



Department of Commerce (CA)

B.Com. Computer Applications

S.No	Course Code	Course Name	Course Outcomes
SEMESTER- I			
1.	21USPL11	செயலர் பணிமுறைகள்	<p>CO1[K1]: detail about the concepts and provisions of company, company secretary's qualification, appointment, rights, duties and termination</p> <p>CO2[K2]: illustrate the various provisions of Company Act, 2013 regarding from incorporation to statement in lieu of prospects</p> <p>CO3[K3]: articulate the Secretary's role in conducting different meeting and pass resolution along with various important notable events of company</p> <p>CO4[K4]: analyse the various authorities' qualification for appointment, rights and duties.</p> <p>CO5[K5]: compile the stages of company's liquidation with duties of liquidator and company secretary</p>
2.	21UENL11	Communicative English - I	<p>CO1[K1]: relate and state ideas by reading and listening to simple recorded conversations and fables</p> <p>CO2[K2]: demonstrate communicative skills through simple Descriptions, Requests and Instructions</p> <p>CO3[K3]: apply knowledge of word power and grammar rules in Formal and Informal letter writings</p> <p>CO4[K4]: analyze fairy tales and folk tales to develop language skills</p>



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			through literature CO5[K6]: construct grammatically correct and meaningful simple sentences in English
3.	21UCPC11	Core Course - I: Fundamentals of Accounting	CO1[K1]: detail accounting concepts and principles of accounting in business CO2[K2]: explain the ethical and social responsibilities of accountants in ensuring the integrity of financial information CO3[K3]: use the accounting procedures for rectifying the errors and balances in Bank Reconciliation Statement CO4[K4]: examine the assets value by using different accounting methods CO5[K5]: measure the accumulated values, profit or loss and financial position of the Business
4.	21UCPC1P	Core Course - II: Practical: Business Applications Programming in C	CO1[K1]: describe the structure of C language CO2[K2]: classify the data types, functions and statement CO3[K3]: make use of syntax and semantics for different problems CO4[K4]: analyse the usage of derived data types CO5[K5]: assess the importance of data types, statements and various operation on file
5.	21UCPA11	Allied Course - I: Business Applications Programming in C	CO1[K1]: describe the basic structure of C language and its tokens CO2[K2]: explain the concept of decision making with branching and looping statement used in different types of data CO3[K3]: make use of syntax for rectifying a error in C program CO4[K4]: classify the various data types and functions



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			CO5[K5]: assess the importance of statements, derived types and files mode operations
6.	21UESR11	Ability Enhancement Compulsory Course - I: Environmental Studies	CO1[K1]: recognize the importance of environment and role of Individuals in its protection. CO2[K2]: explain the key concepts of Ecosystem, Food Web and Bio geochemical. CO3[K3]: apply the right measures for the sustainable use of natural resources. CO4[K4]: analyse the ethical, cross-cultural, and historical context of environmental issues and the links between Human and Natural Systems. CO5[K4]: examine the impact of human action on the biological environment
7.	21UCPS1P	Skill Enhancement Course - I: Practical:Office Automation	CO1[K1]: identify various types in office packages CO2[K2]: specify the use of tools in document, sheet and slide CO3[K3]: apply to design the document, book and slide CO4[K4]: analyse the data in a table and prepare evaluation chart CO5[K6]: design and develop the document, spreadsheet and presentation with transition and animation effect
SEMESTER- II			
8.	21UKKL21	காப்பீடுகோட்பாடுகளும் நடைமுறைகளும்	CO1[K1]: describe the concept of insurance CO2[K2]: explain the various types of insurance policies CO3[K3]: apply the principles of insurance in undertaking insurance policies in effectively CO4[K4]: analyzing the importance of insurance and its improvement



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			CO5[K5]: evaluate the factors avoiding business risk through insurance policies
9.	21UENL21	Communicative English – II	CO1[K1]: relate and state ideas by reading and listening to recorded interviews and news CO2[K2]: demonstrate effective speaking skills by offering suggestions, seeking permission and reporting ongoing activities CO3[K3]: apply knowledge of word power and grammar rules through proverb expansion and paragraph writings CO4[K4]: analyze simple poems and short stories to develop language skills through literature CO5[K6]: construct grammatically correct and logically coherent paragraphs
10.	21UCPC21	Core Course - III: Financial Accounting – I	CO1[K1]: describe the process of computing incomplete records of accounts CO2[K2]: examine the evidence of business transactions on credit basis CO3[K3]: compute the claim to be lodged for loss of stock in fire insurance claim CO4[K4]: examine the accounting system and performance of Non-profit organizations. CO5[K5]: apply accounting standards to meet the challenges of business activity
11.	21UCPC2P	Core Course - IV: Practical: Object Oriented Programming with C++	CO1[K1]: state the difference between top down and bottom up approach CO2[K2]: classify the OOP concepts, statements and functions CO3[K3]: make use of syntax and semantics for different problems



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			<p>CO4[K4]: analyse the relevant OOP to write the program</p> <p>CO5[K5]: assess the features of C++ including templates, file and exception handling for providing programmed solutions to complex problems.</p>
12.	21UCPA21	Allied Course - II: Object Oriented Programming with C++	<p>CO1[K1]: define the various concepts of object-oriented programming language</p> <p>CO2[K2]: illustrate the structured paradigm with specifying a class and object</p> <p>CO3[K3]: make the use of various functions and statements in OOPS</p> <p>CO4[K4]: classify the function, statements and derivedtypes of data</p> <p>CO5[K5]: assess the features of file handling and exception handling function on OOPS</p>
13.	21UVED21	Ability Enhancement Compulsory Course - II: Value Education	<p>CO1[K1]: identify the basic human values and ethics necessary for harmonious Human relationship</p> <p>CO2[K2]: explain the significance of social values and religious tolerance to live in Peace</p> <p>CO3[K3]: articulate the life-changing principles of brotherhood, honesty, loyalty and community solidarity</p> <p>CO4[K4]: analyse emotional, social, spiritual attributes to acquire well balanced Personality</p> <p>CO5[K4]: examine the importance of harmonious living in the multi-Cultural Pluralistic society.</p>
14.	21UCPS21	Skill Enhancement Course - II: Financial Markets and Services	<p>CO1[K1]: describe the concepts and structure of the Indian Financial system</p> <p>CO2[K2]: explain the various types of financial markets for invest their</p>



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			<p>money and procure necessary funds to their business</p> <p>CO3[K3]: determine the process and operating components in Secondary market</p> <p>CO4[K4]: analyse the Regulator and preservative system of securities and other needs in Share markets</p> <p>CO5[K5]: choose the suitable investment avenue among different share markets' avenues</p>
15.	21UDMG21	Disaster Management	<p>CO1[K1]: outline the causes and impact of disasters.</p> <p>CO2[K2]: explain the features of national policy on disaster management.</p> <p>CO3[K3]:present the issues in rehabilitation.</p> <p>CO4[K4]:classify the mitigation measures.</p> <p>CO5[K5]:assess the role of the agencies for disaster management.</p>
SEMESTER- III			
16.	21UCPC31	Core Course - V: Programming in Java	<p>CO1[K1]: detail in concepts of java programming</p> <p>CO2[K2]: classify the various operators, looping and string in Java Programming</p> <p>CO3[K3]: use the different types of arrays, Inheritance and classes in Java source code</p> <p>CO4[K4]: analyze the importance of thread, managing error, applet and exception</p> <p>CO5[K5]: access the Input / Output Exceptions, using the File</p>
17.	21UCPC32	Core Course - VI: Financial Accounting – II	<p>CO1[K1]: describe the elements of financial information for accounting procedures</p> <p>CO2[K2]: illustrate the various special accounting concept in business enterprises</p>



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			<p>C03[K3]: apply the principles of accounting to control and manage the funds</p> <p>C04[K4]: compare the financial performance of the business to take decision making</p> <p>C05[K5]: select the accounting methods for recording and ascertain the profitability and financial position of business</p>
18.	21UCPC33	Core Course - VII: Cost Accounting	<p>C01[K1]: describe the classification, elements and methods various elements of cost accounting</p> <p>C02[K2]: explain procedures to control material, labour and overhead in Concern manufacturing</p> <p>C03[K3]: apply various costing techniques to solve the business problem</p> <p>C04[K4]: examine the importance of cost ascertainment and effective function in sales department</p> <p>C05[K5]: choose appropriate system for effective reluctant skills in cost accounting</p>
19.	21UCPC3P	Core Course - VIII: Practical: Java Programming	<p>C01[K1]: find the arithmetic and string operation used in operators</p> <p>C02[K2]: make use of syntax and semantics for getting result of programming</p> <p>C03[K3]: apply the concept function overloading and exception handling in java</p> <p>C04[K4]: simplify the package and thread to generate outcome</p> <p>C05[K5]: measure the multiple inheritance using real time application programming</p>
20.	21UCPA31	Allied Course - III: Business Statistics	<p>C01[K1]: describe the various statistical concept used in business</p> <p>C02[K2]: interpret the relevance of statistical findings for business</p>



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			<p>problem solving and decision making</p> <p>CO3[K3]:make use of technology to determine and solve business issue</p> <p>CO4[K4]: analyse statistical data using MS-Excel</p> <p>CO5[K5]:measure the different parameters used in economic and social problem</p>
21.	21UCPN31	Non Major Elective Course - I: Principles of Accounting	<p>CO1[K1]: describe the basic principles in accounting</p> <p>CO2[K2]: examine the quantitative characteristics of accounting</p> <p>CO3[K3]: apply the procedures of accounts to compute data required by business</p> <p>CO4[K4]: analyse the financial position of business</p> <p>CO5[K4]: classify the various methods of accounts used in business</p>
22.	21UCPS3P	Skill Enhancement Course - III: Practical:Desktop Publishing	<p>CO1[K1]: define various tools for designing and animation</p> <p>CO2[K2]: differentiate the various selection tools and drawing tools for editing and tweening</p> <p>CO3[K3]: apply different filter and masking on frame to design the program</p> <p>CO4[K5]: measure the importance of designing and animation</p> <p>CO5[K6]: create a new design as well as modify the existing on design in photoshop and flash</p>
SEMESTER- IV			
23.	21UCPC41	Core Course - IX: Relational Database Management System	<p>CO1[K1]: describe the database architecture and the relational database models</p> <p>CO2[K2]: classify the relational operations, commands, data types, normal form and storage media</p> <p>CO3[K3]: use the importance of relational database in business</p>



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			CO4[K4]: compare various normalization methods and storage media CO5[K5]: evaluate various process of stored data using structured query language
24.	21UCPC42	Core Course - X: Financial Accounting - III	CO1[K1]: describe the concept and procedure of partnership accounting CO2[K2]: explain various types and treatment of goodwill CO3[K3]: calculate the adjustment of accounts during admission, retirement, death and dissolution of partners CO4[K4]: examine the final settlement of partners when retirement, death and insolvency CO5[K5]: assess the factors affecting the partners capital in the firm
25.	21UCPC43	Core Course - XI: Management Accounting	CO1[K1]: describe the application and tools in management accounting CO2[K2]: identify the concepts and techniques inmanagement accounting CO3[K3]: make inter-firm and inter period comparisonof financial statement CO4[K4]: analysis the financial statement by different types of ratio and budget CO5[K5]: select the tools for decision making in business



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26.	21UCPC4P	Core Course - XII: Practical: Relational Database Management System	<p>CO1[K1]: identify the structured query language commands, constraints and Functions of SQL</p> <p>CO2[K2]: classify the different types of records through statement and key constraints</p> <p>CO3[K3]: make tables in SQL and procedural language/ structured query language</p> <p>CO4[K4]: examine the different types of information in join and aggregate functions</p> <p>CO5[K5]: select the functions, procedure, triggers and exception handling for SQL and PL/SQL program</p>
27.	21UCPA41	Allied Course - IV: Business Mathematics	<p>CO1[K1]: describe set theory, types of interest, discounting of bill, calculus and matrices</p> <p>CO2[K2]: explain the important terms in law of indices, logarithms, commercial arithmetic, calculus and matrices in mathematics.</p> <p>CO3[K3]: apply various mathematical techniques to solve business related problem.</p> <p>CO4[K4]: assess the differentiation in variables.</p> <p>CO5[K5]: choose the different matrix application in business activities.</p>
28.	21UCPM41 21UCPM42	Self - Paced Learning (Swayam Course): 1.Consumer Behaviour 2.Global Marketing Management	<p>CO1[K1]: identify the background and the key words in Consumer Behaviour</p> <p>CO2[K2]: demonstrate independent and self-paced learning for clear understanding of the concept</p> <p>CO3[K3]: develop computer and communication skills to broaden their knowledge in the course</p> <p>CO4[K3]: use high quality reading resources, communication tools and</p>



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			technology to send assignments and to take up test CO5[K4]: analyse critically and apply technical skills to comprehend the ideas or theories in the video lectures
29.	21UCPN41	Non Major Elective Course - II: Principles of Marketing	CO1[K1]: describe the basic concepts, principles and functions of marketing CO2[K2]: explain the different stages and combinations of product development in market CO3[K3]: determine consumer behavior to classify the global market CO4[K4]: examine the various objectives and strategies of marketing CO5[K4]: analyse the problems, ethical and legal issues in marketing
30.	21UCPS4P	Skill Enhancement Course - IV: Practical: HTML	CO1[K1]: describe the structure of html for the web page creation CO2[K2]: demonstrate to design the table and heading levels in webpage CO3[K3]: apply various tag to design website CO4[K5]: support all the browser in html documents CO5[K6]: construct to create own webpage through html & css
31.		Extension	CO1 [K1]: recognize the importance of community service through training and education CO2 [K2]: interpret ecological concerns, consumer rights, gender issues & legal protection CO3 [K3]: develop team spirit, verbal/non verbal communication and organizational ethics by participating in community service CO4 [K4]: examine the necessity of professional skills & community-Oriented services for a holistic development CO5 [K6]: create awareness on human rights, legal rights, First Aid,



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			Physical fitness and wellbeing
SEMESTER- V			
32.	21UCPC51	Core Course - XIII: Advanced Corporate Accounting - I	<p>CO1[K1]:describe the accounting procedure for issue of shares and debentures</p> <p>CO2[K2]:explain the methods of redemption of debentures , valuation of goodwill, valuation of shares and concept of amalgamation for getting financial position</p> <p>CO3[K3]:choose the different types of company balance sheet to achieve organizational goal</p> <p>CO4[K4]:analyse thevarious process to solve the problem of capital issues</p> <p>CO5[K5]: assess financial issue to resolve the difficulties of business</p>
33.	21UCPC52	Core Course - XIV: Income Tax Law and Practice – I	<p>CO1[K1]: describe the basic concepts of Income tax and exempted incomes</p> <p>CO2[K2]: explain the residential status of an assessee under Income tax Act</p> <p>CO3[K3]: apply the related provisions to calculate the taxable Income under various heads of Income</p> <p>CO4[K4]: classify the different Income , exemptions and deductions for computation of taxable income of an assessee</p> <p>CO5[K5]: assess the pre- requirement processes for completion of direct taxation process</p>
34.	21UCPC53	Core Course - XV: Open Source Technology	<p>CO1[K1]: detail knowledge about the basics of php for a new web page</p> <p>CO2[K2]: explain the concept of strings, array and</p>



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			<p>function in php for accessing the datavalues</p> <p>C03[K3]: use the different text field to design the application form in php</p> <p>C04[K4]: simplify the controls for reading data in open source technology</p> <p>C05[K5]:choose the database in php, mysql for design the form</p>
35.	21UCPC5P	Core Course - XVI: Practical:Open Source Technology	<p>C01 [K1]: describe the concept of php program to design web application in webpage</p> <p>C02 [K2]: explain the types of arrays and string to get different outcome of webpage.</p> <p>C03 [K3]: apply the different form method for form application in webpage.</p> <p>C04 [K4]: examine the outcome of php with importance of function</p> <p>C05 [K6]: develop the new programming in student mark list</p>
36.	21UCPO51	Major Elective Course - I: 1.Financial Management	<p>C01[K1]: describe the integration process of financial management with other business operation</p> <p>C02[K2]: explain various methods of effective financialplanning</p> <p>C03[K3]: compute the potential effect of management decision on profits, cash flow and the financial healthiness of the company</p> <p>C04[K4]: compare indifferentaspects financial performance</p> <p>C05[K5]: choose optimum methods of resources in order to reduce the cost of production</p>
37.	21UCPO52	2.Business Law	<p>C01[K1]: describe the fundamental concepts principles of law apply for business</p> <p>C02[K2]: explain the various Acts which is involved in the business activities</p>



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			<p>CO3[K3]: apply the rules and regulations of business laws</p> <p>CO4[K4]: examine the importance of applying different new laws as per The amendment</p> <p>CO5[K5]: select the appropriate decision based on the business laws</p>
38.	21UCPO53	3.Research Methodology	<p>CO1[K1]: describe the concepts and approaches of social science research</p> <p>CO2[K2]: demonstrate the techniques of research process</p> <p>CO3[K3]: apply suitable methodologies to solve research problems</p> <p>CO4[K4]: examine the factors affecting the socialscience research</p> <p>CO5[K5]: assess the factors affecting the researchmethods in social science research</p>
39.	21UCPO54	<p>Major Elective Course - II:</p> <p>1.Computer Network</p>	<p>CO1 [K1]: describe the fundamental concept of computer network</p> <p>CO2 [K2]: explain the network topologies and protocols</p> <p>CO3 [K3]: choose the different network layer and their function</p> <p>CO4 [K4]: classify the OSI and TCP reference model andto control in the network</p> <p>CO5 [K5]: choose the domain name system for facilitating the internet networking</p>
40.	21UCPO55	2.Cloud Computing	<p>CO1[K1]: identify the differences of deployment modeland service models of cloud computing</p> <p>CO2[K2]: Explain the concept of cloud storage, service models and technologies</p> <p>CO3[K3]: choose appropriate services and technologiesto solve the hardware and software issues</p> <p>CO4[K4]: analyse the cloud storage to fulfill the user requirements</p>



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			CO5[K5]: evaluate the features and functions of cloud computing
41.	21UCPO56	3.Mobile Computing	CO1[K1]: describe the architecture of mobile computing, GSM, GPRS and MANET CO2[K2]: explain the principles and important terms in mobile computing technologies CO3[K3]: apply TCP/IP in mobile communication and wireless networking for call routing CO4[K4]: classify the networks and its operations in mobile computing CO5[K5]: support mobile computing technologies and applications in future
42.	21UCPS51	Skill Enhancement Course - V: Quantitative Techniques	CO1[K1]: describe the quantitative and qualitative complications CO2[K2]: illustrate the raw data with the mathematical techniques CO3[K3]: apply the principles of quantitative techniques to solve the problem in QT CO4[K4]: analyse the arguments and assumptions to get the decision of the dilemma CO5[K5]: evaluate the techniques in order to get the optimal result
43.	21UCPJ51	Internship	CO1[K1]: outline the basic concepts of industrial requirements CO2[K2]: examine the proficiency skills in business and human resource management CO3[K3]: develop problem solving skills, communication skills and work effectively in teams CO4[K4]: simplify the accounting procedures to find the profit or loss of the concern CO5[K5]: justify the policies and practices followed by



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			the business organization
SEMESTER- VI			
44.	21UCPC61	Core Course - XVII: Advanced Corporate Accounting - II	<p>CO1[K1]: describe the various methods in calculating profit or loss of corporate</p> <p>CO2[K2]: explain the concepts and functions of corporate sectors in modern scenario</p> <p>CO3[K3]: apply the ethics and legal requirements in preparing the accounts of company</p> <p>CO4[K4]: analyse current year and previous year financial position of corporate sectors</p> <p>CO5[K5]: assess the formats and schedules of corporate accounts in pragmatic position</p>
45.	21UCPC62	Core Course - XVIII: Income Tax Law and Practice – II	<p>CO1[K1]: find the tax liability of Individual, HUF, Company, AOP and Firm</p> <p>CO2[K2]: explain various provisions regarding tax planning and advance payment of tax</p> <p>CO3[K3]: apply the provision for submit the Income tax return</p> <p>CO4[K4]: classify the different methods and deductions for computation of taxable Income</p> <p>CO5[K5]: examine the realistic procedures of assessment of all persons</p>
46.	21UCPC63	Core Course - XIX: Web Technology	<p>CO1[K1]: identify the client/server model and able to develop a web application using scripting technologies</p> <p>CO2[K2]: explain various types of tags and objects</p> <p>CO3[K3]: develop a website for a specified client and apply various styles forms</p>



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			<p>C04[K4]: analyse a structured approach to identify needs, interest and functionality of website</p> <p>C05[K5]: choose appropriate HTML, CSS and JavaScript code to extend and alter its Function</p>
47.	21UCPJ61	Core Course - XX: Project and Viva voce	<p>C01 [K1]: detail knowledge about the basics of project application software</p> <p>C02 [K2]: outline the various modules and its tables to get the result of the project designing</p> <p>C03 [K3]: Apply appropriate techniques to assess ongoing project performance.</p> <p>C04 [K4]: differentiate the data base control model to meet organizational needs</p> <p>C05 [K5]: evaluate the academic performance with the practical knowledge in report writing</p>
48.	21UCPC6P	Core Course - XXI: Practical:Accounting Software	<p>C01[K1]: describe the basic concepts of accountingsoftware</p> <p>C02[K2]:demonstrate to create company, enteraccounting vouchers, accrual adjustment and preparation of financial statement</p> <p>C03[K3]: apply the various accounting standards and rules to manage ledger, vouchers and reports</p> <p>C04[K4]: examine the importance of accounting software in the effective function of business organization</p> <p>C05[K5]:justify the accounting information to interested parties like owner of business, shareholders, manager, creditors, debtors and employees etc</p>
49.		Major Elective Course - III:	C01[K1]: describe the basic concepts, functions and process of HRM



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	21UCPO61	1. Human Resource Management	CO2[K2]: explain the importance of human resources and their effective management in organizations CO3[K3]: apply various techniques and methods to solve problems in work place CO4[K4]: analyse the system of recruitment, selection, training and development technically CO5[K5]: assess the factors affecting performance appraisal of HRM
50.	21UCPO62	2. Auditing	CO1 [K1]: describe the concept, types and methods of auditing CO2 [K2]: examine the internal control system from internal check CO3 [K3]: choose the various types of audit for preparation of financial statement CO4 [K4]: classify the different types of audit Programme and audit report CO5 [K5]: assess the audit procedure in different types of undertakings
51.	21UCPO63	3. Banking Theory Law and Practice	CO1[K1]: define the fundamental notions of banking CO2[K2]: express the various services provided by banking industry CO3[K3]: apply the banking terminology in functional existence CO4[K4]: examine the consequences of banking in current scenario CO5[K5]: evaluate the challenges and problems in the banking system



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52.	21UCPS61	Skill Enhancement Course - VI: Personality Development	CO1[K1]: describe various skills relating to personality development CO2[K2]: identify the sense of personal identity, a positive sense of self and a personal code of ethics CO3[K3]: develop effective communication and presentation skills CO4[K4]: examine the importance of soft skills for self development CO5[K5]: assess the task requirements, identification of strength to achieve the set objectives