



PRIST
DEEMED TO BE
UNIVERSITY
NAAC ACCREDITED
THANJAVUR – 613 403 - TAMIL NADU



**SCHOOL OF COMMERCE AND
MANAGEMENT**
BACHELOR OF COMMERCE
B.COM CA
(2020 REGULATION)
SYLLABUS



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B.COM CA PROGRAMME

Commerce is a professional course among the various arts subjects. Commerce is instrumental in bringing about changes in all aspects of the society. It promotes growth and development. The changes in the economic policies of the country and the computer application in business offer variety of opportunities for innovative and creative people to carry out their career with new vigor and enthusiasm.

In the present scenario the market based system has gradually expanded across the world securing a strong position in the market overcoming all borders and barriers.

The rapid changes in the field of economics, information technology, politics and also in the organizational structure and the increased complexities of the business world poses series of problems to the modern commerce student. At this backdrop the new syllabus is designed for the B.Com CA Programme of the **PRIST UNIVERSITY**

B.COM CA
PROGRAMME OUTCOME-PO

PO1	To train them to communicate commerce by improving their English vocabulary, Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology
PO2	Graduates will be able to develop strong understanding of core Commerce and Computer Application courses
PO3	Able to take up challenging career options in Commerce and IT sector
PO4	Become ethically and socially responsible commerce graduates with computer application knowledge
PO5	Apply the knowledge of mathematics, Social science, accounting fundamentals, and computer specialization to the solution of complex accounting & management problems

PROGRAMME SPECIFIC OUTCOME-PSO

PSO1	Graduates will gain a strong foundation of knowledge in different areas of Commerce and Computer Application courses
PSO2	Graduates will be able to do pursue higher education and take-up jobs in the field of Commerce and Computer Applications
PSO3	To develop an attitude for working effectively and efficiently in a business environment

PROGRAMME EDUCATIONAL OBJECTIVES – PEO

PEO1	To provide in depth knowledge in Commerce and Computer Application courses
PEO2	To provide a strong foundation for higher education

PEO3	To train the students in the application of computers in various business operations
PEO4	To nurture the students with the intellectual, personal and societal skills for an holistic education
PEO5	To inculcate initiative in students for better industry acceptance with necessary skills



SCHOOL OF COMMERCE AND BUSINESS MANAGEMENT

DEPARTMENT OF COMMERCE

B. Com, COMPUTER APPLICATION- REGULATION 2020

COURSE STRUCTURE

SEMESTER – I

Course Code	Course Title	L	T	P	C
THEORY					
20110AEC11/ 20111AEC11/ 20132AEC11/ 20135AEC11	Tami – I/Advanced English-I/Hindi-I/ French - I	4	0	0	2
20111AEC12	English-I	4	0	0	2
20198SEC13	Financial Accounting	5	1	0	4
20198SEC14	Business Management	4	1	0	3
20198AEC15	Information Technology	3	1	0	4
20198AEC16	Operating System	3	0	0	2
Total		23	3	0	17
AUDIT COURSE					
201LSCIC	Indian Constitution	-	-	-	2
201LSCUV	Universal Human Values	-	-	-	2

SEMESTER – II

Course Code	Course Title	L	T	P	C
THEORY					
20110AEC21/ 20111AEC21/ 20132AEC21/ 20135AEC21	Tamil – II/ Advanced English-II/Hindi-II/ French – II	4	0	0	2
20111AEC22	English-II	4	0	0	2
20198SEC23	Business Accounting	5	1	0	4
20198SEC24	Business Law	4	1	0	4
20198AEC25	Programming in C	4	1	0	4
PRACTICAL					
20198SEC26L	Programing in C Lab	0	0	3	2
RESEARCH SKILL BASED COURSE					
20198RLC27	Research Led Seminar	-	-	-	1
Total		21	3	3	18
AUDIT COURSES					
201LSCCS	Communication Skills	-	-	-	2
201SSCBE	Basic Behavioral Etiquette	-	-	-	2

SEMESTER – III

Course Code	Course Title	L	T	P	C
THEORY					
20110AEC31/ 20132AEC31/ 20111AEC31/ 20135AEC31	Tamil – III/Hindi-III/Advanced English-III/ French – III	4	0	0	2
20111AEC32	English-III	4	0	0	2
20198SEC33	Cost Accounting	5	1	0	4
20198SEC34	Banking Theory Law and Practice	4	0	0	4
20198AEC35	Programming in C++	3	1	0	3
PRACTICAL					
20198AEC36L	Programming in C++ lab	0	0	3	2
RESEARCH SKILL BASED COURSE					
20120RMC37	Research Methodology	2	0	0	2
Total		22	2	3	19
AUDIT COURSE					
201LSCOA	Office Automation	-	-	-	2

SEMESTER – IV

Course Code	Course Title	L	T	P	C
THEORY					
20110AEC41/ 20111AEC41/ 20132AEC41/ 19135AEC41	Tamil-IV/Advanced English-IV /Hindi-IV/ French – IV	4	0	0	2
20111AEC42	English-IV	4	0	0	2
20198SEC43	Auditing	4	1	0	3
20198SEC44	Business Statistics	5	1	0	4
20198AEC45	Visual Basic Programming	3	0	0	4
201ENSTU47	Environmental Studies	2	0	0	2
PRACTICAL					
20198AEC46L	Visual Basic Programming Lab	0	0	3	2
Total		22	2	3	19
AUDIT COURSE					
201LSCLS	Leadership and Management Skills	-	-	-	2
201SSCAQ	General Aptitude and Quantitative Ability				2

SEMESTER – V

Course Code	Course Title	L	T	P	C
THEORY					
20198SEC51	Corporate Accounting	5	1	0	4
20198SEC52	Business Economics	4	1	0	4
20198SEC53	Financial Management	5	1	0	4
20198SEC54	Software Engineering	4	1	0	4
20198DSC55_	Discipline Specific Elective – I	3	0	0	2

RESEARCH SKILL BASED COURSE					
20120BRC56	Participation in Bounded Research	-	-	-	1
Total		21	4	0	19
AUDIT COURSE					
201ACLSPSL	Professional Skills	-	-	-	2

SEMESTER – VI

Course Code	Course Title	L	T	P	C
THEORY					
20198SEC61	Management Accounting	5	1	0	5
20198SEC62	Income Tax Law and Practice	5	1	0	5
20198SEC63	Database Management System	4	1	0	4
20198DSC64_	Discipline Specific Elective – II	3	0	0	2
201_ _OEC(2 Digit Course Name)	Open Elective	4	0	0	2
20198PRW66	Project Work	-	-	-	4
20198PROEE	Program Exit Examination	-	-	-	1
Total		22	3	0	23
AUDIT COURSE					
201SSCIM	Interview Skills Training and Mock Test	-	-	-	2
201LSCCE	Community Engagement	-	-	-	1
Total Credits -Programme					115
Total Credits - Audit Courses					19

DISCIPLINE SPECIFIC ELECTIVE

SEMESTER	COURSE CODE	COURSE TITLE
V	20198DSC55A 20198DSC55B	Management Information System Stock Market Practice
VI	20198DSC64A 20198DSC64B	E- Commerce Web Designing

OPEN ELECTIVE

SEMESTER	COURSE CODE	COURSE TITLE
VI	201TAOEC 201ENOEC 201MAOEC 201PHOEC 201CHOEC 201MBOEC 201CSOEC 201CAOEC	Tamil Ilakkiya Varalaru Journalism Development of Mathematical Skills Instrumentation Food and Adulteration Wild Life Conservation Web Technology E-Learning

B.Com – CA Credit Distribution

Sem	AEC	SEC	DSC	OEC	Research	Others	Total
I	10	06	-	-	-	01	17
II	10	07	-	-	01	-	18
III	10	07	-	-	02	-	19
IV	09	07	-	-	-	03	19
V	-	16	02	-	01	-	19
VI	-	16	02	02	-	03	23
Total	39	59	04	02	04	07	115

Course Code	Course Title	L	T	P	C
20110AEC11	Tamil-I	4	0	0	2

பிரிஸ்ட் நிகர்நிலைப் பல்கலைக்கழகம்- வல்லம், தஞ்சாவூர்

பாட குறியாடு :

தமிழ் முதல் பருவம்

முதலாம் ஆண்டு

இக்கால இலக்கியம் - செய்யுள், சிறுகதை , நாடகம், இலக்கிய வரலாறு

அலகு : 1.செய்யுள்

1. தாயுமானவ சுவாமிகள் - ஆதார புவனம் - சிதம்பர ரகசியம் - 40 அடிகள்
2. இராமலிங்க அடிகள் - திருவருட்பா - கருணை விண்ணப்பம் - 40 அடிகள்
3. கவிமணி தேசிக விநாயகம் பிள்ளை - மலரும் மாலையும் - 52 அடிகள்
4. பாரதியார் - புதுமைப்பெண் - 40 அடிகள்
5. பாரதிதாசன் - பாரதிதாசன் கவிதைகள் ,தமிழ் இனிமை , தமிழ் உணவு

அலகு : 2. செய்யுள்:

6. நாமக்கல் கவிஞர் - தமிழ் தேன் - தமிழ் வளர்க்க சபதம் செய்வோம் , 40 அடிகள்
7. ந.பிச்சமுர்த்தி - வழித்துணை - கவிதை கருடன் , 42 அடிகள்
- 8.சுரதா - தேன்மழை, கலப்பை , 22 அடிகள்
9. கண்ணதாசன் - இலக்கியம் , ஒரு பாணையின் கதை , 54 அடிகள்
10. அப்துல் ரகுமான் - சொந்த சிறகுகள், குப்பையை கிளறும் சிறகுகள், 80 அடிகள்

அலகு : 3. சிறுகதை :

11. சு.சமுத்திரம் - வேரில் பழுத்த பலா

அலகு : 4. நாடகம் :

12. கு. வெ. பாலசுப்பிரமணியன் , கௌதம புத்தர் (உரைநடை நாடகம்)

அலகு : 5. இலக்கிய வரலாறு

13. சிறுகதை , புதினம், நாடகம் உரைநடை , கவிதை , புதுக்கவிதை

Course Code	Course Title	L	T	P	C
20111AEC11	Advanced English-I	4	0	0	2

Aim:

- To improve the knowledge of English

Course Objective:

- To familiarize with the glossary terms, figures of speech
- To enhance vocabulary
- To learn how to edit and proof read
- To know the comparison and contrast and cause and effect forms
- To understand the impact of the speeches of famous people

Course Outcome:

- Develop vocabulary
- Learn to edit and do proof reading
- Read and comprehend literature

UNIT –I

Glossary of grammar terms, Figures of speech

UNIT – II

Foreign words and phrases, British and American Vocabulary

UNIT – III

Comparison and contrast, Cause and effect

UNIT – IV

Editing , Proof reading

UNIT – V

Speeches of famous people:

Mahatma Gandhi-Abraham Lincoln-Swami Vivekananda-John F. Kennedy

Reference book:

Author	Title of the book	Edition / Year	Publisher
Wren and Martin	English Grammar	2009	S.Chand& Company Ltd
Meenakshi Raman & Sangeetha Sharma	Technical Communication	Second Edition 2011	Oxford University Press
Sudhir Kumar Sharma	The World's Great Speeches	-	Galaxy Publishers

Course Code	Course Title	L	T	P	C
20111AEC12	English-I	4	0	0	2

Aim:

- i. To acquaint with learning English through literature

Objective:

- ii. To improve English delightfully through simple poems, essays
- iii. To throw light on fiction
- iv. To read and comprehend literature

Outcome:

- v. Read and comprehend literature
- vi. Appreciate the different types of poetry and prose

UNIT –I

Because I could not Stop for Death -Emily Dickinson

Stopping by Woods on a Snowy Evening -Robert Frost

UNIT – II

Enterprise -Nissim Ezekiel

Love poem for a wife -A.KRamanujam

UNIT –III

The Art of Reading - Lin Yutang

An Eco-Feminist Vision -ArunaGnanadason

UNIT –IV

The Merchant of Death -Nanda Kishore Mishra & John Kennet

She Spoke for all Nature -Young world 'The Hindu'

UNIT –V

Oliver Twist

-Charles Dickens

Text book:

Author	Title of the book	Edition / Year	Publisher
S.Murugesan/Dr.K.Chellappan	The Art of Reading/ Experiencing Poetry	Reprint 2004	Emerald Publishers

PRIST UNIVERSITY, THANJAVUR B.COM – CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC 13	Financial Accounting	4	1	0	4

AIM:

- This programme is designed to provide high quality education in theoretical and practical knowledge and skills in various aspects of accounting

OBJECTIVE:you should be able to

- Define accounting and trace the origin and growth of accounting.
- Explain the nature and objectives of accounting.
- Discuss the branches, role and limitations of accounts

UNIT -I

Definition of ‘account’ — the nature, Objects and utility of accounting in Industrial and Business enterprises — Books for accounts — Accounting concepts and postulates.

UNIT -II

The theory of double entry — book keeping — Journal — Subsidiary books — Ledger Trail Balance.

UNIT -III

Statement of accounts — Manufacturing account — Trading account — Profit and Loss account.

UNIT -IV

The Balance sheet and various forms it may take. Capital and revenue — income and expenditure account — Receipts and payments. Depreciation, reasons and provisions.

UNIT-V

Consignment- meaning, features of consignment transaction, distinction between consignment and sale, joint venture, meaning, features, difference 'between joint venture and partnership, joint venture and consignment.

OUTCOME:

- Understanding the fundamental of financial accounting
- Develop the modern market economy
- prepare the different kinds of financial statement
- Acquire conceptual knowledge of basics of accounting
- Identify and analyze the reasons for the difference between cash book and pass book balances
- Develop the skill of recording financial transactions and preparation of reports in accordance with GAAP
- The course helped the students the principles and objectives of basic Financial accounting.

Text Book Reference:

1. Advanced Accounting — S. P. Jain and K. L. Narang — Kaliyani Publisher.
2. Principles of Accounting — Finnelly H. A. Miller H. E., PHLAuditing – Tandon

SEMESTER - I

**PRIST UNIVERSITY, THANJAVUR
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COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC 14	Business Management	3	1	0	3

AIM

- One can apply functional and foundational concepts to think critically and solve business problems.

OBJECTIVES: Students will learn

- To enable business managers to get the concept of how to manage business venture effectively and efficiently.
- Enhance the skills of managers and in this changing business environment.
- To equip managers, employees and potential employees with the knowledge, skills and attitude that they need for effective business management.

UNIT –I

Business Management — Nature — Functions — Management Vs Administration — Science or Art — Contribution by Taylor and Henry Fayol & Peter Drucker

UNIT -II

Planning — Process — Kinds of Planning — Objectives — Strategies, Policies, Procedure, Methods and rule — Forecasting and Planning — Advantages & Limitations - Management by Objectives.

UNIT -III

Organizing — Process — Features — Elements — Structure — Different Forms — Principles of Organization — Departmentation, Delegation and Decentralization

UNIT-IV

Staffing — Process - Manpower planning — Recruitment — Selection — Training and development

UNIT - V

Directing and Co-ordination: Principles — Elements — Controlling — Steps.

OUTCOME:

- Apply conceptual learning skills in today's business environment.
- Analyze financial performance of an organization.
- Evaluate organizational decisions with consideration of the political, legal and ethical aspects of business.
- Understand relationship between environment and business; Applying the environmental analysis techniques in practice
- Assess strengths, weaknesses, opportunities and threats of the business environment.
- Know state policies Economic legislations and Economic reforms laid by the government

Reference Books

1. L.M. Prasad - Principles of Management
2. Dinker Pagare - Business Organization and Management
3. Dr. C.B.Gupta - Business Management

SEMESTER - I

PRIST UNIVERSITY, THANJAVUR B.COM - CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198AEC 15	Information Technology	3	1	0	4

AIM

- To provide opportunity for the study of modern methods of information processing and its applications

OBJECTIVES

- Show an awareness of what the major computer components are and how they act as system
- appreciate that computers need instructions to operate and acquire simple programming skills

UNIT-I:

Information Concepts and Processing: Concepts of data, data type, information, need for information evolution of information processing.

UNIT- 2:

Elements of computer processing systems: Classification of computers, Hardware CPU, storage devices and media, Software systems and applications.

UNIT-3:

Programming languages, Machine language, assembly language, high-level language, Fourth generation language, compilers, interpreters.

UNIT-4:

General Concept of OOPS (Object oriented programming) Operating Systems: Concept and function of Operating system.

UNITE-5:

Batch processing, Multiprogramming, Real time, time sharing, distributed system.

OUTCOME:

- Perform end user support including identifying and implementing solutions to user requests.
- Analyze technical requirements to determine resource requirements and the impact the solution will have on an organization.
- Design, plan, budget and propose an IT project for an identified need within a specific scope.
- Install technical hardware and software including network, database and security components.
- Perform routine maintenance to maintain the currency of an operating system, network, database and security needs.
- Identify and resolve technical problems using trouble-shooting and research techniques.
- Analyze and select application and operating system settings to create an optimal user environment.

References:

1. "Computer Fundamentals" by P.K. Sinha
2. Sanders, D.H. "Computers today" Mc-Graw-Hill, 1988
3. S. Jaiswal, "Information Technology today", Galgotia Pub., New Delhi 1999,

SEMESTER - I

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COURSE CODE	COURSE TITLE	L	T	P	C
20198AEC 16	Operating System	3	0	3	2

AIM:

- Provide proficiency skill of operating system to the target students

OBJECTIVES

- To learn the fundamentals of Operating Systems.
- To learn the mechanisms of OS to handle processes and threads and their communication
- To learn the mechanisms involved in memory management in contemporary OS

UNIT- I

Evolution of Operating Systems — Types of Operating Systems — Different views of OS — Design and implementation of Operating Systems — I/O Programming concepts — Interrupt structure and Processing.

UNIT-II

Memory management: Single contiguous allocation — Partitioned Allocation — Relocatable Partitioned Allocation — Paged and Demand Pages Memory Management — Segment Memory Management — Segmented and Demand Paged Memory Management — Swapping and Overlay Techniques.

UNIT- III

Processor management: Job Scheduling — Process Scheduling — Functions and Policies — Evaluation of Round Robin Multiprogramming performance — Process synchronization — Race condition — Synchronization Mechanism — Deadly Embrace Prevention and Detect and Recover Methods.

UNIT- IV

Device management: Techniques for device management — Device Characteristics — I/O Traffic controller, I/O scheduler, I/O device handler —Virtual Devices Spooling

UNIT-V

File management: Simple file system, General Model of a file system, Physical and Logical file system.
Case studies: DOS, UNIX/LINUX Operating systems

OUTCOMES:

- Describe and explain the fundamental components of a computer operating system. [ABET (a), (i), (j), (k)] Assessment: Students will take midterm exams, final exams, and homework
- Describe and explain the fundamental components of a computer operating system. [ABET (a), (i), (j), (k)] Assessment: Students will take midterm exams, final exams, and homework.
- Define, restate, discuss, and explain the policies for scheduling, deadlocks, memory management, synchronization, system calls, and file systems. [ABET (a), (i), (j), (k)] Assessment: Students will take midterm exams, final exams, and homework.
- Describe and extrapolate the interactions among the various components of computing systems. [ABET (a), (i), (j), (k)] Assessment: Students will take midterm exams, final exams, and homework
- Design and construct the following OS components: System calls, Schedulers, Memory management systems, Virtual Memory and Paging systems. [ABET (a), (c), (i), (j), (k)] Assessment: Students will design and implement the above OS components within NACHOS with C++.

Reference:

1. Operating systems — E. Madnick and John J. Donovan —Tata McGraw Hill
2. Operating Systems (Concepts and Design) Milan Milenkovic - McGraw Hill International Edition

Course Code	Course Title	L	T	P	C
201ACLSICN	Indian Constitution	-	-	-	2

Aim

Course Objectives:

- To make the students understand about the democratic rule and parliamentary administration
- To appreciate the salient features of the Indian constitution
- To know the fundamental rights and constitutional remedies
- To make familiar with powers and positions of the union executive, union parliament and the supreme court
- To exercise the adult franchise of voting and appreciate the electoral system of Indian democracy.

Course outcome:

1. Democratic values and citizenship training are gained
2. Awareness on fundamental rights are established
3. The function of union government and state government are learnt
4. The power and functions of the judiciary are learnt thoroughly
5. Appreciation of democratic parliamentary rule is learnt

Unit I:The making of Indian constitution

The constitution assembly organization –character -work salient features of the constitution-written and detailed constitution -socialism –secularism-democracy and republic.

Unit II: Fundamental rights and fundamental duties of the citizens

Right of equality -right of freedom- right against exploitation -right to freedom of religion-cultural and educational rights -right to constitutional remedies -fundamental duties .

Unit III: Directive principles of state policy

Socialistic principles-Gandhi an principles-liberal and general principles -differences between fundamental rights and directive principles

Unit IV: The union executive, union parliament and Supreme Court

Powers and positions of the president -qualification _method of election of president and vice president -prime minister -Rajya Sabah -Lok Sabah .the supreme court -high court -functions and position of supreme court and high court

Unit V: State council -election system and parliamentary democracy in India

State council of ministers -chief minister -election system in India-main features election commission-features of Indian democracy.

References:

- 1) Palekar.s.a. Indian constitution government and politics, ABD publications, India
- 2) Aiyer, alladi krishnaswami, Constitution and fundamental rights 1955.
- 3) Markandan. k.c.directive Principles in the Indian constitution 1966.
- 4) Kashyap. Subash c, Our parliament ,National book trust , New Delhi 1989

Course Code	Course Title	L	T	P	C
201ACLSUHV	Universal Human Values	-	-	-	2

Aim:

This course aims at making learners conscious about universal human values in an integral manner, without ignoring other aspects that are needed for learner’s personality development.

Course Objectives :

The present course deals with meaning, purpose and relevance of universal human values and how to inculcate and practice them consciously to be a good human being and realize one’s potentials.

Course Outcomes :

By the end of the course the learners will be able to:

1. Know about universal human values and understand the importance of values in individual, social circles, career path, and national life.
2. Learn from case studies of lives of great and successful people who followed and practiced human values and achieved self-actualisation.
3. Become conscious practitioners of human values.
4. Realize their potential as human beings and conduct themselves properly in the ways of the world.

Unit I

- Introduction: What is love? Forms of love for self, parents, family, friend, spouse, community, nation, humanity and other beings, both for living and non-living
- Love and compassion and inter-relatedness
- Love, compassion, empathy, sympathy and non-violence
- Individuals who are remembered in history for practicing compassion and love.
- Narratives and anecdotes from history, literature including local folklore
- Practicing love and compassion: What will learners learn/gain if they practice love and compassion? What will learners lose if they don't practice love and compassion?
- Sharing learner's individual and/or group experience(s)
- Simulated Situations
- Case studies

Unit II

- Introduction: What is truth? Universal truth, truth as value, truth as fact (veracity, sincerity, honesty among others)
- Individuals who are remembered in history for practicing this value
- Narratives and anecdotes from history, literature including local folklore
- Practicing Truth: What will learners learn/gain if they practice truth? What will learners lose if they don't practice it?
- Learners' individual and/or group experience(s)
- Simulated situations
- Case studies

Unit III

- Introduction: What is non-violence? Its need. Love, compassion, empathy, sympathy for others as pre-requisites for non-violence
- Ahimsa as non-violence and non-killing
- Individuals and organisations that are known for their commitment to non-violence
- Narratives and anecdotes about non-violence from history, and literature including local folklore
- Practicing non-violence: What will learners learn/gain if they practice non-violence? What will learners lose if they don't practice it?
- Sharing learner's individual and/or group experience(s) about non-violence
- Simulated situations
- Case studies

Unit IV

- Introduction: What is righteousness?
- Righteousness and *dharma*, Righteousness and Propriety
- Individuals who are remembered in history for practicing righteousness
- Narratives and anecdotes from history, literature including local folklore
- Practicing righteousness: What will learners learn/gain if they practice righteousness? What will learners lose if they don't practice it?
- Sharing learners' individual and/or group experience(s)

- Simulated situations
- Case studies

Unit V

- Introduction: What is peace? Its need, relation with harmony and balance
- Individuals and organisations that are known for their commitment to peace
- Narratives and Anecdotes about peace from history, and literature including local folklore
- Practicing peace: What will learners learn/gain if they practice peace? What will learners lose if they don't practice it?
- Sharing learner's individual and/or group experience(s) about peace
- Simulated situations
- Case studies

Unit VI

- Introduction: What is service? Forms of service for self, parents, family, friend, spouse, community, nation, humanity and other beings—living and non-living, persons in distress or disaster.
- Individuals who are remembered in history for practicing this value.
- Narratives and anecdotes dealing with instances of service from history, literature including local folklore
- Practicing service: What will learners learn/gain gain if they practice service? What will learners lose if they don't practice it?
- Sharing learners' individual and/or group experience(s) regarding service
- Simulated situations
- Case studies

Unit VII

- Introduction: What is renunciation? Renunciation and sacrifice. Self-restrain and Ways of overcoming greed. Renunciation with action as true renunciation
- Individuals who are remembered in history for practicing this value.
- Narratives and anecdotes from history and literature, including local folklore about individuals who are remembered for their sacrifice and renunciation.
- Practicing renunciation and sacrifice: What will learners learn/gain if they practice Renunciation and sacrifice? What will learners lose if they don't practice it?
- Sharing learners' individual and/or group experience(s)
- Simulated situations
- Case studies

SEMESTER II

Course Code	Course Title	L	T	P	C
20110AEC21	Tamil-II	4	0	0	2

பிரிஸ்ட் நிகர்நிலைப் பல்கலைக்கழகம்- வல்லம், தஞ்சாவூர்
பாட குறியாடு :
தமிழ் இரண்டாம் பருவம்
முதலாம் ஆண்டு
செய்யுள் , பக்தி இலக்கியம், சிற்றிலக்கியம் , இலக்கிய வரலாறு

அலகு : 1. செய்யுள்:

1. திருஞானசம்பந்தர் தேவாரம் - கோளறு பதிகம்
2. திருநாவுக்கரசர் தேவாரம் - தனிக் குறுந்தொகை
3. சுந்தரர் தேவாரம் - திருநொடித் தான் மலை
4. மாணிக்கவாசகர் - திருவாசகம் - தருப்பொன் ஊசல்

அலகு : 2 . செய்யுள்:

5. குலசேகராழ்வார் - பெருமாள் திருமொழி
6. நம்மாழ்வார் திருவாய் மொழி - இரண்டாம் பத்து - உலகிற்கு உபதேசம்
7. ஆண்டாள் - நாச்சியார் திருமொழி - திருமணக்கனவை உரைத்தல்
8. திருமங்கை ஆழ்வார் - சிறிய திருமடல்

அலகு : 3 . செய்யுள்:

- 9 . திருமூலர் - மூன்றாம் திருமுறை
- 10 . குமரகுருபரர் - மானாட்சியம்மைப் பிள்ளை - தமிழ் வருகைப் பருவம்
- 11 . திரிகூடராசப்பக்கவிராயர் - குற்றாலக்குறவஞ்சி - குறத்தி நாட்டு வளங் கூறுதல்
- 12 . வீரமாமுனிவர் - திருக்காவலூர்க் கலம்பகம்

அலகு : 4 . புதினம்

- 13 . கு.வெ. பாலசுப்ரமணியன் - காளவாய்

அலகு : 5 . இலக்கிய வரலாறு

- 14 . சைவ வைணவ இலக்கியங்கள் , சிற்றிலக்கியங்கள் , (பள்ளு - பிள்ளைத்தமிழ் , - பரணி)

Course Code	Course Title	L	T	P	C
20111AEC21	Advanced English-II	4	0	0	2

Aim:

- To improve the knowledge of English

Objective:

- To understand the format of e-mail, fax and memos
- To write itinerary, checklist, invitation, circular, instruction, recommendations
- To understand the impact of the biographies of famous people

Outcome:

- Develop technological skill
- Able to write in a variety of formats
- Read biographies and develop personality

UNIT –I

E-mail, Fax , Memos

UNIT – II

Itinerary, Checklist

UNIT – III

Invitation, Circular

UNIT – IV

Instruction , Recommendations

UNIT – V

Biographies of famous people: Mother Teresa-Madam Curie-Charles Chaplin-Vikram Sarabhai

Text Book

Author	Title of the book	Edition / Year	Publisher
Meenakshi Raman & Sangeetha Sharma	Technical Communication	2011	Oxford University Press
Rajendra Pal &J.S.Korlahalli	Business Communication	2015	Sultan

Course Code	Course Title	L	T	P	C
20111AEC22	English-II	4	0	0	2

Aim:

- To acquaint learners with different trends of writing

Objective:

- To acquire language skills through literature
- To enable the students to appreciate literature
- To develop the conversational skills through one act plays

Outcome:

- Appreciate different forms of literature
- Acquire language skills through literature
- Broaden the horizon of knowledge

UNIT – I

Ecology

-A.K. Ramanujan

Gift

-Alice Walker

The First Meeting

-Sujata Bhatt

UNIT –II

Fueled

-Marcie Hans

Asleep

-Ernst Jandl

Buying and selling

-Khalil Gibran

UNIT –III

The End of living and The Beginning of Survival - Chief Seattle
 My Wood - E.M.Forster
 The Meeting of Races - Rabindranath Tagore

UNIT – IV

The Refugee -K.A. Abbas
 I Have a Dream -Martin Luther king
 Those People Next Door -A.G. Gardiner

UNIT – V

Marriage is a private Affair -Chinua Achebe
 The Fortune Teller -Karel Capek
 Proposal -Anton Chekov

Text book:

Author	Title of the book	Edition / Year	Publisher
Gowri Sivaraman	Gathered Wisdom	Reprint 2010	Emerald Publishers

SEMESTER - II

**PRIST UNIVERSITY, THANJAVUR
 B.COM – CA**

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC 23	Business Accounting	5	1	0	4

AIM:

- To learn the accounting mechanism this is necessary for Business Accounting.

OBJECTIVES

- I. To ascertain the Profit of Branches & Departments.
- II. To learn Hire Purchase and Royalties Accounting.
- III. To practice Partnership Accounting.

UNIT- I

Final Accounts of a Sole Trader – Adjustments.

UNIT-II

Departmental accounts – Hire purchase accounts –Royalty accounts.

UNIT- III

Average due Date – Sale or Return –Bills of Exchange

UNIT- IV

Depreciation – Methods – Fixed – Diminishing – Annuity – Depreciation Fund – Provision and Reserves.

UNIT-V

Partnership Fundamentals- Partnership- Final Accounts

OUTCOMES:

- familiarize the concept of Branch account and its system
- understand the Scope of departmental accounting
- Appreciate the need for negotiable instruments and procedure of accounting for bills honoured and dishonoured
- Differentiate Trade bills from Accommodation Bills
- Understand the concept of Consignment and learn the accounting treatment of the various aspects of consignment
- Distinguish Joint Venture and Partnership and to learn the methods of maintaining records under Joint Venture
- Understand the meaning and features of Non-Profit Organizations
- Learn to prepare Receipts & Payment Account, Income & Expenditure Account and Balance Sheet for Non-Profit Organizations

Reference Books:

1. Jain, S.P. and K.L. Narang. Financial Accounting. Kalyani Publishers, New Delhi.
2. S. N. Maheshwari, Financial Accounting, Vikas Publication, New Delhi. T.S, Grewal, Introduction to Accounting, S. Chand and Co., New Delhi
3. Accounting for Managers – J. Made Gowda – Himalaya Publishing House
4. Financial accounting Reddy and Murthy

SEMESTER - II

PRIST UNIVERSITY, THANJAVUR B.COM - CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC 24	Business Law	4	1	0	4

AIM

- Developing proficiency skill of Business law

OBJECTIVE

1. Undertake and promote research on Business laws & attract students of the highest caliber to the Law School's programs and
2. Provide opportunities for their involvement in Business law research projects.

Unit I

Nature and Sources of law — Law of contracts — Essentials of valid contract —
Classification of contracts

Unit —II

Offer and acceptance — consideration -- capacity to contract — Free consent Legality of
object

Unit —III

Performance of contracts — Discharge of contract — Remedies for breach of contract — Quasi contracts

Unit —IV

Contracts of agency — Different classes of agents — creation of agency — Rights and duties of an agent -- scope of agents authority — Liability of principles to third parties — Personal liability of agent — Bailment and pledge.

Unit — V

Contract of Indemnity and guarantee — Rights of Indemnity holder — Rights of surety — Nature and extent of surety's liabilities

OUTCOME:

- Explain the concepts in business laws with respect to foreign trade
- Apply the global business laws to current business environment
- Demonstrate an understanding of the Legal Environment of Business.
- Communicate effectively using standard business and legal terminology.
- Demonstrate recognition of the requirements of the contract agreement
- Identify contract remedies
- understand the various provisions of Company Law

Reference Books:

1. N.D.Kapoor — Elements of commercial law.
2. MLC. Shukla — Mercantile law.
3. P.P.S. Gogna — A Text book of Business Law.
4. S.N.Maheswari— Mercantile law.

SEMESTER - II

PRIST UNIVERSITY, THANJAVUR B.COM - CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198AEC 25	Programming in C	4	1	0	3

AIM

- This course is aimed at advancing concepts of programming and software code organization within the framework of structural and procedural programming paradigms.

OBJECTIVE

- Students will be able to develop logics which will help them to create programs, applications in C
- Also by learning the basic programming constructs they can easily switch over to any other language in

UNIT -I

Evolution and Applications of C — Structure of a C Program — Data Types —.Declarations — Operators — Expressions — Type conversions — Built-in functions. -

UNIT-II

Data Input and Output — Control statements: if, else-if, goto, switch, while-do, do-while, for, break & continue.

UNIT -III

Functions: Defining and accessing functions-passing parameters of functions- Arguments -Recursive functions — Storage classes, Arrays: Defining and processing Arrays + Multi dimensional arrays — passing arrays to functions ~ Arrays and strings — String functions — String Manipulations.

UNIT- IV

Pointers: Pointers Declarations — Operations on pointers — pointers to functions — Pointer and Strings — pointers and arrays — array of pointers Structures: Structures and pointers — unions.

UNIT-V

Data files - Opening, Closing, and processing files — Files with structures and unions — Register variables — Bit wise Operations - Macros- Preprocessing.

OUTCOMES:

- Understanding a functional hierarchical code organization.
- Ability to define and manage data structures based on problem subject domain.
- Understanding a concept of object thinking within the framework of functional model.
- Understanding a concept of functional hierarchical code organization.
- Understand operators, expressions and preprocessors.
- Understand arrays, its declaration and uses.

Book for Reference:

1. “Programming with C” — Byron S.Gottfried — Schaum’s outline series — Tata McGraw-Hill publications.
2. Let us C “~ Yeswant kanetkar — BPB Publications.
3. “Programming in C” ~ E. Balagurusamy — Tata McGraw-Hill Publications

SEMESTER - II

PRIST UNIVERSITY, THANJAVUR B.COM - CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198AEC26L	Programming in C Lab	0	0	3	2

AIM

- Focusing on discussing how to write a program of moderate complexity by using C language.

OBJECTIVE

1. Ability to work with textual information, characters and strings.

2. Understanding a concept of object thinking within the framework of functional model
1. Solution of a Quadratic Equation (all cases)
2. Sum of Series (Sine, Cosine, e)
3. Ascending and descending order of number using Arrays (Use it to find largest and smallest numbers).
4. Sorting of names in Alphabetical order.
5. Write a C program for Matrix Operations (Addition, Subtraction, Multiplication-use functions).
6. String Manipulation without using String functions (String length, String Comparison, String Copy, Palindrome checking, counting words and lines in strings — use function pointers).
7. Creation and processing of Sequential files for Mark listpreparation(Use Structures for Record Description)
8. Develop an Invoice application
9. Payroll preparation
10. EB bill preparation

OUTCOME:

- Develop their programming skills.
- Declaration of variables and constants
- Be familiar with programming environment with C Program structure.
- Ability to work with textual information, characters and strings
- Understanding a defensive programming concept. Ability to handle possible errors during program execution
- Understanding a functional hierarchical code organization. Ability to define and manage data structures based on problem subject domain.

SEMESTER II

COMMUNICATION SKILLS

Course Code	Course Title	L	T	P	C
201ACLSCOS	Communication Skills	-	-	-	2

Aim:

Course Objectives:

This course has been developed with the following objectives:

1. Identify common communication problems that may be holding learners back
2. Identify what their non-verbal messages are communicating to others

3. Understand role of communication in teaching-learning process
4. Learning to communicate through the digital media
5. Understand the importance of empathetic listening
6. Explore communication beyond language.

Course Outcome:

By the end of this program, participants should have a clear understanding of what good communication skills are and what they can do to improve their abilities.

Unit I

- Techniques of effective listening
- Listening and comprehension
- Probing questions
- Barriers to listening

Unit II

- Pronunciation
- Enunciation
- Vocabulary
- Fluency
- Common Errors

Unit III

- Techniques of effective reading
- Gathering ideas and information from a given text
 - i. Identify the main claim of the text
 - ii. Identify the purpose of the text
 - iii. Identify the context of the text
 - iv. Identify the concepts mentioned
- Evaluating these ideas and information
 - i. Identify the arguments employed in the text
 - ii. Identify the theories employed or assumed in the text
- Interpret the text
 - i. To understand what a text says
 - ii. To understand what a text does
 - iii. To understand what a text means

Unit IV

- Clearly state the claims
- Avoid ambiguity, vagueness, unwanted generalizations and oversimplification of issues
- Provide background information
- Effectively argue the claim
- Provide evidence for the claims
- Use examples to explain concepts
- Follow convention
- Be properly sequenced
- Use proper signposting techniques
- Be well structured
 - i. Well-knit logical sequence
 - ii. Narrative sequence
 - iii. Category groupings

- Different modes of Writing-
 - i. E-mails
 - ii. Proposal writing for Higher Studies
 - iii. Recording the proceedings of meetings
 - iv. Any other mode of writing relevant for learners

Unit V

- Role of Digital literacy in professional life
- Trends and opportunities in using digital technology in the workplace
- Internet Basics
- Introduction to MS Office tools
 - i. Paint
 - ii. Office
 - iii. Excel
 - iv. Power point

Unit VI

- Introduction to social media websites
- Advantages of social media
- Ethics and etiquettes of social media
- How to use Google search better
- Effective ways of using Social Media
- Introduction to I Marketing

Unit VII

- Meaning of non-verbal communication
- Introduction to modes of non-verbal communication
- Breaking the misbeliefs
- Open and Closed Body language
- Eye Contact and Facial Expression
- Hand Gestures
- Do's and Don'ts
- Learning from experts
- Activities-Based Learning

Reference:

1. Sen Madhucchanda (2010), *An Introduction to Critical Thinking*, Pearson, Delhi
2. Silvia P.J. (2007), *How to Read a Lot*, American Psychological Association, Washington DC

SEMESTER – III

Course Code	Course Title	L	T	P	C
20110AEC31	Tamil-III	4	0	0	2

பிரிஸ்ட் நிகர்நிலைப் பல்கலைக்கழகம்- வல்லம், தஞ்சாவூர்
பாட குறியாடு
தமிழ் மூன்றாம் பருவம்
இரண்டாம் ஆண்டு
செய்யுள் , காப்பியங்கள் இலக்கிய வரலாறு

செய்யுள்

அலகு : 1

1. சிலப்பதிகாரம் - மனையறம் படுத்த காதை
2. மணிமேகலை - ஆதிரை பிச்சையிட்ட காதை
3. சீவக சிந்தாமணி - விமலையார் இலம்பகம்

அலகு :2

4. பெரியபுராணம் - இளையான் குடிமாற நாயனார் புராணம்
5. கம்பராமாயணம் - கைகேயி சூழ்வினைப் படலம்

அலகு :3

6. சீறாப்புராணம் - நபி அவதாரப் படலம் - 24 வரிகள்
7. தேம்பாவணி - வாமன் ஆட்சி படலம் - முதல் 5 பாடல்கள்

அலகு :4

8. நளவெண்பா - சுயம்வர காண்டம் (20 - 51)

அலகு . 5 : இலக்கிய வரலாறு

9. காப்பியங்கள் , ஐஞ்சிறு காப்பியங்கள் , புராணங்கள் , இதிகாசங்கள்

Course Code	Course Title	L	T	P	C
20111AEC31	Advanced English-III	4	0	0	2

Aim:

- To improve the knowledge of English

Course Objective:

- To familiarize with the organs of speech and the description and classification of speech sounds
- To understand consonant cluster, syllable, word accent and intonation.
- To know how to interpret graphics
- To write slogans and advertisements

Course Outcome:

- Understand phonetics
- Develop writing skill
- Able to develop creative writing

UNIT –I

The organs of speech, Classification of speech sounds, Vowels and Diphthongs

UNIT –II

Consonants, Consonant cluster

UNIT – III

Syllable, Word accent, Intonation

UNIT – IV

Idiom, Interpretation of graphics

UNIT – V

Slogan writing, Writing advertisement

REFERENCE BOOKS:

Author	Title of the book	Edition / Year	Publisher
T.B. Balasubramaniyan	A text book of Phonetics for Indian Students	Reprint 2008	Macmillian
Meenakshi Sharma & Sangeetha Sharma	Technical Communication	2011	Oxford University Press

Course Code	Course Title	L	T	P	C
20111AEC32	English-III	4	0	0	2

Aim:

- To acquaint with learning English through literature

Course Objective:

- To sensitize language use through prescribed text
- To develop the conversational skills through one act plays

Course Outcome:

- Appreciate different types of prose
- Develop the conversational skills through one act plays
- Enhance the skill of making grammatically correct sentences.

UNIT – 1

The Doctor's World	- R.K. Narayan
The Postmaster	- Rabindranath Tagore
Princess September	- E.Somerest Maugham

UNIT – II

The Price of Flowers	-Prabhat Kumar Mukhopadhyay
The Open Window	-Saki
The Model Millionaire	-Oscar Wilde

UNIT –III

My Brother My Brother	- Norah Burke
Uneasy Home Coming	- Will F. Jenkins
Resignation	- Premchand

UNIT –IV

The Referee	-W.H. Andrews & Geoffrey Dreamer
The Case of the Stolen Diamonds	-Farrell Mitchell

UNIT – V

The Dear Departed	-Stanley Houghton
The Princess and the Wood Cutter	-Alan Alexander Milne

Text book:

Author	Title of the book	Edition / Year	Publisher
SteuartH.King	Nine Short Stories	Reprint 2001	Blackie Books
T.Prabhakar	One – Act Play		Emerald

**PRIST UNIVERSITY, THANJAVUR
B.COM-CA**

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC33	Cost Accounting	3	1	2	4

AIM

- To ascertain the costs of products manufactured or services rendered and exercising control over the expenditure.

OBJECTIVES

- I. To know the cost of each process and each element.
- II. To serve management in the execution of policies according to the situations.

UNIT – I

Cost accounting definitions – Functions, Importance, Advantages and Limitations – Relationship between cost and Financial Accounting – Installation of costing system – Cost Unit and Cost Centre – Elements of Cost – Cost sheet – Tender and quotation.

UNIT – II

Materials cost control – Material Purchases – Storage of Material – Various levels of Stock – Pricing of Materials Issues.

UNIT – III

Labour Cost Control – Piece and Time Rates – Incentive Plans – Labour turnover – Idle time – Overheads – Allocation – Apportionment – Re Apportionment and Absorption.

UNIT - IV

Process Costing (Excluding Inter Process, Equivalent Production – By product – Joint product) and – Operating Costing.

UNIT - V

Contract Costing – Reconciliation of Cost and Financial Accounting.

OUTCOME:

- Understand various costing systems and management systems
- Analyze and provide recommendations to improve the operations of organizations
- Imbibe conceptual knowledge of cost accounting.
- Understand the significance of cost accounting in the modern economic environment
- Select the costs according to their impact on business
- Apply cost accounting methods to evaluate and project business performance

REFERENCE BOOKS

1. Palekhar & PattanShetty – Costing.
2. Jain & Narang – Cost Accounting.
3. S.P.Iyengar – Cost Accounting.
4. Ahuja & Others – Cost Accounting.
5. R.Srinivasan & R.Ramachandran – Cost Accounting.

SEMESTER-III

PRIST UNIVERSITY, THANJAVUR B.COM-CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC34	Banking Theory Law and Practice	3	0	1	4

AIM

- To provide a comprehensive view of Banking Services to know the application of Banking Theory Law and Practice.

OBJECTIVES

- I. To highlight the functions and services of a modern bank.
- II. To understand the relationship between banker and customer.
- III. To learn law relating to Negotiable Instruments, Securities and Advances.

UNIT – I

Bank and Banking – Role and importance of Banking – Classification of Commercial Banks – Functions of commercial Banks – Investment Policy of a Commercial Bank – Functions of RBI.

UNIT – II

E – Banking – Forms of E- Banking Automatic Teller Machine (ATMS) – Credit Cards, Debit Cards – Types of Credit Cards – Types of Bank Accounts – Types of Deposits – Electronic Funds Transfer.

UNIT – III

Special Types of Bank customers – The Paying Banker – The Collecting Banker.

UNIT – IV

Negotiable Instruments – Characteristics – Parties to Negotiable Instruments – Endorsement – Types of Endorsement.

UNIT – V

Bills of exchange and Promissory notes – Cheques and Bank Drafts Crossing of Cheques.

OUTCOME:

- Understanding of Banking Channels and Payments
- Practices on Banking Technology
- Understanding of Core Banking
- To gather knowledge on banking and financial system in India
- Understand better customer relationship
- To create awareness about modern banking services like e-banking, m-banking and internet banking

REFERENCE BOOKS

1. B.S.Raman - Banking, Theory, Law and Practice
2. S.M. Sundaram - Banking Theory Law and Practice
3. Varshney and Sundaram - A Text Book on Banking Theory Law Practice
4. K.P.M.Sundaram - Banking Theory Law and Practice

SEMESTER-III

PRIST UNIVERSITY, THANJAVUR B.COM-CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198AEC 35	Programming in C++	2	1	0	3

AIM:

- Implement several programs in languages other than the one emphasized in the core curriculum (Java/C++)

OBJECTIVES:

- **To understand how C++ improves C with object-oriented features.**
- **To learn how to write inline functions for efficiency and performance.**

UNIT-I

Object oriented programming: Software evolution - OOP Paradigm- concepts, benefits, Object oriented languages and applications.

UNIT-II

Introduction to the basic concepts of C++ language - Tokens, keywords, identifiers, data type, variables, manipulators- expression and control structures - functions: main function - function prototyping - call by reference function overloading - friend and inline functions.

UNIT-III

Classes and objects - constructors and destructors - operator overloading -type conversions.

UNIT-IV

Inheritance - single inheritance - multiple inheritances - hierarchical, hybrid inheritance - polymorphism - pointers - virtual functions - console I/O operations.

UNIT-V

Files - Classes for file stream operations - opening, closing and processing files - end of file detection - file pointers - updating a file - error handling during file operations - command line arguments - templates - exception handling.

OUTCOMES:

- To know the proper lines of C++, Encapsulation, Inheritance and Polymorphism.
- To explain the various data types, operations and functions of C++.
- To know the concept of constructors and destructors.
- To explain the concept of inheritances, types of inheritance and polymorphism, virtual Functions.
- To explain the types of streams, format and format of input and output operations.
- To Know the procedural and object oriented paradigm with concepts of streams, classes, functions, data and objects.

REFERENCE BOOKS:

1. "Object oriented programming with C++". E. Balagurusamy , Tata McGraw .Hill publishing Ltd., New Delhi, 1995.
2. C++ The complete reference- Herbert Schilt, 3rd edition, Tata McGrawHill Pub-Ltd., 1999.
3. Let us C++-Yeswant Kanetkar-BPB Publications, 1999.

SEMESTER-III

PRIST UNIVERSITY, THANJAVUR B.COM-CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198AEC 36L	Programming in C++ lab	0	0	3	2

AIM:

- Use C++ to demonstrate practical experience in developing object-oriented solutions

OBJECTIVES:

- Analyse a problem description and design and build object-oriented software using good coding practices and techniques
 - design and implement programs using C++
1. Write C++ program using a class to represent a bank account with datamembers- name of depositor, account number, type of account, balance and member functions - deposit amount, withdraw amount, show Nameand balance. Check the program with your own data.
 2. Design an abstract base class "Shapes" and derive three classes"Rectangle", "Circle" and Triangle". Develop polymorphic functions "Circumference" and "Compute-Area" to calculate the circumference and area of these objects and display it. Develop a main program to create each of these and apply these polymorphic functions.
 3. Write C++ programs for implementing inheritance.
 4. Write a C++ program to illustrate inline functions.
 5. Write a C++ program using friend operator function.
 6. Write a C++ program to illustrate virtual base class, virtual functionand abstract class.
 7. Write a program which reads a text from a file and the display thefollowing information.
 8. Number of Lines
 9. Number of words.
 10. Number of characters.
 11. Strings should be left-justified and numbers should be right-justified in _ a suitable field width.
 12. Write a C++ program to implement file concept: Create a file and store some text, display the content of the file with line numbers.
 13. File Processing: Mark sheet preparation.
 14. File Processing: Inventory preparation.

OUTCOME:

- To know the proper lines of C++, Encapsulation, Inheritance and Polymorphism.
- To explain the various data types, operations and functions of C++.

- To know the concept of constructors and destructors.
- To explain the concept of inheritances, types of inheritance and polymorphism, virtual
- Functions.
- To explain the types of streams, format and format of input and output operations.
- To Know the procedural and object oriented paradigm with concepts of streams, classes, functions, data and objects.

SEMESTER-III

PRIST UNIVERSITY, THANJAVUR B.COM-CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198RMC37	Research Methodology	2	0	0	2

AIM

- To create a basic appreciation towards research process and awareness of various research publications.

OBJECTIVES

- I. To understand the steps in research process and the suitable methods.
- II. To identify various research communications and their salient features.
- III. To carry out basic literature survey using the common data-bases.

PREREQUISITES:

Basic computer skills for working in window-environment & Conceptual knowledge on basic matrices.

UNIT – I

Research in Management : An Introduction – Definition, meaning and nature – Scope and objects of Research. Types of Research.

UNIT – II

Research Design – Defining Research Problem and Formulation Of Hypothesis – Experimental Designs – Sampling and types of sampling.

UNIT – III

Research Process – Steps in the process of Research, Data Collection and Measurement: Sources of Secondary data – Methods of Primary data collection – Questionnaire Construction.

UNIT – IV

Data presentation and Analysis – Data Processing – Methods of Statistical analysis and interpretation of Data – Testing of Hypothesis and theory of inference –Correlation and Regression analysis.

UNIT – V

Report writing and Presentation – Steps in Report writing – Types of reports – Formats of Reports – Presentation of a Report.

OUTCOME:

- Able to carry out independent literature survey corresponding to the specific publication type and assess basic literary research tools.
- Familiarize participants with basic of research and the research process.
- Enable the participants in conducting research work and formulating research synopsis and report.
- Develop understanding on various kinds of research, objectives of doing research, research process, research designs and sampling.

- Have basic knowledge on qualitative research techniques
- Have adequate knowledge on measurement & scaling techniques as well as the quantitative data analysis

REFERENCE BOOKS

1. Rajendrapal and Korlahalli - Business Communication
2. M.S.Ramesh and Pattenshetty - Effective Business English & Correspondence
3. Sharma and Krishnamohan - Report writing Business Correspondence

SEMESTER III COMMUNICATION SKILLS

Course Code	Course Title	L	T	P	C
201ACLSOAN	OFFICE AUTOMATION	-	-	-	2

Aim:

Course Objectives :

To provide an in-depth training in the use of office automation, internet and internet tools. The course also helps the candidates to get acquainted with IT.

Course Outcomes:

After completion of the course, students would be able to documents, spreadsheets, make small presentations and would be acquainted with the internet.

UNIT I

Knowing the basics of Computers

UNIT II

Word Processing (MS word)

UNIT III

Spread Sheet (MS XL)

UNIT IV

Presentation (MS Power Point)

UNIT V

Communicating with Internet

Reference:

1. Fundamentals of computers - V.Rajaraman - Prentice- Hall of India
2. Microsoft Office 2007 Bible - John Walkenbach, Herb Tyson, Faithe Wempen, Cary N. Prague, Michael R. Groh, Peter G. Aitken, and Lisa A. Bucki - Wiley India Pvt. Ltd.
3. Introduction to Information Technology - Alexis Leon, Mathews Leon, and Leena Leon, Vijay Nicole Imprints Pvt. Ltd., 2013.
4. Computer Fundamentals - P. K. Sinha Publisher: BPB Publications
5. <https://en.wikipedia.org>

6. <https://wiki.openoffice.org/wiki/Documentation>

7. <http://windows.microsoft.com/en-in/windows/windows-basics-all-topics>

SEMESTER – IV

Course Code	Course Title	L	T	P	C
19110AEC41	Tamil-IV	4	0	0	2

பிரிஸ்ட் நிகர்நிலைப் பல்கலைக்கழகம்- வல்லம், தஞ்சாவூர்
பாட குறியாடு
தமிழ்.
நான்காம் பருவம்
இரண்டாம் ஆண்டு

செய்யுள் , சங்க இலக்கியம், அற இலக்கியம் , செம்மொழி , இலக்கிய வரலாறு

அலகு . 1 : பண்டைய இலக்கியம் - நற்றிணை;

1. நெய்தல் - தோழி கூற்று - பாடல் எண் . 11
2. குறிஞ்சி - தலைவி கூற்று - பாடல் எண். 64
3. முல்லை - தலைவன் கூற்று - பாடல் எண்.142
4. பாலை - நற்றாய் கூற்று - பாடல் எண். 29
5. மருதம் - தலைவி கூற்று - பாடல் எண். 70

பண்டைய இலக்கியம் குறுந்தொகை

1. குறிஞ்சி - தோழி கூற்று - பாடல் எண்.1
2. முல்லை - செவிலித்தாய் கூற்று - பாடல் எண்.167
3. மருதம் - தலைவி கூற்று - பாடல் எண். 181
4. நெய்தல் - தலைவி கூற்று - பாடல் எண் . 290
5. பாலை - தலைவன் கூற்று - பாடல் எண் . 347

பண்டைய இலக்கியம் ஐங்குறுநூறு

1. மருதம் - கள்வன் பத்து - முதல் இரண்டு பாடல்கள்
2. நெய்தல் - தோழிக்குரைத்த பத்து - முதல் இரண்டு பாடல்கள்
3. குறிஞ்சி - குன்றக் குறவன் பத்து - முதல் இரண்டு பாடல்கள்
4. பாலை - இளவேனிற் பத்து - முதல் இரண்டு பாடல்கள்
5. முல்லை - பாசறைப் பத்து - முதல் இரண்டு பாடல்கள்

அலகு . 2 : கலிந்தொகை

- 1 . பாலை - பாடல் எண். 2
2. குறிஞ்சி - பாடல் எண். 37

அகநானூறு

- 1 . பாலை - பாடல் எண். 5
2. மருதம் - பாடல் எண். 6

புறநானூறு

பாடல் எண் : 6 ,121, 41, 153 ,172 191, 223, 246, 284, 358.

பதிற்றுப்பத்து

இரண்டாம் பத்து பாடல் எண். 4 (நிலம் நீர் வளி விசம்பு)

அலகு.3;

- 1 . பட்டினப்பாலை - முதல் 105 வரிகள்
2. திருக்குறள் - 1.மருந்து 2.ஊக்கமுடைமை 3.உழவு
- 3.

அலகு . 4 : செம்மொழி வரனறு ;

(மொழி - விளக்கம் , மொழிக்குடும்பங்கள், உலகச் செம்மொழிகள், இந்தியச் செம்மொழிகள் , செம்மொழித் தகுதிகள் , வரையறைகள், வாழும் தமிழ் செம்மொழி, தொன்மை , தமிழின் சிறப்புகள், தமிழ் செம்மொழி நூல்கள்)

அலகு . 5 : இலக்கிய வரலாறு

சங்க இலக்கியங்கள் ,பதினெண்கீழ்க்கணக்கு நூல்கள்.

Course Code	Course Title	L	T	P	C
20111AEC41	Advanced English-IV	4	0	0	2

Aim:

- To improve the knowledge of English

Objective:

- To familiarize with the objectives and types of interview
- To know the types of questions and answering techniques
- To prepare reviews and proposals
- To learn the grammatical forms
- To understand the meaning of a poem and write the content
- To write for and against a topic
- To draw a flowchart
- To write definitions

Outcome:

- Develop writing skill
- Comprehend and describe poems
- Learn interviewing skills

UNIT –I

Interviews

Objectives, types, ten success factors, ten failure factors - Planning and preparation –Presentation–

Type of questions – Answering techniques.

UNIT – II

Flowchart, Proposals

UNIT – III

Discourse markers, Review

UNIT IV

Grammatical forms, Paraphrasing

UNIT –V

Definition, Writing for and against a topic.

REFERENCE BOOKS:

Author	Title of the book	Edition / Year	Publisher
Rajendra Pal & J.S Korlahalli	Essentials of Business Communication	2015	Sultan Chand & Sons
Meenakshi Raman & Sangeetha Sharma	Technical Communication	2011	Oxford University Press

Wren & Martin	English Grammar & Composition	2009	S.Chand
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Course Code	Course Title	L	T	P	C
20111AEC42	English-IV	4	0	0	2

Aim:

- To learn English through literature

Course Objective:

- To explore learners to the standard literary texts
- To impart wisdom through morally sound poems and essays
- To introduce Shakespeare to non-literature students

Course Outcome:

- Improve their ability to read and understand them
- Know the genius of Shakespeare
- Express one's views in writing

UNIT –I

My Last Duchess	-Robert Browning
The Toys	-Coventry Patmore
I, too	-Langston Hughes

UNIT –II

How to be a Doctor	-Stephen Leacock
My Visions for India	-A.P.J. Abdul Kalam
Woman, not the weaker sex	-M.K. Gandhi

UNIT –III

The Best Investment I ever made	-A.J.Cronin
The Verger	-W.S Maugham
A Willing Slave	-R.K.Narayan

UNIT –IV

Macbeth, As You Like It

UNIT –V

Henry IV, Tempest

Text book:

Author	Title of the book	Edition / Year	Publisher
Devaraj	English for Enrichment	2012	Emerald Publishers
Board of Editors	Selected Scenes from Shakespeare Book I & II	2012	Emerald Publishers

SEMESTER-IV

PRIST UNIVERSITY, THANJAVUR B.COM-CA

Course Code	Course Title	L	T	P	C
20198SEC43	Auditing	3	1	1	3

AIM:

- To define the aim of your clinical audit project consider what it is that you hope to achieve

OBJECTIVES:

- The students will enable the system of internal check.
- Checking arithmetical accuracy of books of accounts, verifying posting, casting, balancing etc.

Unit -I

Auditing — Definition — Objectives — Types of Audit — Advantages — Qualities of a Professional auditor — Investigation Vs Auditing

Unit - II

Internal Check — Objectives, Principles, Advantages — Internal check system and Auditor — Internal Control — Internal Audit

Unit — III

Vouching — Objectives, Importance, - Vouching of Cash Transactions, Trading Transactions and Impersonal ledger.

Unit -IV

Verification and valuation of Assets and Liabilities — Cash – Investments Advances, Land and Building, Plant and Machinery, Furniture, Stock, Capital, Creditors, Bills Payable

Unit — V

Company Audit — Provision in the companies Act relating to auditor's qualifications, appointment, removal, Rights, duties and liabilities, (Civil and Criminal)

OUTCOMES:

- Articulate knowledge of fundamental audit concepts
- Apply critical thinking skills and solve auditing Problems.
- Apply and demonstrate the accounting knowledge and skills in Auditing.
- Explain how analytical procedures are used as an audit tool.

- Illustrate effective internal controls
- Apply ethical standards to issues in auditing

Reference Books

1. B.N.Tandon — ‘A Practical] Hand Book of Auditing’
2. Dinkar Pagare — ‘Principles and Practice of Auditing’
3. R.G.Saxena — ‘Principles and Practice of Auditing’
4. Rupram Gupta — Auditing.
5. C.R.M. Depuala — The Principles of Auditing
- 6.

SEMESTER -IV

PRIST UNIVERSITY, THANJAVUR B.COM-CA

Course Code	Course Title	L	T	P	C
20198SEC44	Business Statistics	3	1	2	4

AIM:

- Provide a foundation and motivation for exposure to statistical ideas subsequent to the course.

OBJECTIVE:

- Motivate in students an intrinsic interest in statistical thinking.
- Instill the belief that Statistics is important for scientific research.

UNIT -I

Meaning and scope of statistics, uses of statistics in business, statistical Data --primary and Secondary Data— classification of Data — Frequency distribution — Graphs and Diagrams.

UNIT – II

Measures of central tendency — arithmetic Mean, Mode, Median, geometric Mean and Harmonic Mean— Merits and Demerits of various Measures of Central Tendency

UNIT –III

Measures of dispersion —Range — Mean deviation, Standard deviation - Quartile Deviation

Co-Efficient of Variation – Difference between Mean Deviation and Standard Deviation-Different methods of Measuring Dispersion.

UNIT –IV

Correlation – Types of Correlation – Methods of Correlation – Co-Efficient of Correlation – Regression-Difference between correlation and regression – regression Equations.

UNIT –V

Time series — Secular trend — Graphic, Semi Average, Moving Average and Least Square Method- Index numbers — Cost of living index Numbers — index numbers of wholesale prices –Methods of Construction of index numbers.

OUTCOMES:

- Critically evaluate the underlying assumptions of analysis tools
- Solve a range of problems using the techniques covered
- Conduct basic statistical analysis of data.
- Understand basic statistical concepts such as statistical collection, statistical series, tabular and graphical representation of data
- Calculate measures of central tendency, dispersion and asymmetry, correlation and regression analysis

- Choose a statistical method for solving practical problems

References:

1. Gupta S.P.- statistics methods.
2. Elhance D.N, -Fundamentals of statistics
3. SP.Rajagopalan & R.sattanathan-Business Statistics and Operations Research
4. PR.Vittal – Business Statistics
5. Navaneetham – Business statistics

SEMESTER -IV

**PRIST UNIVERSITY, THANJAVUR
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Course Code	Course Title	L	T	P	C
20198AEC45	Visual Basic Programming	3	0	0	4

AIM:Students must know about the Core programming of visual basic Students will understand.

OBJECTIVE:

- The ability of the system to adjust to the changing requirement of user.
- The ability of the System to be able to withstand long period of time operation by the user

UNIT I

Introduction to Visual Basic — Integrated Development Environment (IDE) features — VB editor — customizing the IDE — anatomy of a form working with form properties — setting form’s properties — introducing form events and form methods.

UNIT II

Variables in Visual Basic: Declaring variables — Data types — Null values, Error value — empty value — the scope of a variable — Module level variables — Constants — Creating your own constants — Scope of a constant — Converting data types — arrays — Declaring arrays — Fixed size arrays - Dynamic arrays — Preserve keywords — ReDim. Writing Code in Visual Basic - The anatomy of a procedure — Subroutine and Functions — Language constructs - For...Next, The While loop, Select case....End select, Exit statement, with structure.

UNIT III

Selecting and Using controls — Introduction to standard controls - command buttons — Text boxes — labels — option buttons — Check boxes - frame controls — List boxes - Combo boxes — Image objects — Picture boxes - Timer- Scroll Bars-File System Controls(Drive, Dirlist, File List boxes).

UNIT IV

Introduction to Built in ActiveX control — Tool bar —The Treeview control — The Listview control — the Imagelist control - Comman Dialog Control — status bar Control — Rich textbox control — Menu editor.

UNIT V

DDE properties — DDE Methods — OLE properties — Active control Creation and Usage and ActiveX DLL creation and usage — Database access — Data Control — Field control — Data grid record set using SQL to manipulate data — Open Data Base Connectivity.

OUTCOMES:

- Distinguish and compose events and methods.
- Distinguish and compose events and methods.
- Recognize and arrange control structures.
- Understand development of applications.
- Identify sources for research and further develop a strategy for research using standard and electronic research tools C
- This course will be helped the students understanding on database operations

Reference Books:

1. Mohammed Azam Programming with Visual Basic 6.0 — Vikas Publishing House Pvt. Ltd — 2002.
2. Content Development Group Visual Basic 6.0 — Tata McGraw Hill Publishing Company Limited — 2002.

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SEMESTER -IV

**PRIST UNIVERSITY, THANJAVUR
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Course Code	Course Title	L	T	P	C
20198AEC46L	Visual Basic Programming Lab	0	0	3	2

AIM:

It gives practical knowledge to the students on visual Basic Programming

OBJECTIVE:

1. To know the process of visual program design and development.
 2. To understand the term event-driven programming.
 3. To acquire the concepts of objects, properties, and methods.
1. Simple exercises using standard controls.
 2. Write a program to design a calendar of any year.
 3. Write a program to expand and shrinking an object — while program is running.
 4. Write a code to design and implement a scientific calculator.
 5. Write a program to create animation by using move method and timerObject.
 6. Write a program for preparing students mark list.
 7. Write a program to populate the label entities using data bound control.

8. Write a program to expand and shrink Objects using timer control and move method

OUTCOME:

- Understand an overview of computers and computer programming.
- Understand Visual Basic applications.
- Understand how to perform operations and store results.
- Understand the concept of data-driven program execution flow control in Visual Basic programming
- Understand additional Visual Basic controls.
- Understand loops to do repetition.

Course Code	Course Title	L	T	P	C
201ENSTU47	Environmental Studies	0	0	0	2

Aims:

UNIT-I

The Multidisciplinary Nature of Environmental Studies – Definition, Scope and Importance – Need for Public awareness- natural Resources: Renewable and Non – Renewable Resources- Forest Resources – Water Resources- Mineral Resources- Food Resources – Energy Resources – Land Resources.

UNIT – II

Ecosystems- Concept of an ecosystem – Structure and function of an ecosystem – Producers, consumers and decomposers – Energy flow in the ecosystem – Ecological succession- Food chains, food webs and ecological pyramids – Types of ecosystem – Forest ecosystem – Greenland ecosystem – Desert ecosystem – Aquatic ecosystems.

UNIT –III

Biodiversity and its Conservation – Definition- Genetic, Species and ecosystem diversity – Bio geographical classification of India – Values of biodiversity – Biodiversity at global, National and local levels – India as a mega – diversity nation – Hot-spots of biodiversity- Threats to biodiversity – Endangered and endemic species of India – Conservation of biodiversity.

UNIT-IV

Environmental Pollution – Definition – Air Pollution – Water pollution –Soil Pollution- Marine Pollution- Noise Pollution –Thermal Pollution – Nuclear hazards –Solid waste Management –Role of an individual in prevention of pollution – Disaster management.

UNIT-V

Social Issues and the Environment – From Unsustainable to Sustainable development- Urban problems related to energy –Water conservation, rain water harvesting, watershed management- Environmental Ethics – Climate change greenhouse effect and global warming – Ozone depletion –Waste land reclamation – Consumerism and waste products –Environmental Legislation –Issues involved in enforcement of environmental legislation – Public awareness- Human population and the environment.

OUTCOME:

- Master core concepts and methods from ecological and physical sciences and their application in environmental problem solving.
- Master core concepts and methods from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions.
- Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
- Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales.
- Apply systems concepts and methodologies to analyze and understand interactions between social and environmental processes.
- Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.
- Demonstrate proficiency in quantitative methods, qualitative analysis, critical thinking, and written and oral communication needed to conduct high-level work as interdisciplinary scholars and/or practitioners.

TEXT BOOK:

‘ENVIRONMENTAL STUDIES’, K.Kumarasamy, A.Alagappa Moses, M.vasanthy.

SEMESTER IV

Course Code	Course Title	L	T	P	C
201ACLSLMS	Leadership and Management Skills	-	-	-	2

Aim:

The aim of the course cultivating and nurturing the innate leadership skills of the youth so that they may transform these challenges into opportunities and become torchbearers of the future by developing creative solutions.

Course Objective:

The Module is designed to:

- Help students to develop essential skills to influence and motivate others
- Inculcate emotional and social intelligence, and integrative thinking for effective leadership
- Create and maintain an effective and motivated team to work for the society
- Nurture a creative and entrepreneurial mindset
- Make students understand the personal values and apply ethical principles in professional and social contexts.

Course Outcomes :

Upon completion of the course, students will be able to:

1. Examine various leadership models and understand/assess their skills, strengths and abilities that affect their own leadership style and can create their leadership vision
2. Learn and demonstrate a set of practical skills such as time management, self management, handling conflicts, team leadership, etc.
3. Understand the basics of entrepreneurship and develop business plans
4. Apply the design thinking approach to leadership
5. Appreciate the importance of ethics and moral values for making of a balanced personality.

UNIT I- Leadership Skills

a. Understanding Leadership and its Importance

- What is leadership?
- Why Leadership required?
- Whom do you consider as an ideal leader?

b. *Traits and Models of Leadership*

- Are leaders born or made?
- Key characteristics of an effective leader
- Leadership styles
- Perspectives of different leaders

c. *Basic Leadership Skills*

- Motivation
- Team work
- Negotiation
- Networking

UNIT II - Managerial Skills

a. Basic Managerial Skills

- Planning for effective management
- How to organise teams?
- Recruiting and retaining talent
- Delegation of tasks
- Learn to coordinate
- Conflict management

b. *Self Management Skills*

- Understanding self concept
- Developing self-awareness
- Self-examination
- Self-regulation

UNIT III - Entrepreneurial Skills

a. Basics of Entrepreneurship

- Meaning of entrepreneurship

- Classification and types of entrepreneurship
- Traits and competencies of entrepreneur

b. Creating Business Plan

- Problem identification and idea generation
- Idea validation
- Pitch making

UNIT IV - Innovative Leadership and Design Thinking

a. Innovative Leadership

- Concept of emotional and social intelligence
- Synthesis of human and artificial intelligence
- Why does culture matter for today's global leaders

b. Design Thinking

- What is design thinking?
- Key elements of design thinking:
 - Discovery
 - Interpretation
 - Ideation
 - Experimentation
 - Evolution.
- How to transform challenges into opportunities?
- How to develop human-centric solutions for creating social good?

UNIT V- Ethics and Integrity

a. Learning through Biographies

- What makes an individual great?
- Understanding the persona of a leader for deriving holistic inspiration
- Drawing insights for leadership
- How leaders sail through difficult situations?

b. Ethics and Conduct

- Importance of ethics
- Ethical decision making
- Personal and professional moral codes of conduct
- Creating a harmonious life

Bibliography and Suggested Readings :

Books

- Ashokan, M. S. (2015). *Karmayogi: A Biography of E. Sreedharan*. Penguin, UK.
- Brown, T. (2012). *Change by Design*. Harper Business
- Elkington, J., & Hartigan, P. (2008). *The Power of Unreasonable People: How Social Entrepreneurs Create Markets that Change the World*. Harvard Business Press.
- Goleman D. (1995). *Emotional Intelligence*. Bloomsbury Publishing India Private Limited
- Kalam A. A. (2003). *Ignited Minds: Unleashing the Power within India*. Penguin Books India
- Kelly T., Kelly D. (2014). *Creative Confidence: Unleashing the Creative Potential Within Us*. All. William Collins

- Kurien V., & Salve G. (2012). *I Too Had a Dream*. Roli Books Private Limited
- Livermore D. A. (2010). *Leading with cultural intelligence: The New Secret to Success*. New York: American Management Association
- McCormack M. H. (1986). *What They Don't Teach You at Harvard Business School: Notes From A Street-Smart Executive*. RHUS
- O'Toole J. (2019) *The Enlightened Capitalists: Cautionary Tales of Business Pioneers Who Tried to Do Well by Doing Good*. Harpercollins
- Sinek S. (2009). *Start with Why: How Great Leaders Inspire Everyone to Take Action*. Penguin
- Sternberg R. J., Sternberg R. J., & Baltes P. B. (Eds.). (2004). *International Handbook of Intelligence*. Cambridge University Press.

E-Resources

- Fries, K. (2019). 8 Essential Qualities That Define Great Leadership. *Forbes*. Retrieved 2019- 02-15 from <https://www.forbes.com/sites/kimberlyfries/2018/02/08/8-essential-qualities-that-define-great-leadership/#452ecc963b63>.
- How to Build Your Creative Confidence, Ted Talk by David Kelly - https://www.ted.com/talks/david_kelley_how_to_build_your_creative_confidence
- India's Hidden Hot Beds of Invention Ted Talk by Anil Gupta - https://www.ted.com/talks/anil_gupta_india_s_hidden_hotbeds_of_invention
- Knowledge@Wharton Interviews Former Indian President APJ Abdul Kalam - . "A Leader Should Know How to Manage Failure" <https://www.youtube.com/watch?v=laGZaS4sdeU>
- Martin, R. (2007). How Successful Leaders Think. *Harvard Business Review*, 85(6): 60.
- NPTEL Course on Leadership - <https://nptel.ac.in/courses/122105021/9>

SEMESTER-V

PRIST UNIVERSITY, THANJAVUR B.COM CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC51	Corporate Accounting	4	1	1	5

AIM

The course covers the basic accounting practices of corporate businesses.

OBJECTIVES

- To understand the accounting side of shares debentures and bones shares.
- To ascertain the net profit of the corporate businesses through final accounts.
- To compute valuation of goodwill and shares of corporate businesses.
- To carry out the various strategies of the corporate businesses in the form of merger, reorganization and liquidation.

UNIT – I

Issue and forfeiture of shares – Redemption of Preference shares.

UNIT – II

Issue of Debentures – Redemption of debentures – Profits prior to Incorporation.

UNIT – III

Final accounts of corporate businesses – Divisible profit and dividends – bonus shares.

UNIT - IV

Valuation of goodwill and shares – Holding Company.

UNIT – V

Alteration of share capital and internal Reconstruction - Amalgamation and External Reconstruction.

OUTCOME:

- Find out how a company can dissolve.
- Understand Mutual funds' investments.
- Learn about working format of companies.
- Enabling the students to understand the features of Shares and Debentures
- Develop an understanding about redemption of Shares and Debenture and its type
- Exposure to the company final account

REFERENCE BOOKS

1. M.C. Shukla and T.S. Grewal – Advanced Accounts.
2. R.L. Gupta – Advanced Accountancy Vol. – II.
3. Jain and Narang – Advanced Accountancy Vol. – II.
4. S.P.Iyengar – Advanced Accountancy Vol. – II.
5. Dr.R.Ramachandarn and Dr.R.Srinivasan – Corporate Accounting

SEMESTER-V

PRIST UNIVERSITY, THANJAVUR
B.COM-CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC52	Business Economics	3	1	1	4

AIM:

- Students will learn how markets and other governance structures organize core economic activities.

OBJECTIVE:

- Identify and explain economic concepts and theories related to the behavior of economic agents, markets, industry and firm structures, legal institutions, social norms, and government policies.
- Integrate theoretical knowledge with quantitative and qualitative evidence in order to explain past economic events and to formulate predictions on future ones.

Unit -I

Definition — Methods of Economics — Meaning of Business Economics — Objectives of Business Economics — Nature of Business Economics — Economic Laws — Micro — Macro Economics.

Unit — II

Demand Analysis — Demand Schedule — Law of Demand — Demand Curves — Elasticity of Demand — Indifference Curves.

Unit — III

Production Function — Factors of Production — Laws of Return — Cost of Production — curve — Scale of Production — Isoquant curve - Economies of Large scale production.

Unit -IV

Cost concepts - Different costs - Long and short run cost curves — Relationship between costs — Break even analysis

Unit- V

Market Structure — Firm — Equilibrium Firm and Industry — Optimum Firm — Pricing — Pricing under Perfect competition — Monopoly — Duopoly – Oligopoly

OUTCOME:

- Apply the concept of opportunity cost.
- Understand the concepts of cost, nature of production and its relationship to Business operations.
- Apply Economic theories to business decision
- Use the theoretical concept of demand and supply analysis in practice
- Understand the cost concepts, theories of profit and business cycles
- Use different demand forecasting techniques and apply different pricing techniques in business
- Understand the importance of Fiscal policy

Reference Books:

1. K.P.M. Sundaram & EN.Sundaram - Business Economics
2. S.,Sankaran - Business Economics
3. PN. Reddy & Appanaiyah –Business Economic

SEMESTER-V

**PRIST UNIVERSITY, THANJAVUR
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COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC53	Financial Management	3	1	1	4

AIM:

Optimum funds utilization. Once the funds are procured, they should be utilized in maximum possible way at least cost.

OBJECTIVE:

1. To ensure regular and adequate supply of funds to the concern.

- To ensure adequate returns to the shareholders which will depend upon the earning capacity, market price of the share, expectations of the shareholders

Unit —I

Introduction — Finance and related disciplines — Scope of financial management — Objectives of financial management — Financial Decisions - Organization of finance function

Unit -II

Cost of capital — cost of debt — cost of preference shares — cost of equity — cost of retained earnings — weighted average cost of capital.

Unit - III

Introduction — Capital structure — Determinants - Theories ~ Net income approach — Net operating income approach — M.M. Approach — Traditional approach

Unit —IV

Leverage — Meaning and types — Significance — Operating leverage — Financial leverage - Combined leverage

Unit — V

Dividend policy — Factors influencing dividend policy — Theories - Relationship with value of firms — Stock dividend — Stock splits

OUTCOME:

- Use business finance terms and concepts when communicating.
- Demonstrate a basic understanding of financial management.
- Provide introduction to Financial Management
- Create an awareness about capital structure and theories of capital structure
- Make them understand the cost of capital in wide aspects
- Provide knowledge about dividend policies and various dividend models.
- Enable them to understand working capital management

Reference Books

- Kulkarni - Financial Management
- S.N.Maheswari - Financial Management
- R.K. Sharma - Financial Management
- Prasanna Chandra - Fundamentals of Financial Management
- R.Ramachandran, R.Srinivasan — Financial of Management

SEMESTER-V

PRIST UNIVERSITY, THANJAVUR B.COM-CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC54	Software Engineering	3	1	1	4

AIM:

- To produce programmers equipped with an understanding of fundamental computational concepts underlying most programming languages

OBJECTIVE: Students to know about:

- Techniques for solving problems
- Basic computational concepts and elementary data structures

- The edit-compile-link-run cycle from a user point of view

UNIT I

Introduction — definition-size factors- quality and productivity factors- managerial issues. Planning - software project — introduction — defining the problem - developing a strategy - planning the development process- planning an organizational structure.

UNIT II

Software cost estimation — cost factors — cost estimation techniques — staffing — level estimation — estimating software maintenance costs. Software requirements definition — software requirements specification techniques — languages and processors for requirements.

UNIT III

Software design — fundamental design concepts — modules and modulation criteria — design notations — design techniques — detail design considerations — real time and distributed system design — test plans — milestones walkthroughs and inspections — design guidelines .

UNIT -IV

Implementation issues — structured coding techniques — coding style — standards and guidelines — documentation guidelines — data abstraction — exception handling — concurrency mechanisms.

UNIT V

Verification and validation techniques — quality assurance — walkthrough and inspections — static analysis — symbolic executions — unit testing and debugging — system testing — formal verification. Software maintenances — enhancing maintainability during development — managerial aspects — configuration management — source code metrics.

OUTCOMES:

- To identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- To apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An ability to communicate effectively with a range of audiences
- Analyze the importance of management information system and networking in a business.
- Be aware and perform various activities using computers in day to day life.

Text Book

Software Engineering Concepts “— Richard fairly TMH

Reference Book: 1. “Software Engineering”- Roger S.Pressman, 5th edition 2001.

SEMESTER-V

COURSE CODE	COURSE TITLE	L	T	P	C
20198DSC55A	Elective – I A – Management Information System	3	0	1	2

AIMS:

The overall aim of this course is to provide students with an understanding at how to use and manage information system in order to revitalize business processes, improve business decision making, and gain competitive advantage

OBJECTIVES:

- i. To describe the role of information technology and decision support systems in business and record the current issues with those of the firm to solve business problems.
- ii. To introduce the fundamental principles of computer-based information systems analysis and design and develop an understanding of the principles and techniques used.
- iii. To enable students understand the various knowledge representation methods and different expert system structures as strategic weapons to counter the threats to business and make business more competitive.
- iv. To enable the students to use information to assess the impact of the Internet and Internet technology on electronic commerce and electronic business and understand the specific threats and vulnerabilities of computer systems.
- v. To provide the theoretical models used in database management systems to answer business questions.

UNIT I

The meaning and use MIS, System View of Business, Process of MIS, Development of MIS within the organization, Management Process, Information Needs, System Approach in Planning Organizing and Controlling MIS.

UNIT II

Planning, Implementation and Controlling of Management Information System.

UNIT III

Fundamentals of Data Processing, Computer Operation of Manual Information System, Components of Computer Systems, Flow Chart, Conversion of Manual to Computer Based Systems, Computer Systems Software, Application Software, Telecommunication Modem

UNIT IV

Managerial Decision Making, characteristics and components of Decision Support System.

UNIT V

System Design: System design consideration, input/output design, forms design, file organization and database, data management, file design, program design, control and security.

OUTCOME:

- Relate the basic concepts and technologies used in the field of management information systems;
- Compare the processes of developing and implementing information systems.
- Outline the role of the ethical, social, and security issues of information systems.
- Translate the role of information systems in organizations, the strategic management processes, with the implications for the management.
- Apply the understanding of how various information systems like DBMS work together to accomplish the information objectives of an organization.

REFERENCE BOOKS

1. Jawadkar, W.S., “Management Information Systems”, Tata McGraw Hill Private Limited, New Delhi, 2009.

2. Kenneth C. Laudon and Jane P. Laudon: "Management Information Systems" 9/e, Pearson Education, New Delhi.
3. Alex Leon and Mathew Leon: "Data Base Management Systems", Vikas Publishing House, New Delhi.
4. Goyal, D.P.: "Management Information System", MACMILLAN India Limited, New Delhi, 2008.
5. Mahadeo Jaiswal, Monika Mital: "Management Information System", Oxford University Press, New Delhi, 2008.
6. Murthy C.S.V.: "Management Information System", Himalaya Publications, New Delhi, 2008.
7. Panneerselvam R.: "Database Management System", PHI Private Limited, New Delhi, 2008.
8. Philip J, Pratt, Joseph J. Adamski: "Database Management Systems", Cengage Learning, New Delhi, 2009.
9. Richard T. Watson: "Data Management ", WILEY INDIA Limited, New Delhi, 2008.
10. Rob and Cornell: "Data Base Management Systems" Cengage Learning, New Delhi.

SEMESTER-V

PRIST UNIVERSITY, THANJAVUR B.COM-CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198DSC55B	Elective – I B – Stock Market Price	3	0	1	2

AIM:

The aim of the course is to provide practical exposure to the students on the functioning of the stock market and on the stock market practices like trading mechanism, clearing and settlement, demat trading.

OBJECTIVES

- I. To provide an introduction to the financial markets and to analyze the role of financial markets for the broader macro.
- II. The course will help them in building career in stock market/broking houses.
- III. To help them to understand the practical aspects of primary and secondary market operations.

UNIT I

Trading Mechanism in Stock Exchanges: Introduction- Market Types- Market Phases- Invoking an Inquiry Screen- Order Management- Trade Management- Auction- Limited Physical Market- Retail Debt Market- Internet Broking- Wireless Application Protocol. Legal framework of Securities Market: SEBI Guidelines Relating to the Functioning of Stock Exchanges and Intermediaries; SEBI and Investor Protection; Securities Contract Regulation Act and Listing of Securities; Regulations and Guidelines for FIIs.

UNIT II

Clearing and Settlement Process: Introduction- Transaction cycle- Settlement Process- Settlement Agencies- Risks in Settlement- Settlement Cycle- Securities Settlement- Funds Settlement- Shortages Handling- Risk Containment Measures- International Securities Identification Number- Clearing Software- Reports- File Transfer Protocol.

UNIT III

Trading pattern in BSE and NSE: Security Market Indicators- Need and Importance; BSE Sensex, NSE, NIFTY and other Index Numbers.

UNIT IV

Demat Trading: Meaning and Significance; Role of Depositories and Custodian of Securities in Demat Trading; SEBI Guidelines and other Regulations relating to Demat Trading; Procedure of Demat Trading- Introduction to Online- Trading.

UNIT V

Derivatives Trading: Approving for derivatives trading, Derivatives market at NSE, Trading mechanism, membership criteria, Turn over, Clearing and settlement, Risk Management system.

OUTCOMES:

- Understand the trading mechanism in stock exchange.
- Understand the trading pattern in BSE and NSE.
- Get knowledge on the Demat Trading.
- Discuss on the SEBI guidelines and other regulations relating to Demat Trading.
- Get through the certification examinations conducted by BSE and NSE, and
- Start a stock trading concern and become a successful Financial Entrepreneur.
- Pedagogical Methods Adopted: Flipped Learning, Blended Learning, Experiential Learning,
- Participative Learning, Case Study Method and Problem Based Learning

REFERENCE BOOKS:

1. AshwaniGujral, 2018, How to Make Money in Intraday Trading, Vision Books Pvt. Limited, New Delhi.
2. Avadhani V.A. 1997, Indian Capital Market, (1st Ed)., Himalaya Publishing House.
3. Tadashi Endo, 1998, The Indian Securities Market A Guide for foreign & Domestic Investors, (1st Ed)., Vision Books.
4. Amit Bhargava, 2003, Guide to SEBI (Disclosure & Investor Protection) Guidelines, Taxmann Publications.
5. Gurusamy S, 2004, Financial Markets & Institutions, (1st Ed)., Thomson Books.
6. Dave, 2007, Securities Markets & Products, (2nd Ed)., Taxmann Publications.
7. Keith Dickinson, 2015, Financial Markets Operations Management, John Wiley & Sons.

ONLINE REFERENCE:

1. MOOC Material: Finance for Everyone: Values, Created by: McMaster University, Delivered by: Coursera, Taught by: Arshad Ahamed.
2. MOOC Material: Behavioral Finance, Created by: Duke University, Delivered by: Coursera, Taught by: Emma Rasiel.
3. MOOC Material: Behavioral Finance (Coursera), Created by: Duke University, Delivered by: Coursera, Taught by: Emma Rasiel.
4. MOOC Material: Portfolio and Risk Management (Coursera), Created by: Indian School of Business (ISB), Delivered by: Coursera, Taught by: RamabhadranThirumalai.

SEMESTER V
COMMUNICATION SKILLS

Course Code	Course Title	L	T	P	C
201ACLSPSL	Professional Skills	-	-	-	2

Aim:

Course Objectives :

The Objectives of the course are to help students/candidates:

1. Acquire career skills and fully pursue to partake in a successful career path
2. Prepare a good resume, prepare for interviews and group discussions
3. Explore desired career opportunities in the employment market in consideration of an individual SWOT.

Course Outcomes :

At the end of this course the students will be able to:

1. Prepare their resume in an appropriate template without grammatical and other errors and using proper syntax
2. Participate in a simulated interview
3. Actively participate in group discussions towards gainful employment
4. Capture a self - interview simulation video regarding the job role concerned
5. Enlist the common errors generally made by candidates in an interview
6. Perform appropriately and effectively in group discussions
7. Explore sources (online/offline) of career opportunities
8. Identify career opportunities in consideration of their own potential and aspirations
9. Use the necessary components required to prepare for a career in an identified occupation
(as a case study).

Unit I: Resume Skills

Resume Skills : Preparation and Presentation

- Introduction of resume and its importance
- Difference between a CV, Resume and Bio data
- Essential components of a good resume

ii. Resume skills : common errors

- Common errors people generally make in preparing their resume
- Prepare a good resume of her/his considering all essential components

Unit II: Interview Skills

i. Interview Skills : Preparation and Presentation

- Meaning and types of interview (F2F, telephonic, video, etc.)
- Dress Code, Background Research, Do's and Don'ts
- Situation, Task, Approach and Response (STAR Approach) for facing an interview
- Interview procedure (opening, listening skills, closure, etc.)
- Important questions generally asked in a job interview (open and closed ended questions)

ii. Interview Skills : Simulation

- Observation of exemplary interviews
- Comment critically on simulated interviews

iii. Interview Skills : Common Errors

- Discuss the common errors generally candidates make in interview
- Demonstrate an ideal interview

Unit III: Group Discussion Skills

Meaning and methods of Group Discussion

- Procedure of Group Discussion
- Group Discussion- Simulation
- Group Discussion - Common Errors

Unit IV: Exploring Career Opportunities

Knowing yourself – personal characteristics

- Knowledge about the world of work, requirements of jobs including self-employment.
- Sources of career information
- Preparing for a career based on their potentials and availability of opportunities

SEMESTER -VI

**PRIST UNIVERSITY, THANJAVUR
B.COM – CA**

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC61	Management Accounting	3	1	2	5

AIM

- To emphasis the importance of accounting information for managerial decision making and solving problems.

OBJECTIVES

- vii. To gain expert knowledge of the techniques of managerial accounting.
- viii. To know the application of various financial tools for making managerial decisions.
- ix. To apply techniques of costing for business decisions.

Unit -I

Definition of Management accounting — Nature, scope, objectives, Functions of management accounting — Management Accounting and Financial Accounting Management Accounting and Cost Accounting — Advantages & Limitations of Management Accounting

Unit -II

Financial Statement Analysis - Comparative statement — Common Size statement — Trend percentages — Ratio Analysis.

Unit -III

Fund Flow Analysis and Cash Flow Analysis

Unit - IV

Marginal costing and Break — Even analysis — Budget and budgetary controls — Classification of budgets

Unit — V

Standard costing and variance analysis, Capital budgeting - Importance — Techniques of capital budgeting

OUTCOMES:

- Prepare analysis of various special decisions, using relevant costing and benefits
- More effective planning and control systems
- The students thought and knowledge on management Accounting
- Helps to give proper idea on financial statement analysis in practical point of view
- Introduce the concept of fund flow and cash flow statement
- Provide knowledge about budget control keeping in mind the scope of the concept
- Develop the know-how and concept of marginal costing with practical problems

Reference Books

1. Shashi K.Gupta & R.K.Sharma - Management Accounting
2. S:N.Maheswari - Management Accounting
3. R.Ramachandran and R.Srinivasan — Management Accounting
4. Hingorani and Ramanathan — Management Accounting

SEMESTER -VI

PRIST UNIVERSITY, THANJAVUR B.COM – CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC62	Income Tax Law and Practice	3	1	1	5

AIM :

To understand the basic elements of income tax theory, law and practice.

OBJECTIVES:

- I. To learn the basic concepts in income tax law
- II. To identify the various sources of income
- III. To know tax exemption and deductions.

Unit — I

Basic Concepts — Definitions — Assesses — Person, income, assessment year, previous year, basis of charge: Determination of Residential Status — Incomes exempt from tax

Unit - II

Salary: Definition — Salary under section 17 — allowances, perquisites, profit in lieu of salary — deductions under section 16 - computation of salary income.

Unit — III

House property: Definition, exempted incomes from house property — Annual value — determination of annual value — Let out — Self occupied — Deductions — computation of property income.

Unit —IV

Profits and Gains of business or profession — definition — charging provisions — deductions — computation of business and professional income

Unit — V

Capital Gains: Basis of charge — Cost of acquisition, cost of improvement — exempted capital gain — computation of capital gain — Income from other sources — Chargeability — deductions — Computation of Income under other sources.

OUTCOMES:

- File IT Return on individuals basis
- Compute the total Income and Define tax complicacies and structure.
- In order to familiarize the different know-how and heads of income with its components
- It helps to build an idea about income from house property as a concept
- It gives more idea about the income from business or profession
- Make the students familiarizes with the concept of depreciation and its provisions

Reference Books:

1. Gaur and Narang - Income Tax Law and Practice
2. Jayakumar and Dr.Hariharan - Income Tax Law and Practice
3. Rajavelu — Income Tax Law & Practice
4. Bagawathi Prasad — Income Ta

SEMESTER -VI

PRIST UNIVERSITY, THANJAVUR

B.COM – CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198SEC63	Database Management Systems	3	1	1	4

AIM

The primary goal of a **DBMS** is to provide an environment that is both convenient and efficient to use in retrieving and storing **data** base information.

OBJECTIVES

- I. To understand what a database is, about different types of databases, and why they are valuable assets for decision making.
- II. To appreciate the importance of database design.
- III. How and why modern databases evolved from files and file systems.

UNIT-I:

Concepts of DBMS, advantages, various vies of data, data independence, schema and Sub-schema, data models, database languages, database administration & Users.

UNIT-II:

Data dictionary, overall system architecture, E-R models, mapping constraints, Keys: Primary, Candidate, Super Key, Foreign Key.

UNIT-III:

Access Concepts & terms: database tables, relational database, record, fields controls & objects, queries and dynasets.

UNIT-IV:

Forms, reports, properties, wizards, macros, Access requirements, starting & quitting access, the access workspace & toll views.

UNIT-V:

Creating database & tablets with & without wizard, field name, data types and properties, adding & deleting fields in fields.

OUTCOME:

- Understand database concepts and structures and query language
- Understand the E R model and relational model
- Understand Functional Dependency and Functional Decomposition.
- Apply various Normalization techniques
- Understand query processing and techniques involved in query optimization.
- Understand the principles of storage structure and recovery management.
- Understand database concept and structures and query language.

References:

1. Working in MS-Office — “Ron Mansfield” (TMH)
2. Complete Reference Access 2002- Virginia Anderson (TMH)
3. Database-Management System — Silberchatz, Korth

SEMESTER -VI**PRIST UNIVERSITY, THANJAVUR****B.COM – CA**

COURSE CODE	COURSE TITLE	L	T	P	C
20198DSC64A	Elective – I A- E-Commerce	3	0	2	2

AIM:

To reach out to a larger audience since Internet access is becoming a mainstream.

OBJECTIVES

- I. This course provides an introduction to information systems for business and management.
- II. It is designed to familiarize students with organizational and managerial foundations of systems, the technical foundation for understanding information systems

Unit I:

E Commerce and E – Business – Introduction – technological Advancements – Ecommerce defined – Ecommerce

Unit II:

Business Models for E-Commerce – E Business Models Based on the relationship of Transaction parties – B2c – Business to Business – Customer to Customer – Consumer to – Business

Unit III:

E-Marketing – Traditional Marketing – Meeting the needs of Website visitors – E-Marketing value chain – Maintain website – Online Marketing

UNIT IV

e-Payment Systems: Main Concerns in Internet Banking – Digital Payment Requirements –
– Properties of Electronic Cash – Cheque Payment Systems on the Internet – Risk and e-Payment Systems – Designing e-payment Systems –Online Financial Services in India - Online Stock Trading.

UNIT V

Information systems for Mobile Commerce: What is Mobile Commerce? – Wireless Applications – Cellular Network – Wireless Spectrum – Technologies for Mobile Commerce – Wireless Technologies – Different Generations in Wireless Communication

OUTCOMES:

- Demonstrate an understanding of the foundations and importance of E-commerce
- Analyze the impact of E-commerce on business models and strategy
- Describe the infrastructure for E-commerce
- Discuss legal issues and privacy in E-Commerce
- Assess electronic payment systems

TEXT BOOK

1. P.T.Joseph, S.J., “E-Commerce - An Indian Perspective”, 4 Edition, PHI 2012.

REFERENCE BOOK

David Whiteley , “E-Commerce Strategy, Technologies and Applications”, Tata Mc-Graw-Hill, 2001

SEMESTER - VI

PRIST UNIVERSITY, THANJAVUR
B.COM-CA

COURSE CODE	COURSE TITLE	L	T	P	C
20198DSC64B	Elective – I B–Web Designing	3	0	1	2

Objectives:

This Subject is useful for Making own Web page and how to host own web site on internet. Along with that Students will also learn about the protocols involv in internet technology.

UNIT I

Introduction to WWW : Protocols and programs, secure connections, application and development tools, the web browser, What is server, choices, setting up UNIX and Linux web servers, Logging users, dynamic IP Web Design: Web site design principles, planning the site and navigation,

UNIT II

Introduction to HTML : The development process, Html tags and simple HTML forms, web site structure Introduction to XHTML : XML, Move to XHTML, Meta tags, Character entities, frames and frame sets, inside browser.

UNIT III

Style sheets : Need for CSS, introduction to CSS, basic syntax and structure, using CSS, background images, colors and properties, manipulating texts, using fonts, borders and boxes, margins, padding lists, positioning using CSS, CSS2. Javascript : Client side scripting, What is Javascript, How to develop Javascript, simple Javascript, variables, functions, conditions, loops and repetition

UNIT IV

XML : Introduction to XML, uses of XML, simple XML, XML key components, DTD and Schemas, Well formed, using XML with application.XML, XSL and XSLT. Introduction to XSL, XML transformed simple example, XSL elements, transforming with XSLT.

UNIT V

PHP : Starting to script on server side, Arrays, function and forms, advance PHP Databases : Basic command with PHP examples, Connection to server, creating database, selecting a database, listing database, listing table names creating a table, inserting data, altering tables, queries, deleting database, deleting data and tables, PHP myadmin and database bugs.

Learning Outcome:

After Studying that subject students would have capability to make own web site and host their own web site on internet. Also students would have enough knowledge about what are the technologies used in internet.

Reference Books:

1. Steven Holzner,"HTML Black Book", Dremtech press.
2. Web Technologies, Black Book, Dreamtech Press
3. Web Applications : Concepts and Real World Design, Knuckles, Wiley-India
4. Internet and World Wide Web How to program, P.J. Deitel & H.M. Deitel Pearson.

SEMESTER VI

Course Code	Course Title	L	T	P	C
201ACLSCET	Community Engagement	-	-	-	1

Aim:

Course Objectives:

- To develop an appreciation of rural culture, life-style and wisdom amongst students
- To learn about the status of various agricultural and rural development programmes
- To understand causes for rural distress and poverty and explore solutions for the same
- To apply classroom knowledge of courses to field realities and thereby improve quality of learning

Course Outcomes:

After completing this course, students will be able to

- Gain an understanding of rural life, culture and social realities
- Develop a sense of empathy and the bonds of mutuality with the local community
- Appreciate significant contributions of local communities to Indian society and economy
- Learn to value the local knowledge and wisdom of the community
- Identify opportunities for contributing to community's socio-economic improvements

UNIT I - Appreciation of Rural Society

Rural lifestyle, rural society, caste and gender relations, rural values with respect to community, nature and resources, elaboration of “soul of India lies in villages” (Gandhi), rural infrastructure.

UNIT II- Understanding rural economy & livelihood

Agriculture, farming, land ownership, water management, animal husbandry, non-farm livelihoods and artisans, rural entrepreneurs, rural markets

UNIT III Rural Institutions

Traditional rural organisations, Self-help Groups, Panchayati Raj institutions (Gram Sabha, Gram Panchayat, Standing Committees), local civil society, local administration

UNIT IV Rural Development Programmes

History of rural development in India, current national programmes: Sarva Shiksha Abhiyan, Beti Bachao, Beti Padhao, Ayushman Bharat, Swatchh Bharat, PM Awaas Yojana, Skill India, Gram Panchayat Decentralised Planning, NRLM, MNREGA, etc.

SEMESTER- VI

PRIST UNIVERSITY, THANJAVUR
B.COM
Open Elective -Journalism

COURSE CODE	COURSE TITLE	L	T	P	C
201ENOEC	Open Elective - Journalism	4	0	0	2

Aim :

- To acquaint with the basic knowledge of journalism

Objective:

- To instil in the minds of students the different aspects of journalism
- To understand the different kinds of news
- To learn the qualities and duties of a reporter, editor and sub-editor
- To familiarize with the style and features of the different sections in a newspaper

Outcome:

- Become a journalist
- Explore the different kinds of news

UNIT- I

Journalism – Definition, Qualities of a journalist, Forms of journalism, Role and elements

UNIT- II

News – Definition, Kinds, Elements, Sources

UNIT- III

Reporters

UNIT- IV

The Editor and the Sub-editor

UNIT –V

Language of Journalism, Style

Qualities of a Writer

Writing a News story, Opinion Pieces, Reviews, Headlines, Editorials

ReferenceBook:-

Author	Title of the book	Edition / Year	Publisher
Susan	Journalism		
John Hogenberg	Professional Journalism	2012	
M.James Neal	News Writing and Reporting		Surjeet Publication
M.V Komath	The Journalist's Handbook		

SEMESTER - VI

PRIST UNIVERSITY, THANJAVUR B.COM Open Elective:Development of Mathematical Skills

COURSE CODE	COURSE TITLE	L	T	P	C
201MAOEC	Open Elective : Development Of Mathematical Skills	4	0	0	2

Objectives

Knowledge and understanding are fundamental to studying mathematics and form the base from which to explore concepts and develop problem-solving skills. Through knowledge and understanding students develop mathematical reasoning to make deductions and solve problems.

To develop student's ability to apply both conventional and creative techniques to the solution of mathematical problems

Unit I

Simple interest and compound interest

Unit II

Sinking fund – discounting – trade discount – quantity discount – cash discount

Unit III

Set theory – Series

Unit IV

Matrices – Determinants

Unit V

Assignment problems

References

1. P.A.Navanitham, Business Mathematics & Statistics

2. Kanti swarup, P.K.Gupta and Manmohan, “ Operations Research”

- Learning outcomes
- By the end of this course, you should be able to
- know and demonstrate understanding of the concepts from the five branches of mathematics (Operations Research, Set Theory, statistics, Matrices and Business mathematics)
- use appropriate mathematical concepts and skills to solve problems in both familiar and unfamiliar situations including those in real-life contexts
- Select and apply general rules correctly to solve problems including those in real-life contexts.

SEMESTER - VI

PRIST UNIVERSITY, THANJAVUR

B.COM

Open Elective:Instrumentation

COURSE CODE	COURSE TITLE	L	T	P	C
201PHOEC	Open Elective : Instrumentation	4	0	0	2

Aim:

Making and analyzing measurements is the primary task of the experimental physicist. This includes designing experiments. Most experimental work, whether in bench-top situations, or using complex instruments. To many physicists this can be as interesting and involving as the basic physics one is trying to do.

Objectives:

- To build the strong foundation in physics of students needed for the field of Instrumentation.
- To prepare student to apply reasoning informed by the contextual knowledge to practice.
- To provide opportunity for students to work as part of teams on multi-disciplinary projects.

UNIT – I: INTRODUCTION

Potentiometer - calibration of volt meter and ammeter, measurement of resistance, Principles of network theorems – Thevenin’s and Norton’s theorem – Bridges :
AC bridges – Maxwell, Owen, Schering and deSauty’s bridges – Wien bridges.

UNIT – II: ELECTRONIC INSTRUMENTS – I

Basic characteristics of instruments – resolution – sensitivity - Audio frequency oscillator, Conversion of galvanometer into voltmeter and ammeter – resistance meter - Amplified D.C. meter – Chopper stabilized amplifier – A.C. Voltmeter using rectifiers – Electronic multimeter – Differential voltmeter – Digital voltmeters – Component measuring instruments (quantitative studies)

UNIT – III: ELECTRONIC INSTRUMENTS – II

Signal conditioning systems – DC and AC carrier systems – Instrumentation

amplifiers – Vibrating capacitor amplifier – Analog to digital data and sampling – A/D and D/A convertor (successive approximation, ladder and dual slope conversions).

Unit IV – Recording Devices

Recorders necessity – Recording requirements – Analog recorders – Graphic recorders – strip chart recorders – Galvanometer types recorders – Null type recorders.

Unit V – CRO

CRO – Construction and action – Beam transit time and frequency limitations – Measurement of potential, current, resistance, phase and frequency – Special purpose oscilloscopes – Sampling storage oscilloscope.

Books for Study

1. Electronic Instrumentation and Measurement techniques – W.D. Cooper and A.D. Helfrick – PHI – Third edn. – 1989

Learning Outcomes:

- Appreciate important practical aspects of theoretical knowledge: how important components work, when to impedance match, non-ideal behaviour of op-amps etc.
- Acquire a sound understanding of the role of noise in measurement systems and know how to apply noise reduction techniques.

Books for Reference:

1. A course in electrical and electronic measurements and Instrumentation – A.K. Sawhney – DhanpatRai and Sons – 1990.
2. Electronic measurements and instrumentation – Oliver Cage – McGraw Hill – 1975.

SEMESTER - VI

**PRIST UNIVERSITY, THANJAVUR
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COURSE CODE	COURSE TITLE	L	T	P	C
201MBOEC	Open Elective : Wild Life Conservation	4	0	0	2

Aim:

To enable the students understand the need of conservation of wildlife in India.

Objectives:

- Maintenance of rare species in protected areas such as national parks, sanctuaries etc., Establishment of specific biosphere reserves for endangered plants and animals.
- Protection of wild life through legislation such as banning hunting etc.,
- Imposing specific restrictions on export of endangered plants and animals or their products.

Course Outcome:

- Protection of natural habitats of organisms through controlled exploitation.
- Educating the public about the need to protect the environment
- Long range goal for preserve the wild life for welfare of future generations
- Conservation and Maintenance of endangered plants in wild life

Unit I:

Wildlife Management: Basic concepts and principles - Wildlife management before and after implementation of Wild Life (Protection) Act, 1972 – IUCN – CITES – NBA – IBA –

Evaluation of Wildlife habitat: Define habitat – Forest habitat types - basic survey techniques of habitats – Vegetative analyses – Point centered quadrat, Quadrat, strip transect – Habitat manipulation: Food, Water, shade, impact and removal of invasive alien species.

Unit II:

Introduction to conservation biology, the origin of conservation biology, ethical and economical values of conservation biology, definition of biodiversity, types of biodiversity, threats to biodiversity. Scopes and importance of conservation methods – *In-situ* and *Ex-situ* conservation approaches of Indian animals. Captive breeding (Lion-tailed macaque, white tiger and vultures) and reintroduction (Tiger, rhinoceros, gaur).

Unit III:

Biodiversity: Definition and importance - Biodiversity hotspots in India: Western Ghats, Eastern Himalayas. Mega diversity nations – an introduction. Landscape approach and people participation in biodiversity conservation.

Unit IV:

Role of Government and Non-Government organizations in conservation.– **Government** - Wildlife Institute of India, Ministry of Environment and Forests (MoEF), National Biodiversity Authority (NBA), Zoological Survey of India (ZSI), Botanical Survey of India (BSI), Salim Ali Centre for Ornithology and Natural History (SACON), Centre for Ecological Sciences (CES). **NGOs.** –Bombay Natural History Society (BNHS), World Wide Fund for Nature (WWF), Wildlife Trust of India (WTI), Nilgiri Wildlife and Environment Association (NWEA), Wildlife Conservation Society (WCS).

Unit V:

Conservation Biology Tools - Biological Parks, Zoological Parks, Forest Research Institute, Agricultural Research Institutions, Gene Pools, Cryopreservation Centres, Interpretation Centres and role of Field Biologists.

References:

1. Anon, 1992. Conservation on biological diversity. Text and annexure – WWF-India.
2. Gaughley, G. and A. Gunn. 1995. Conservation Biology in Theory and practice. Blackwell Publishers.
3. Dobson, A.P. 1996. Conservation and biodiversity scientific American Library, New York, USA.
4. John M. Fryxell, Anthony R.E. Sinclair and Graeme Caughley. 2014. Wild life Ecology, Conservation and Management. 3rd Ed. Wiley Blackwell Publi

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COURSE CODE	COURSE TITLE	L	T	P	C
201CAOEC	Open Elective – E- Learning	4	0	0	2

COURSE OBJECTIVES

- Learn the basics of E-Learning concepts.
- Learn the content development techniques.

COURSE OUTCOMES

- Develop e – learning application on their own.
- Ability to develop contents for e-learning.
- To perform course management using tools.

UNIT I INTRODUCTION

Introduction – Training and Learning, Understanding elearning, components and models of e- learning, Advocacy of e-learning – benefits, learning styles, criteria for choosing, - Applications of E-learning.

UNIT II CONCEPTS and DESIGN

E-Learning Strategy, the essential elements of elearning strategy, Quality assuring e-learning, suppliers and resources, virtual learning environments, authoring tools, e-assessment, Learning Design Issues – purpose, general principles, designing live e-learning, designing self managed learning.

UNIT III APPLICATIONS

Moodle 2.0 E-Learning Course Development – Features, Architecture, Installation and Configuring Site.

UNIT IV COURSE MANAGEMENT

Creating – Categories, Courses, Adding Static Course Material – Links, Pages, Moodle HTML Editor, Media Files, Interacting with Lessons and Assignments – Evaluating Students – Quizzes and Feedback.

UNIT V ENHANCEMENT

Adding Social Activities - Chat, Forum, Ratings, Blocks – Types, Activities, Courses, HTML, Online Users – Features for Teachers.

REFERENCE BOOKS:

1. Delivering E-Learning: A complete Strategy for Design, Application and Assessment, Kenneth Fee, Kogan page, 2009.
2. Designing Successful e-Learning, Michael Allen, Pfeiffer Publication, 2007.
3. Moodle 2.0 E-learning Course Development, William Rice, PACKT, 2011.
4. Moodle 2.0 First Look, Mary Cooch, 2010.

COURSE CODE	COURSE TITLE	L	T	P	C
201CSOEC	Open Elective - Web Technology	4	0	0	2

AIM

To equip the students with basic programming skill in Web Technology.

OBJECTIVE

- To understand the concepts and architecture of the Worldwide Web.
- To understand and practice mark up languages
- To learn Style Sheet and Frames

UNIT I

Introduction to the Internet: networking- internet – email – Internet Technologies: modem internet addressing .

UNIT II

Internet browsers: Internet Explorer – Netscape navigator- Introduction to HTML: Html document – anchor tag – hyperlink.

UNIT III

Head and body sections: Header section – titles – links- colorful web page – sample html document – Designing the body section: paragraph – tab setting.

UNIT IV

Ordered and unordered lists: list – unordered list – heading in a list- order list- nested list.

UNIT V

Table handling: tables – table creation in html cell spanning multiple rows and columns- coloring cells- sample tables- frames frame set definition- nested frames set.

OUTCOMES:

- Acquire knowledge about functionalities of world wide web
- Explore markup languages features and create interactive web pages using them
- Learn and design Client side validation using scripting languages
- Acquire knowledge about Open source JavaScript libraries
- Able to design front end web page and connect to the back end databases.

REFERENCE BOOKS

1. World Wide Web design with HTML – C. Xavier – Tata McGraw – Hill – 2000.
2. Principles of web design – Joel Sklar – Vikas publishing house 2001.

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RESEARCH INTEGRATED CURRICULUM

The relationship between teacher and learner is completely different in higher education from what it is in school. At the higher level, the teacher is not there for the sake of the student; both have their justification in the service of scholarship. For the students who are the professionals of the future, developing the ability to investigate problems, make judgments on the basis of sound evidences, take decisions on a rational basis and understand what they are doing and why is vital. Research and inquiry is not just for those who choose to pursue an academic career. It is central to professional life in the twenty-first century.

It is observed that the modern world is characterized by heightened levels of complexity and uncertainty. Fluidity, fuzziness, instability, fragility, unpredictability, indeterminacy, turbulence, and changeability, contestability: these are some of the terms that mark out the world of the twenty-first century. Teaching and research is correlated when they are co-related. Growing out of the research on teaching- research relations, the following framework has been developed and widely adopted to help individual staff, course teams and whole institutions analyze their curricula and consider ways of strengthening students understanding of and through research. Curricula can be:

Research – Led: Learning about current research in the discipline

Here the curriculum focus is to ensure that what students learn clearly reflects current and ongoing research in their discipline. This may include research done by staff teaching them.

Research – Oriented: Developing research skills and techniques

Here the focus is on developing student's knowledge of and ability to carry out the research methodologies and methods appropriate to their discipline(s)

Research – Based: Undertaking research and inquiry

Here the curriculum focus is on ensuring that as much as possible the student learns in research and or inquiry mode (i.e. the students become producers of knowledge not just consumers). The strongest curricula form of this is in those special undergraduate programmes for selected students, but such research and inquiry may also be mainstreamed for all or many students.

Research- Tutored: engaging in research discussions

Here the focus is on students and staff critically discussing ongoing research in the discipline.

All four ways of engaging students with research and inquiry are valid and valuable and curricula can and should contain elements of them.

Moreover, the student participation in research may be classified as,

- Level 1: Prescribed Research
- Level 2: Bounded Research
- Level 3: Scaffold Research
- Level 4: Self actuated Research
- Level 5: Open Research

Taking into consideration the above mentioned facts in respect of integrating research into the B.Com curriculum, the following Research Skill Based Courses are introduced in the B.Com curriculum.

Semester	RSB Courses	Credits
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II	Research Led Seminar	1
III	Research Methodology	3
V	Participation in Bounded Research	2
VI	Project Work	4

Blueprint for assessment of student's performance in Research Led Seminar Course

- **Internal Assessment:** **40 Marks**
 - Seminar Report (UG)/Concept Note(PG) : 5 X 4= 20 Marks
 - Seminar Review Presentation : 10 Marks
 - Literature Survey : 10 Marks
- **Semester Examination :** **60 Marks**
(Essay type Questions set by the concerned resource persons)

Blueprint for assessment of student's performance in Research Methodology Courses

Continuous Internal Assessment: **20 Marks**

- Research Tools(Lab) : 10 Marks
- Tutorial: 10 Marks

Model Paper Writing: **40 Marks**

- Abstract: 5 Marks
- Introduction: 10 Marks
- Discussion: 10 Marks
- Review of Literature: 5 Marks
- Presentation: 10 Marks

Semester Examination: **40 Marks**

Total: **100 Marks**