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Demonstrate the understanding of the basic concepts and definitions under the Income Tax Act.	K1,K2
CO2	Assess the residential status of an asses see& the incidence of tax.	K3,K4, K6
CO3	Compute income of an individual under the head salaries.	K1,K2. K5
CO4	Ability to compute income from house property.	K5. K6
CO5	Demonstrate the understanding of the basic concepts and definitions under the Income Tax Act.	K3,K6

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze;**K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
C01	3	2	3	2	3	2	2	2	3	3	2
C02	3	2	2	2	2	2	2	2	3	2	2
C03	3	3	3	2	3	2	2	2	3	3	2
C04	3	2	2	2	2	2	2	2	3	3	2
C05	3	3	3	2	3	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
V	23U5CCAEL1A	Major Elective – I PYTHON PROGRAMMING LAB	4	3

Nature of the course

Employability Oriented	✓	Relevant to Local need		Addresses Gender Sensitization	
Entrepreneurship Oriented		Relevant to regional need		Addresses Environment and Sustainability	
Skill development Oriented	✓	Relevant to national need		Addresses Human Values	
		Relevant to Global development need	✓	Addresses Professional Ethics	✓

Course Objectives

The main objectives of this course are to:

8. Acquire programming skills in core Python.
9. Acquire Object-oriented programming skills in Python.
10. Develop the skill of designing graphical-user interfaces (GUI) in Python.
11. Develop the ability to write database applications in Python.
12. Acquire Python programming skills to move into specific branches

LIST OF PRACTICALS

PYTHON LAB

1. Program to convert the given temperature from Fahrenheit to Celsius and vice versa depending upon user's choice.
2. Write a Python program to construct the following pattern, using a nested loop

```

*
**
***
****
*****
****
***
**
*
```
3. Program to calculate total marks, percentage and grade of a student. Marks obtained in each of the five subjects are to be input by user. Assign grades according to the following criteria:
Grade A: Percentage ≥ 80 Grade B: Percentage ≥ 70 and < 80
Grade C: Percentage ≥ 60 and < 70 Grade D: Percentage ≥ 40 and < 60
Grade E: Percentage < 40
4. Program, to find the area of rectangle, square, circle and triangle by accepting suitable input parameters from user.
5. Write a Python script that prints prime numbers less than 20.
6. Program to find factorial of the given number using recursive function.

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7. Write a Python program to count the number of even and odd numbers from array of N numbers.
8. Write a Python class to reverse a string word by word.
9. Read a file content and copy only the contents at odd lines into a new file.
10. Create a Turtle graphics window with specific size.

TEXT BOOK:

1. Charles Dierbach, “Introduction to Computer Science using Python - A computational Problem-solving Focus”, Wiley India Edition, 2015.
2. Wesley J. Chun, “Core Python Applications Programming”, 3rd Edition , Pearson Education, 2016

REFERENCE BOOKS:

3. Mark Lutz, “Learning Python Powerful Object Oriented Programming”, O’reilly Media 2018, 5th Edition.
4. Timothy A. Budd, “Exploring Python”, Tata MCGraw Hill Education Private Limited 2011, 1 st Edition.

Web Resources

1. [https:// www.codechef.com](https://www.codechef.com)
2. <http://www.cs.cmu.edu>
3. <https://www.geeksforgeeks.org>

Pedagogy: Teaching / Learning methods

1. Lecture
2. Tutorial
3. Assignment
4. PPT presentation
5. Seminar

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	To understand the problem solving approaches	K1, K2, K3, K4
CO2	To learn the basic programming constructs in Python	K2, K3, K4, K5
CO3	To practice various computing strategies for Python-based solutions to real world problems	K2, K3, K4, K6
CO4	To use Python data structures - lists, tuples, dictionaries.	K2, K3, K6
CO5	To do input/output with files in Python.	K3, K4, K5

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	3	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	2	3	3	3	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
V	23U5CCAEL1B	Major Elective – I UML LAB	4	3

Nature of the course

Employability Oriented	✓	Relevant to Local need		Addresses Gender Sensitization	
Entrepreneurship Oriented		Relevant to regional need	✓	Addresses Environment and Sustainability	
Skill development Oriented	✓	Relevant to national need		Addresses Human Values	
		Relevant to Global development need	✓	Addresses Professional Ethics	✓

Course Objectives

The main objectives of this course are to:

- To Acquire programming skills in UML
- To get familiarized to the usage of UML tool kit.
- To understand the requirements of the software and to map them appropriately to subsequent phases of the software development
- To develop the ability to verify and validate their designs

LIST OF PRACTICALS

Using UML tools produce analysis and design models for

- a. Library Management System
- b. Automatic Teller Machine
- c. Student Information Management
- d. Matrimony Service
- e. Stock Management System

TEXT BOOK:

1. Ali Bahrami, “Object Oriented System Development”, McGraw-Hill International Edition 2017.
2. Martin Fowler, Kendall Scott, "UML Distilled", Addison Wesley
3. Eriksson, "UML Tool Kit", Addison Wesley

REFERENCE BOOKS:

1. Booch G., “Object oriented analysis and design”, Addison- Wesley Publishing Company 3 rd edition
2. Rumbaugh J, Blaha.M. Premeriani, W., Eddy F and Loresen W., “Object Oriented Modeling and Design”, PHI.

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Web Resources

- 1 NPTEL online course
2. <http://www.cs.cmu.edu>

Pedagogy: Teaching / Learning methods

1. Lecture
2. Tutorial
3. Assignment
4. PPT presentation
5. Seminar

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	To understand the problem solving approaches	K1, K2, K3, K4
CO2	To learn the basic programming constructs in UML	K2, K3, K4, K5
CO3	The students should be able to specify software requirements, design the software using tools	K2, K3, K4, K6
CO4	To write test cases using different testing techniques	K2, K3, K6
CO5	To do input/output with files in UML	K3, K4, K5

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	3	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	2	3	3	3	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
V	23U5CCAEL2A	Major Elective – II MOBILE COMPUTING	4	3

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√			Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To understand the basic concepts of mobile computing
To familiarize with the network protocol stack
To learn the basics of telecommunication strategy
Be exposed to Ad-Hoc networks
To gain knowledge about different mobile platforms and application development

SYLLABUS

Unit	Content	Hours
I	Introduction-Mobile Computing – Mobile Computing Applications – Generations of Mobile computing – Structure of Mobile Computing Application. MAC Protocols – Wireless MAC Issues – Fixed Assignment Schemes – Random Assignment Schemes – Reservation Based Schemes.	12
II	Mobile Ad-Hoc Networks-Ad-Hoc Basic Concepts – Characteristics – Applications – Design Issues – Routing – Essential of Traditional Routing Protocols –Popular Routing Protocols – Vehicular Ad Hoc networks (VANET) – MANET Vs VANET –Security.	12
III	Mobile Telecommunication System-Global System for Mobile Communication (GSM) – — Services & Architecture — Protocols — Connection Establishment -General Packet Radio Service (GPRS) – Universal Mobile Tele communication System (UMTS). Architecture — Handover — Security.	12
IV	Mobile Internet Protocol and Transport Layer-Overview of Mobile IP – Features of Mobile IP – Key Mechanism in Mobile IP – route Optimization. Overview of TCP/IP – Architecture of TCP/IP Adaptation of TCP Window – Improvement in TCP Performance.	12
V	Mobile Platforms and Applications-Mobile Device Operating Systems – Special Constrains & Requirements – Commercial Mobile Operating Systems – Software Development Kit: iOS, Android, BlackBerry, Windows Phone – M-Commerce – Structure– Pros & Cons – Mobile Payment System – Security Issues.	12

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Textbooks

1	Jochen Schiller, “Mobile Communications”, PHI/Pearson Education, Second Edition, 2003. (Unit I Chap 1,2 &3- Unit II chap 4,5 &6-Unit III Chap 7.Unit IV Chap 8- Unit V Chap 9&10.)
2	William Stallings, “Wireless Communications and Networks”, PHI/Pearson Education, 2002. (Unit I Chapter – 7&10-Unit II Chap 9)
3	Kaveh Pahlavan, Prasanth Krishnamoorthy, “Principles of Wireless Networks”, PHI/Pearson Education, 2003.

Reference Books

1	UweHansmann, LotharMerk, Martin S. Nicklons and Thomas Stober, “Principles of Mobile Computing”, Springer, New York, 2003.
2	Hazyszt of Wesolowshi, “Mobile Communication Systems”, John Wiley and Sons Ltd, 2002.

Web Resources

1	https://www.google.co.in/books/edition/FUNDAMENTALS_OF_MOBILE_COMPUTING_Second/NREACwAAQBAJ?hl=en&gbpv=1&dq=mobile%20computing&pg=PP1&printsec=frontcover
2	https://www.google.co.in/books/edition/Mobile_Computing/LSqPLwEACAAJ?hl=en
3	https://www.google.co.in/books/edition/Mobile_Computing/psAgAQAAIAAJ?hl=en&gbpv=1&bsq=mobile+computing&dq=mobile+computing&printsec=frontcover

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Paraphrase the mobile computing	K1,K2
CO2	Analyze the different networks and designs issues	K3,K4, K6
CO3	Acquire the knowledge on the mobile telecommunication systems	K1,K2. K5
CO4	Apply the mobile Internet protocol and transport layer	K5. K6
CO5	Enhance the skills on the different platforms and application models	K3,K6

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze;**K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	2	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
V	23U5CCAEL2B	Major Elective – II Management Information Systems	4	3

Nature of the course

Relevant to Local need		Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need		Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√		Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

To understand the management information system
To explore the system concepts and to identify the characteristics of system
To analyse the transaction processing system
To apply the database management systems and architecture networks
To estimate the functional management information systems

SYLLABUS		
Unit	Content	Hours
I	Management information system: meaning – features – requisites of an effective MIS – MIS Model – components – subsystems of an MIS – role and importance – corporate planning for MIS – growth of MIS in an organization – centralization vs decentralization of MIS. Support – Limitations of MIS.	12
II	System concepts – elements of system – characteristics of a system – types of system – categories of information system – system development life cycle – system enhancement.	12
III	Information systems in business and management: Transaction processing system: Information repeating and executive information system.	12
IV	Database management systems – conceptual presentation – client server architectures networks.	12
V	Functional management information system: Financial – accounting – marketing – production – Human resource – business process outsourcing.	12

Textbooks

1	Gordon B. Davis And MaggretheH . Olson , Management Information Systems , McGraw Hill International Edition - Second Edition , 1998
2	Rober G .Mudrick , Joel E . Ross And James R .CIA GGET , Information Systems For Modern Management , 33Rd Edition , 1992 , Prentice Hall Of India (P) Ltd ., Eastern Economy Edition .
3	Jerome Kanter Management Information Systems, 3 Edition , 1990 . Prentice Hall Of India Ltd. ,Eastern Economy Edition

Reference Books

1	James A. O'Brien, Management information systems, McGraw Hill, 2002
2	BagchiNirmalya, Management Information systems, Vikas Publications, 2010
3	IndrajitChattarjee, Management information systems, PHI Learning, 2010

Web Resources

1	https://mrcet.com/downloads/digital_notes/CSEIOT/MANAGEMENT%20INFORMATI ON%20SYSTEMS.pdf
2	https://portal.abuad.edu.ng/lecturer/documents/1584984045MIS_Lecture_Note_1.pdf
3	https://www.tutorialspoint.com/management_information_system/management_informati on_system.htm

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Paraphrase the characteristics of Management information system	K1,K2
CO2	Describe the elements and characteristics of system	K3,K4, K6
CO3	Enumerate the application of information system in business	K1,K2. K5
CO4	Explain the database management system	K5. K6
CO5	Elaborate the functional management information system in financial, accounting, marketing and production.	K3,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze;K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	2	3	3	3	2	2
CO2	3	2	2	3	2	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	3	3	3	3	2	3	3	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
V	23U5CCANME	Non Major Elective - FUNDAMENTALS OF BANKING	2	2

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√		Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

To help the students understand various provision of Banking Regulation Act 1949 applicable to banking companies including cooperative banks
To explore practical banking systems relationship of bankers and customers, crossing of cheques, endorsement etc.

SYLLABUS

Unit	Content	No. of Hours
I	Meaning, Definition of bank and banking - significance, Evolution of Banking - Banking system in India: Central Bank of India - Commercial Banks - Indigenous bankers - Women bank - Payments bank - Small Finance banks - Regional Rural Banks - Foreign banks - Private sector banks - Development banks: Industrial and Agriculture development Banks – Banking sector reforms - Post reforms Position - Impact of reforms.	15
II	Traditional banking vs e-banking, Electronic Delivery channels - Debit and Credit cards - Smart Card – ATM - Types of ATM: White label, Brown label, Green label, Orange label, Pink label ATM - Facets of e-banking – E - banking transactions - Truncated cheque and electronic cheque - Mobile banking - Electronic Fund Transfer: Interbank funds Transfer Processor (IFTP), Immediate payment service (IMPS) – National Electronic Fund Transfer (NEFT) and Real Time Gross Settlement (RTGS) – Difference between IMPS, RTGS, NEFT. UPI and Mobile Wallets. Virtual currency - Crypto currency - Bit coin.	15

B.Com., (Computer Applications)

Textbooks	
1	Gurusamy S, Banking Theory: Law and Practice, Vijay Nicole Publication, Chennai
2	Muraleedharan, Modern Banking: Theory and Practice, Prentice Hall India Learning Private Ltd, New Delhi
3	Gupta P.K. Gordon E. Banking and Insurance, Himalaya publication, Kolkata
4	Gajendra, A Text on Banking Theory Law & Practice, Vrinda Publication, Delhi
5	K P Kandasami, S Natarajan & Parameswaran, Banking Law and Practice, S Chand publication, New Delhi
Reference Books	
1	B. Santhanam, Banking & Financial System, Margam Publication, Chennai
2	<u>KataitSanjay</u> , Banking Theory and Practice, Lambert Academic Publishing,
3	Henry Dunning Macleod, The Theory And Practice Of Banking, Hard Press Publishing, Old New Zealand
4	William Amasa Scott, Money And Banking: An Introduction To The Study Of Modern Currencies, Kesinger publication, USA
5	NektariosMichail, Money, Credit, and Crises: Understanding the Modern Banking System, Palgrave Macmillan, London
NOTE: Latest Edition of Textbooks May be Used	
Web Resources	
1	https://www.rbi.org.in/
2	https://businessjargons.com/e-banking.html
3	https://www.wallstreetmojo.com/endorsement/

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Aware of various provision of Banking Regulation Act 1949 applicable to banking companies including cooperative banks	K1, K2, K4
CO2	Define the practical banking systems relationship of bankers and customers, crossing of cheques, endorsement etc.	K2, K3, K5, K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	POs						PSOs		
	1	2	3	4	5	6	1	2	3
CO1	3	3	1	3	3	3	2	2	2
CO2	3	3	2	3	3	3	3	3	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
IV	23U6CCAC12	Cost Accounting - II	6	5

Nature of the course

Relevant to Local need		Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need		Skill development Oriented	align="center">√	Addresses Environment and Sustainability	
Relevant to Global need				Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To understand the standards in Cost Accounting
To know the concepts of contract costing.
To be familiar with the concept of process costing.
To learn about operation costing.
To gain insights into standard costing.

SYLLABUS

Unit	Content	Hours
I	Cost Accounting Standards : An Introduction to CAS – Purpose of CAS – Advantages of CAS – Difference between CAS and FAR Regulations – Different Degrees of CAS Coverage – Cost Accounting Standards - Responsibility Accounting and Divisional Performance Measurement.	18
II	Contract Costing: Definition - Features of Contract Costing - Calculation of Profit on Contracts – Cost Plus Contract- Contract Costing and Job Costing - A Comparison -Preparation of Contract A/c.	18
III	Process Costing : Process Costing – Meaning – Features of Process Costing – Application of Process Costing – Fundamental Principles of Process Costing – Treatment of Loss and Gain : Normal and Abnormal Loss - Abnormal Gain - Joint Products, By Products – Concept of Equivalent Production – Process Accounts - Process Losses and Gains.	18
IV	Operation Costing : Operation Costing – Meaning – Preparation of Operating Cost Sheet – Transport Costing – Power Supply Costing–Hospital Costing–Simple Problems.	18
V	Standard Costing Definition – Objectives – Advantages – Standard Cost and Estimated Cost – Installation of Standard Costing – Variance Analysis – Material, Labour, Overhead, and Sales Variances – Calculation of Variances.	18

Textbooks

1	Jain S.P. and Narang K.L. Cost Accounting. Kalyani Publishers. New Delhi.
2	Khanna B.S., Pandey I. M., Ahuja G.K., and Arora M.N., Practical Costing, S Chand & Co, New Delhi.
3	Dr.S.N.Maheswari, Principles of Cost Accounting, Sultan Chand publications, New Delhi.
4	T.S.Reddy and Y. Hari Prasad Reddy, Cost Accounting, Margham publications, Chennai.
5	S.P. Iyengar, Cost Accounting, Sultan Chand Publications, New Delhi.

Reference Books

1	Polimeni, Cost Accounting: Concepts and Applications for Managerial Decision Making, New York, McGraw–Hill, Noida.
2	Jain S.P. and Narang K.L. Cost Accounting, Kalyani Publishers, New Delhi.
3	V.K.Saxena and C.D.Vashist, Cost Accounting, Sultan Chand publications, New Delhi.
4	Murthy A & Gurusamy S, Cost Accounting, Vijay Nicole Imprints Pvt .Ltd .Chennai.
5	Prasad.N.K and Prasad.V.K, Cost Accounting, Book Syndicate, Bangladesh.

Web Resources

1	https://www.economicdiscussion.net/cost-accounting/contract-costing/32597
2	https://www.wallstreetmojo.com/process-costing/
3	https://www.accountingnotes.net/cost-accounting/operating-costing/17755

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember and recall standards in cost accounting	K1, K2
CO2	Apply the knowledge in contract costing	K3, K4, K6
CO3	Analyze and assimilate concepts in process costing	K1, K2, K5
CO4	Understand various bases of classification cost and prepare operating cost statement.	K5, K6
CO5	Set up standards and analyse variances.	K3, K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	3	3	3	2	2
CO2	3	3	3	2	2	3	2	2	3	2	3
CO3	3	3	3	2	3	3	3	3	3	2	2
CO4	3	3	3	2	2	3	2	2	3	2	2
CO5	3	3	3	2	3	3	3	3	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 - No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
VI	23U6CCAC13	Management Accounting	5	5

Nature of the course

Relevant to Local need		Employability Oriented	√	Addresses Professional Ethics	
Relevant to national need		Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	√
Relevant to Global need	√		Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

To understand basics management accounting
To know the aspects of Financial Statement Analysis
To familiarize with fund flow and cash flow analysis
To learn about budgetary control
To gain insights into marginal costing.

SYLLABUS

Unit	Content	Hours
I	Introduction to Management Accounting Management Accounting – Meaning – Scope – Importance- Limitations - Management Accounting Vs Cost Accounting – Management Accounting Vs Financial Accounting.	18
II	Financial Statement Analysis Analysis and Interpretation of Financial Statements – Nature and Significance – Types of Financial Analysis – Tools of Analysis – Comparative Statements – Common Size Statement – Trend Analysis. Ratio Analysis: Meaning – Advantages – Limitations – Types of Ratios – Liquidity Ratios – Profitability Ratios -Turnover Ratios – Capital Structure Ratios – Leverage Ratios - Preparation of Financial Statements from Ratios.	18
III	Fund Flow Analysis & Cash Flow Analysis Introduction, Meaning of Funds Flow Statement-Ascertainment of Flow of Funds -Technique of Preparing Funds Flow Statement-Schedule of Changes in Working Capital-Adjusted Profit and Loss Account - Preparation of Funds Flow Statement. Cash Flow Statements: Meaning – Advantages – Limitations – Preparation of Cash Flow Statement as per AS 3 – Types of Cash Flows - Operating, Financing and Investing Cash Flows.	18
IV	Budgetary Control Budgetary Control: Meaning – Preparation of Various Budgets – Cash Budget - Flexible Budget– Production Budget – Sales Budget.	18

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V	Marginal Costing : Meaning - Features – Fixed Cost, Variable Cost and Semi Variable Cost- Contribution- Marginal Cost Equation- P/V Ratio - Break Even Point - Margin of Safety – Cost- Volume Profits Analysis- Break Even Point – Decision Making : Selection Of a Product Mix – Make or Buy Decision – Discontinuance of a product line – Change or Status quo – Limiting Factors – Exploring New Markets.	18
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Textbooks

1	Jain S.P. & Narang K.L. (2018) Cost and Management Accounting, Kalyani publications,
2	Dr.S.N.Maheswari, Cost and Management Accounting, Sultanchandsons publications, New Delhi.
3	Sharma and Shashi K. Gupta, Management Accounting, Kalyani Publishers, Chennai.
4	Jenitra L Mervin, Daslton L Cecil, Management Accounting, Lerantec Press, Chennai.
5	T.S.Reddy & Y. Hari Prasad Reddy, Management Accounting, Margham publications, Chennai.

Reference Books

1	Chadwick – The Essence of Management Accounting, Financial Times Publications, England.
2	Charles T. Horngren and Gary N. Sundem – Introduction to Management Accounting, Pearson, Chennai.
3	Murthy A and Gurusamy S, Management Accounting- Theory & Practice, Vijay Nicole Imprints Pvt. Ltd. Chennai.
4	Hansen - Mowen, Cost Management Accounting and Control, South Western College, India.
5	N.P. Srinivasan, Management Accounting, New Age publishers, Chennai.

Web Resources

1	https://www.accountingnotes.net/companies/fund-flow-analysis/fund-flow-analysis-accounting/13300
2	https://accountingshare.com/budgetary-control/
3	https://www.investopedia.com/terms/m/marginalcostofproduction.asp

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember and recall basics in management accounting	K1, K2
CO2	Apply the knowledge of preparation of Financial Statements	K3, K4, K6
CO3	Analyze the concepts relating to fund flow and cash flow	K1, K2, K5
CO4	Evaluate techniques of budgetary control	K5, K6
CO5	Formulate criteria for decision making using principles of marginal costing.	K3, K6

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** - Evaluate; **K6** - Create

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Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	3	2	2	2	3	2	3
CO3	3	2	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	3	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

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Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
VI	23U6CCAC14	Income Tax Theory, Law and Practice - II	5	5

Nature of the course

Relevant to Local need		Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	align="center">√	Addresses Environment and Sustainability	
Relevant to Global need	√			Addresses Human Values	√

Course Objectives

The main objectives of this course are:

To understand provisions relating to capital gains
To know the provisions for computation of income from other sources.
To familiarize law relating to set off and carry forward of losses and deductions from Gross Total Income.
To learn about assessment of individuals
To gain knowledge about assessment procedures.

SYLLABUS

Unit	Content	Hours
I	Capital Gains Capital Gains – Kinds of Capital Assets – Computation of Capital Gains – Exemption under Section 54 , 54B, 54D, 54EC, 54F, 54GA.	18
II	Income From Other Sources Income from Other Sources – Income Chargeable to Tax under the Head Income from Other Sources – Procedures for Computing Income from Other Sources – Deductions Allowed – Deduction not Allowed – Problems on Computation of Income from Other Sources.	18
III	Set Off and Carry Forward of Losses and Deductions From Gross Total Income Provisions for Set-off and Carry Forward of Losses (Simple Problems). Deductions U/S 80C, 80CC, 80CCB, 80CCC, 80CCD, 80 CCE, 80D, 80DD, 80DDB, 80E, 80EE, 80EEA, 80EEB, 80G, 80GG, 80GGA, 80TTA, 80TTB, and 80U only.	18
IV	Assessment of Individuals Assessment: Meaning and Types, Computation of Total Income and Tax Liability of an Individuals (simple problems in case of Income from salaries, HP and Profits and Gains – computed income may be given).	18
V	Income Tax Authorities Administration of Income Tax Act – Income Tax Authorities – Powers of CBDT – Powers of Income – Tax Officers - Procedures for Assessment – Filing of Return – Due Dates of Filing – Voluntary Filing – Return of Loss – Related Return – Defective Return – Signing of Return – Permanent Account Number (PAN)	18

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Textbooks

1	V.P.Gaur, Narang, Puja Gaur and Rajeev Puri- Income Tax Law and Practice, Kalyani Publishers, New Delhi.
2	T.S.Reddy and Hariprasad Reddy, Income Tax Law and Practice, Margham Publications, Chennai.
3	DinkarPagare, Income Tax Law and Practice, Sultan & Chand Sons, New Delhi.
4	Mehrotra H.C, Dr.GoyalS.P,Income Tax Law and Accounts, SahityaBhavan Publications, Agra.
5	T. Srinivasan – Income Tax & Practice –Vijay Nicole Imprints Private Limited , Chennai.

Reference Books

1	Hariharan N, Income Tax Law & Practice, Vijay Nicole Imprints Pvt. Ltd. Chennai.
2	Bhagwati Prasad, Income Tax Law and Practice, VishwaPrakasan, New Delhi.
3	Vinod K. Singhanian, Students Guide to Income Tax., U.K. Bharghava Taxman, New Delhi.
4	Dr. Vinod K Singhanian, Dr. Monica Singhanian, Taxmann's Students' Guide to Income Tax, New Delhi.
5	Mittal Preethi Rani and BansalAnshika, Income Tax Law and Practice, Sultan & Chand Sons, New Delhi.

Web Resources

1	https://www.investopedia.com/terms/c/capitalgain.asp
2	https://www.incometaxmanagement.com/Direct-Taxes/AY-2021-22/assessment/1-assessment-of-an-individual.html
3	https://www.incometax.gov.in/iec/foportal/

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember and recall provisions on capital gains	K1,K2
CO2	Apply the knowledge about income from other sources	K3,K4, K6
CO3	Analyze the set off and carry forward of losses provisions	K1,K2. K5
CO4	Learn about assessment of individuals	K5. K6
CO5	Apply procedures learnt about assessment procedures.	K3,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze;

K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	3	3	2	2
CO2	3	2	2	2	2	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	3	3	2	2
CO4	3	2	2	2	2	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;

1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
VI	23U6CCAEL3A	Major Elective – III FINANCIAL ACCOUNTING PACKAGE – TALLY PRIME LAB	5	3

Nature of the course

Employability Oriented	✓	Relevant to Local need		Addresses Gender Sensitization	
Entrepreneurship Oriented		Relevant to regional need		Addresses Environment and Sustainability	
Skill development Oriented	✓	Relevant to national need		Addresses Human Values	
		Relevant to Global development need	✓	Addresses Professional Ethics	✓

Course Objectives

The main objectives of this course are to:

1. To Understand extract profit and loss account and balance sheet through ledger account balances and adjustment entries.
2. To learn the pass entries for transactions in accounting vouchers with or without stock items.
3. To practice various computing strategies for pass entries transactions requiring special features such as TDS, VAT, CST,GST Cost centers and Payrolls
4. To use carry out order processing and maintain accounting records along with inventory records and generate reports.

LIST OF PRACTICALS

1. Preparation of Trial Balance - preparation of profit and loss accounts, Balance sheet
2. Interest simple, compound interest calculation. Setting ledger master, Interest report.
3. Receivable and payable management, meaning activating bill wise details, all types of entries
4. Cost Centres and Category summary, cost centre breakup ledgers and group breakup outstanding receivable and payable, interest receivable and payable, statistics, cash and fund flow daybook list of account reversing journals, optional vouchers.
5. Budget Budgetary control creation of budget, group budget Budgetary ledger creation alteration of budget deletion of budget.
6. Introduction to GST, Getting started with GST, Transferring Input tax to GST, Interest supply of goods, GST reports
7. Recording advance entries, Exports, Imports, Exempted Goods, Adjustment and Return filing, GST tax payments
8. Electronic Commerce Introduction, Tax Collected at Source (TCS), Procedures for E-commerce Operator, Input Tax Credit: - Introduction, Important Points, Input Service Distributors
9. Matching of Input Tax Credit, Returns, GSTR-2, Other Taxable Persons, Annual Return, Overview of the IGST Act, Overview, Other Provisions.
10. GST Portal, Introduction, GST Eco-system, GST Suvidha Provider (GSP), Uploading Invoices

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TEXT BOOK:

- 1 Robert Hunt & John Shelly, (2018), Computers and Common Sense, 2nd edition, published by Prentice Hall of India, New Delhi
2. ICA R& D Team, Tally 9, Vikas Publishing House Pvt. Ltd., New Delhi,2009
3. Nadhani A.K. and Nadhani K.K , Implementing Tally, BPB Publications, New Delhi,2009
4. Vishnu Priya Singh , Quick Learn Tally, Computech Publication Pvt., New Delhi,2009
5. Sharma Neeraj: Computerised Accounting and Business Systems, Kalyani Publishers, Ludhiana

REFERENCE BOOKS:

1. Martin, (2020), Principles of Data Base Management, 1st edition, published by Prentice Hall of India, New Delhi.
2. Sulochana, Kalyani, (2019), Accounting Systems, 1st edition, published by Kalayani, Hyderabad..
3. Tally financial accounting programme Volume 1 – Manual,2009

Web Resources

1. <https://tallysolutions.com/>
2. <http://www.cs.cmu.edu>
3. <https://www.geeksforgeeks.org>

Pedagogy: Teaching / Learning methods

- | | | |
|-------------|---------------------|------------|
| 1. Lecture | 3. Assignment | 5. Seminar |
| 2. Tutorial | 4. PPT presentation | |

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Illustrate the Preparation of Trial Balance - preparation of profit and loss accounts, Balance sheet	K1, K2, K3, K4
CO2	Apply GST Eco-system, GST Suvidha Provider (GSP), Uploading Invoices	K2, K3, K4, K5
CO3	Analyze the GST reports	K2, K3, K4, K6
CO4	Carry out order processing and maintain accounting records along with inventory records and generate reports	K2, K3, K6
CO5	Practice work as an accountant or a storekeeper in the computerized environment of business organizations	K3, K4, K5

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	3	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	2	3	3	3	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
VI	23U6CCAEL3B	Major Elective – III R LANGUAGE – LAB	5	3

Nature of the course

Employability Oriented	✓	Relevant to Local need		Addresses Gender Sensitization	
Entrepreneurship Oriented		Relevant to regional need		Addresses Environment and Sustainability	✓
Skill development Oriented	✓	Relevant to national need		Addresses Human Values	✓
		Relevant to Global development need	✓	Addresses Professional Ethics	✓

Course Objectives

The main objectives of this course are to:

1. To understand the problem solving approaches.
2. To learn the basic programming constructs in R Programming
3. To practice various computing strategies for R Programming -based solutions to real world problems
4. To use R Programming data structures - lists, tuples, dictionaries.
5. To do input/output with files in R Programming

LIST OF PRACTICALS

1. Data In R
2. Reading And Writing Data
3. R And Databases
4. Dates
5. Factors
6. Subscribing
7. Character Manipulation
8. Data Aggregation
9. Reshaping Data Basics
10. The R Environment
11. Probability And Distributions
12. Descriptive Statistics and Graphics
13. One- And Two-Sample Tests
14. Regression And Correlation
15. Analysis Of Variance And The Kruskal–Wallis Test
16. Tabular Data
17. Power And The Computation Of Sample Size
18. Advanced Data Handling
19. Multiple Regression
20. Linear Models
21. Logistic Regression
22. Survival Analysis
23. Rates And Poisson Regression
24. Nonlinear Curve Fitting

TEXT BOOK:

1. Yanchang Zhao, “R and Data Mining: Examples and Case Studies”, Academic Press, First Edition, 2013.
2. K.G.Srinivasa, G M Siddesh, Chetan Shetty, “Statistical Programming in R”, Oxford University Press, New Delhi, 2017
3. John Chambers, “Software for Data Analysis: Programming with R “, Springer; 1st ed. 2008. 2nd printing 2009 edition

REFERENCE BOOKS:

1. Thomas Lumley,” Complex Surveys: A Guide to Analysis Using R”, Wiley Series in survey methodology, 2010
2. Nicholas J. Horton, Ken Kleinman,” Using R and Studio for Data Management, Statistical Analysis, and Graphics”, CRC Press, Second edition, 2015
3. John Main Donald, W. John Braun,”Data Analysis and Graphics Using R: An Example-Based Approach”, University Press, Cambridge, Third edition, 2010

Web Resources

1. <https://tallysolutions.com/>
2. <http://www.cs.cmu.edu>
3. <https://www.geeksforgeeks.org>

Pedagogy: Teaching / Learning methods

- | | | |
|-------------|---------------------|------------|
| 1. Lecture | 3. Assignment | 5. Seminar |
| 2. Tutorial | 4. PPT presentation | |

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember programming skills in core R Programming	K1, K2, K3, K4
CO2	Apply Object-oriented programming skills in R Programming.	K2, K3, K4, K5
CO3	Analyze the Develop the skill of designing graphical-user interfaces (GUI) in R Programming	K2, K3, K4, K6
CO4	Create R Programming skills to move into specific branches	K2, K3, K6
CO5	Implication of input/output with files in R Programming	K3, K4, K5

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Specific Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	2	3	2	2	3	2	2
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	3	2	3	3	3	2	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	2	3	3	3	2	2	2	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
VI	23U6CCAEL4A	Major Elective – IV Cryptography and Network Security	5	3

Nature of the course

Relevant to Local need		Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need		Entrepreneurship Oriented		Addresses Gender Sensitization	
Relevant to regional need		Skill development Oriented	√	Addresses Environment and Sustainability	√
Relevant to Global need	√		Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

To understand on the security trends
To apply the mathematical symmetric key cryptography
To analyze the mathematics of asymmetric key cryptography
To imply the authentication requirements
To understand election mail survey and firewall

SYLLABUS

Unit	Content	Hours
I	Security trends – Legal, Ethical and Professional Aspects of Security, Need for Security at Multiple levels, Security Policies – Model of network security – Security attacks, services and mechanisms – OSI security architecture – Classical encryption techniques: substitution techniques, transposition techniques, steganography- Foundations of modern cryptography: perfect security – information theory – product cryptosystem – cryptanalysis.	15
II	Mathematics of Symmetric Key Cryptography: Algebraic structures – Modular arithmetic-Euclid's algorithm- Congruence and matrices - Groups, Rings, Fields- Finite fields- SYMMETRIC KEY CIPHERS: SDES – Block cipher Principles of DES – Strength of DES – Differential and linear cryptanalysis – Block cipher design principles – Block cipher mode of operation – Evaluation criteria for AES – Advanced Encryption Standard – RC4 – Key Distribution.	15
III	Mathematics of Asymmetric Key Cryptography: Primes – Primality Testing –Factorization – Euler's totient function, Fermat's and Euler's Theorem – Chinese Remainder Theorem – Exponentiation and logarithm – ASYMMETRIC KEY CIPHERS: RSA cryptosystem – Key distribution – Key management – Diffie Hellman key exchange - ElGamal cryptosystem – Elliptic curve arithmetic-Elliptic curve cryptography.	15

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IV	Authentication requirement – Authentication function – MAC – Hash function – Security of hash function and MAC – SHA –Digital signature and authentication protocols – DSS- Entity Authentication: Biometrics, Passwords, Challenge Response protocols- Authentication applications – Kerberos, X.509	15
V	Electronic Mail security – PGP, S/MIME – IP security – Web Security – SYSTEM SECURITY: Intruders – Malicious software – viruses – Firewalls.	15

Textbooks

1	William Stallings, “Cryptography and Network Security – Principles and Practices”, Prentice Hall of India, Third Edition, 2003.
2	AtulKahate, “Cryptography and Network Security”, Tata McGraw-Hill, 2003.
3	Bruce Schneier, “Applied Cryptography”, John Wiley & Sons Inc, 2001.

Reference Books

1	Charles B. Pfleeger, Shari Lawrence Pfleeger, “Security in Computing”, Third Edition, Pearson Education, 2003
2	William Stallings, Cryptography and Network security, Hardcover, 2016

Web Resources

1	https://www.google.co.in/books/edition/Cryptography_and_Network_Security/v8nCCwAAQBAJ?hl=en&gl=in&kptab=editions&sa=X&ved=2ahUKEwiDnLTgxoP8AhXbpVYBHd18CggQmBZ6BAgBEAc
2	https://www.google.co.in/books/edition/Cryptography_And_Network_Security_4_E/qKerce0x_2YC?hl=en&gbpv=1&dq=cryptography%20and%20network%20security&pg=PP1&printsec=frontcover

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Remember the security trends in cryptography and network security	K1,K2
CO2	Enumerate the algebra structures	K3,K4, K6
CO3	Apply and analyze the key distribution of mathematical of asymmetrical key	K1,K2. K5
CO4	Implication of authentication requirement and functions	K5. K6
CO5	Describe the electronic mail security and web security system	K3,K6

Cognitive Level: **K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze;**K5** – Evaluate; **K6** – Create

B.Com., (Computer Applications)

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	3	2	3	2	3	2	2
CO2	3	2	3	2	2	2	2	2	3	2	3
CO3	3	3	3	2	3	2	3	2	3	2	2
CO4	3	2	3	2	2	2	2	2	3	2	2
CO5	3	3	3	2	3	2	3	2	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
VI	23U6CCAEL4B	Major Elective – IV Introduction to ERP	5	3

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√		Addresses Human Values	√	

Course Objectives

The main objectives of this course are:

To understand the ERP and its risks and benefits
To be aware of ERP solutions and functional modules
To analyze the ERP implementation
To apply the post implementation and maintenance of ERP
To examine of emerging trends in ERP

SYLLABUS

Unit	Content	Hours
I	Introduction: Overview of enterprise systems ñ Evolution - Risks and benefits - Fundamental technology - Issues to be consider in planning design and implementation of cross functional integrated ERP systems	15
II	ERP Solutions and Functional Modules: Overview of ERP software solutions- Small, medium and large enterprise vendor solutions, BPR and best business practices - Business process Management, Functional modules	15
III	ERP Implementation: Planning Evaluation and selection of ERP systems - Implementation life cycle - ERP implementation, Methodology and Frame work- Training ñ Data Migration - People Organization in implementation-Consultants, Vendors and Employees.	15
IV	Post Implementation: Maintenance of ERP- Organizational and Industrial impact; Success and Failure factors of ERP Implementation.	15
V	Emerging Trends on ERP: Extended ERP systems and ERP add-ons - CRM, SCM, Business analytics - Future trends in ERP systems-web enabled, Wireless technologies, cloud computing.	15
Total		75

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Textbooks

1	Alexis Leon, ERP demystified, second Edition Tata McGraw-Hill,200
2	Sinha P. Magal and Jeffery Word, Essentials of Business Process and Information System, Wiley India,2012
3	Jagan Nathan Vaman, ERP in Practice, Tata McGraw-Hill,2008

Reference Books

1	Alexis Leon, Enterprise Resource Planning, second edition, Tata McGraw-Hill,2008
2	MahadeoJaiswal and Ganesh Vanapalli, ERP Macmillan India,2009
3	Vinod Kumar Grag and N.K. Venkitakrishnan, ERP- Concepts and Practice, PHI,2006

Web Resources

1	https://www.google.co.in/books/edition/Enterprise_Resource_Planning/Z0M8BAAAQBAJ?hl=en&gbpv=1&dq=Introduction%20to%20ERP&pg=PP1&printsec=frontcover
2	https://www.google.co.in/books/edition/Enterprise_Resource_Planning_Systems/7fzMFG-tCmkC?hl=en&gbpv=1&dq=Introduction%20to%20ERP&pg=PP1&printsec=frontcover
3	https://www.google.co.in/books/edition/Enterprise_Resource_Planning/oTS-aoVMsykC?hl=en&gbpv=1&pg=PP1&printsec=frontcover

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Illustrate the Pros and cons of ERP	K1,K2
CO2	Describe the different modules of ERP	K3,K4, K6
CO3	Enumerate the implementation of ERP	K1,K2. K5
CO4	Analyze the success and failure factors of ERP implementation	K5. K6
CO5	Discuss the cloud computing	K3,K6

Cognitive Level: K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze;K5 – Evaluate; K6 – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	3	3	2	3	3	3	2	2
CO2	3	2	3	3	2	2	2	2	3	2	3
CO3	3	3	3	3	3	2	3	3	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	2
CO5	3	3	3	3	3	2	3	3	3	2	3

3 - Strongly Correlated; 2 - Moderately Correlated;

1 - Weakly Correlated; 0 – No correlation

B.Com., (Computer Applications)

Semester	Course Code	Course Title	Hours of Teaching / Cycle	No. of Credits
VI	23U6CCASEC2	Skill Enhancement Course - Auditing and Corporate Governance	2	2

Nature of the course

Relevant to Local need	√	Employability Oriented	√	Addresses Professional Ethics	√
Relevant to national need	√	Entrepreneurship Oriented	√	Addresses Gender Sensitization	
Relevant to regional need	√	Skill development Oriented	√	Addresses Environment and Sustainability	
Relevant to Global need	√			Addresses Human Values	√

Course Objectives

The main objectives of this course are:-

To enable students to understand process of auditing and its classification.
To impart knowledge on internal check and internal control.
To illustrate the role of auditors in company.
To help students understand the framework, theories and models of Corporate Governance.
To provide insights into the concept of Corporate Social Responsibility

SYLLABUS		
Unit	Content	Hours
I	Introduction to Auditing Meaning and Definition of Auditing –Distinction between Auditing and Accounting – Objectives – Advantages and Limitations of Audit – Scope of Audit – Classifications of Audits – Audit of Banking, Insurance, Non-Profit Organizations and Charitable Societies, Trusts, Organizations.	15
II	Introduction to Corporate Governance Conceptual Framework of Corporate Governance: Theories & Models, Broad Committees - Corporate Governance Reforms. Major Corporate Scandals in India and Abroad: Common Governance Problems Noticed in various Corporate Failures. Codes & Standards on Corporate Governance.	15

Textbooks

1	DinkarPagare, Principles and Practice of Auditing,Sultan Chand & Sons, New Delhi
2	B. N. Tandon, S. Sudharsanam&S.Sundharabahu, Practical Auditing, S.Chand& Sons New Delhi.
3	Dr.T.R. Sharma, Dr.GauravSankalp, Auditing & Corporate Governance, SahithyaBhawan Publications, Agra

B.Com., (Computer Applications)

4	ArunaJha, Auditing & Corporate Governance, Taxmann Publication Pvt. Ltd, New Delhi.
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Reference Books

1	Kevin Keasey, Steve Thompson & Mike wright, Governance & Auditing, Emerald Group Publishing Limited, Bingley
2	Dr.T.R. Sharma, Auditing, SahithyaBhawan Publications, Agra
3	C.B.Gupta, NehaSinghal, Auditing & Corporate Governance, Scholar Tech Press, New Delhi.
4	Shri. Vengadamani, Practical Auditing, Margham Publication, Chennai.

Web Resources

1	https://www.wallstreetmojo.com/audit-procedures/
2	https://theinvestorsbook.com/company-auditor.html
3	https://www.investopedia.com/terms/c/corp-social-responsibility.asp

Pedagogy: Teaching / Learning methods

Chalk and Talk, Lecture, Tutorial, Assignment, Quiz, Group Discussion, and Seminar.

Course Outcomes

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

CO Number	CO Statement	Cognitive Level
CO1	Define auditing and its process.	K1,K2
CO2	Compare and contrast essence of internal check and internal control.	K3,K4, K6
CO3	Identify the role of auditors in companies.	K1,K2. K5
CO4	Define the concept of Corporate Governance.	K5. K6
CO5	Appraise the implications of Corporate Social Responsibility	K3,K6

Cognitive Level: K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze;**K5** – Evaluate; **K6** – Create

Mapping of Course Outcomes with Programme Outcomes and Programme Specific Outcomes.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
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CO3	3	3	3	2	3	2	3	3	3	3	2
CO4	3	2	2	2	2	2	2	2	3	3	2
CO5	3	3	3	2	3	2	3	3	3	2	2

3 - Strongly Correlated; 2 - Moderately Correlated;
1 - Weakly Correlated; 0 – No correlation