GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

BARUGUR – 635 104

PROGRAM OUTCOME

GOVERNNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

BARGUR – 635 104.

OUT COME SPECIFIC REPORT

DEPARTMENT OF TAMIL UG COURSES

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2. Clfq;fspy; gzpGhpAk ; jFjpia cilatuhth;.
3. Nghl;bj; Njh;Tfspy; ntw;wpg; ngw;W muR Ntiyfisg; ngWth;.
4. jukhd ,yf;fpag; gilg;Gfisg; gilg;gh;
5. tpsk ;guj;Jiwapy; rpwe;J tpsq ;Fth;.

PG COURSES

1. rpwg;ghd nkhopahw ;wiy ntspg;gLj;Jth;.
2. rpq;fg ;G+h;> kNyrpah Nghd;w ehLfspy; Ntiytha;g;gpidg; ngWth;.
3. jkpoUila kuGk ; khw;wKk; gw ;wp mwpe;Jnfhs;th;.
4. r%fj;ij kjpg;gPL nra;tJ kl;Lky;yhky; jhq;fs; vt;thW gazpf;f Ntz;Lk; vd;gijAk; mwpth

B.A(English)

Programme Specific Outcome

Undergraduate Programme

- To learn the occurrence of philosophical movements which gives insight to the past, present and futuristic views in English literature.
- To develop mass communication skills and to emphasis the need for enhanced communicative skills for personal development.
- To create a learning ambience on English literature and literary environment.

Postgraduate Programme

- To develop the talent to write research works with critical perspective
- Appreciating literary text and to evaluate their literary merit in an impersonal way.
- Ability to interpret any given English text and to apply critical theories.
- Developing intellectual, personal and professional abilities through effective communicative skills ensuring high standard of behavioral attitude through literary subjects and shaping the students socially responsible citizen.
- On successful completion of the program, the students will be accurate both in oral and written communication as they will be strong in grammar and its usage.
- They can express a thorough command of English and its linguistic structures.

- They will be familiar with conventions of diverse textual genres including fiction and non- fiction, poetry, auto-biography, biography, journal, film, play, editorial, etc

S.NO	BA ENGLISH	COURSE OUTCOME
SEMESTER-I		
1	Core Course-I(CC) Poetry	• Comprehend the changing trends in English poetry from the Age of Renaissance to Johnson • Able to analyze and appreciate poetry critically
2	Core Course-II Grammar and Usage	• Have knowledge on fundamental principles of English grammar including parts of speech, sentence types, sentence analysis, simple/compound/complex sentences, subject- verb agreement, pronoun usage, punctuation, capitalization etc.

3	First Allied Course-I (AC) Social History of England	• Understand the social and literary history of England from the Middle • Ages to the 20th century • Aware of the relation between socio-political and socio-religious events and literary works
4	Value Education	• To develop the personality of students in its physical, mental, emotional and spiritual aspects. • Inculcation of a spirit and dignity. • Evolving the values of education.
SEMESTER-II		
5	Core Course- III (CC) Prose	• Introduce the evolution of English prose from the Elizabethans to the 20thcentury • Expose learners to various styles of prose writers • To train learners to imitate and improve their style of writing
6	Core Course-IV(CC) Indian Writing In English	• Aware of the history and the growth of Indian Writing in English • Aware of the rich literary tradition in Indian Writing in English • Enabled to appreciate the changing trends in Indian literature in English from pre to post-Independence era
7	Allied Course-II (AC) History of English Literature	• Aware of the literary history of the texts from the Age of Chaucer to Dryden • Eexposed learners to the historical background of the literary texts from the Age of Pope to the Present Age • Understand the rise and fall of literary movements and their relationships to socio- political and socio-religious events
8	EVS	• Know the importance of Environmental studies • Know the scope of Environmental studies
SEMESTER III		
9	Core Course-V (CC) Drama	• Introduced learners to the emergence of English Drama from the Elizabethans to the 20th century • Understand the features of tragedy, comedy of humors, and sentimental comedy, drama of ideas and absurd play

10	Allied Course-III (AC) Literary Forms and Criticism	• Aware of various literary forms. • Understand the literary terms while analyzing and interpreting the works of literature.
11	SBEC-I Creative Writing	• Have knowledge in all fields like writing poetry, fiction, short stories. • Acquire skills for writing a Review for books, films, articles. • Develop a professional writing styles.
12	SBEC-II Soft Skills for Career Communication	• Apply an effective Communication • Know the importance of soft skills • Have good knowledge in listening, speaking, and reading skills
SEMESTER-IV		
13	Core Course-VI(CC) Fiction	• Understand different forms of novel from the Age of Tennyson to the20th century • Identify diverse fictional themes and techniques • Improved creative and imaginative faculties through the novels of major British writers
14	Allied-IV Phonetics and Transcription	• Familiarize learners with the speech mechanism • Determine the techniques involved in sounds in English • Able to apply the transcription of words, sentences, passages.
15	SBEC III Presentation Skills	• Know about the types and methods of presentations • Able to do powerful presentation .
16	SBEC IV Personality Development	• To impart knowledge in learning self-Management • To help the learners learning the personality Traits, Right Attitude, Honesty, and Reliability
SEMESTER-V		
17	Core Course-VII (CC) Shakespeare	• Exposed to the dramatic and theatrical conventions of Shakespeare • Understand the characterization, dramatic and poetic techniques in Shakespearean

18	Core Course-VII (CC) Language and Linguistics	• Aware of the history of English language and concepts in phonetics and linguistics • Aware of the form and content of Language • Know the scientific systems of the language
19	Core Course-IX (CC)Feminist Writing	• Understand the feminist theories. • Have a critical understanding of ethics, racial, and gender.
20	Core Course-X (CC) American Literature	• Exposed to important aspects in various genres of American literature • Acquainted with the richness of American literature through representative works of poets, essayists and novelists
21	Elective-I English for Competitive Examinations	• Have confidence in learners and improve their language skills to face the challenges of a competitive examination • Equipped with adequate English language skills to achieve success in competitive examinations

MA ENGLISH

S.NO	MA ENGLISH	COURSE OUTCOME
1.	**Core Course – I Chaucer and Elizabeth**	The socio- political background of Chaucer's age. • The birth of Modern literature. • Life & society & literature of the Elizabethan age.
2.	**Core Course – II Restoration and Augustan age**	• To introduce learners to the evolution of English poetry – Chaucer's period • To expose learners to the salient features of metaphysical poetry To introduce learners to the origin of English essays • To make learners understand the features of tragedy, romantic tragedy, revenge play and comedy of humours of Shakespeare's predecessors
3.	**Core Course – III Romantic age**	• To familiarize learners with the characteristics of Romantic poetry • To acquaint learners with the unique qualities of the essays of Lamb and Hazlitt • To make learners aware of the characteristics of Scott's and Jane Austen's novels

4.	**Core Course – IV** **Indian Writing in English**	• To enable learners to appreciate the changing trends, from Romantic to realistic, in Indian literature in English from pre to post-Independence era • To make learners aware of Indian sensibility in the representative works.
5.	**Elective Course – I** **American Literature**	• To introduce learners to significant aspects in various genres of American literature To help learners get acquainted with the richness of American literaturethrough representative works of poets, essayists, playwrights and novelists

	SEMESTER II	
6	**Core Course – V** **Victorian Age**	• To enable learners to understand the spirit of Victorian England and its influence on poetry • To help learners appreciate the revolution brought about through Aesthetic Movement and antiVictorian Movement in poetry, drama and novel during the Age of Hardy • To expose learners to various aspects of the works of T.S. Eliot
7	**Core Course – VI** **Twentieth Century Literature**	• To comprehend the influence of the world wars on the literary canvas of modern age. • To understand the major literary and social changes that characterize the modern age. • Familiarize with the new trends in English theatre.
8	**Core Course – VII** **Shakespeare**	• To expose learners to the development of linguistic, social, psychological and existential skills through a few representative plays of Shakespeare • To make learners understand the characterization, dramatic and poetic techniques of Shakespeare
9	**Elective Course – II** **Linguistic and Stylistics**	• To provide learners an insight into the nature of language • To familiarise learners with the discourse of linguistics and to expose them to theoretical and practical manifestations of linguistics • To enable learners to understand the nexus between literature and society
10	**ED – I Journalism and Mass Communication**	• To introduce learners to different types of communication • To expose learners to the functions of mass media and mass culture and popular culture • To make learners understand various aspects of mass media
	SEMESTER III	
11	**Core Course – VIII** **New Literatures in English**	• To make learners familiarize with writers of new literatures • To enable learners to appreciate various cultures
12	**Core Course – IX** **Literary Criticism**	• To help learners develop literary sensibility and critical thinking • To make learners understand a wide range of literary texts, literary history and literary criticism • To introduce learners to a variety of critical approaches to perceive

13	**Core Course – X Comparative Literature and Translation**	• To expose learners to the scope, methodology and application of the theories in comparative literature • To help learners understand the thematology and genre studies • To make learners know a few representative classics in translation
14	**Core Course – XI Women's Writing**	• To know some of the developments theme and narrative strategies of English language, feminists fiction. • To know the central points of a selection of feministic theory and can use it as a context for reading literary texts.
15	**Elective Course – III The English Language**	• To trace out the history of English language and various components of linguistics structure of the language.
	SEMESTER IV	
16	**Core Course – XII Research Methodology and Rhetoric**	• To expose learners to philosophy of research • To enable learners to use different research sources and document them • To make learners know the format of research and mechanics of Writing
17	**Core Course – XIII The English Language Teaching**	• Creating a connection between teaching and learning between professors and students. • To trace out the history of English language and various components of linguistics structure of the language
18	**Core Course – XIV Journalism and Mass Communication**	• To introduce learners to different types of communication • To expose learners to the functions of mass media and mass culture and popular culture • To make learners understand various aspects of mass media
19	**Project**	• The aim of the project work is to acquire practical knowledge on the implementation of the perception studied through the programme.

20	**Elective Course – V English Literature for Competitive Examinations**	• To help learners have a wide range of knowledge in literature – poetry, prose, drama, short story and novel • To help learners prepare for UGC Eligibility tests for JRF and Assistant Professorship

B.Sc (Mathematics)

1. Student will acquire problem solving skills in a broad range of mathematics.

2. Students will be able to produce and judge the validity of vigorous mathematical arguments.
3. Students will be able to communicate mathematical ideas and arguments, both written and orally.
4. Students will be able to prepared and use mathematics in their carriers.

M.Sc (Mathematics)

1. Graduates will demonstrate mastery in mathematical subjects.

2. Graduates will be able to listen and analyze oral mathematical presentations involving in projects.
3. Graduates will be able to conduct professional activities in an ethical manner.

4. Positive approach towards higher education in mathematics.

S.NO	**B.Sc MATHEMATICS**	**PROGRAMME OUTCOME**
SEMESTER I		
1.	Classical Algebra	(1)Have a good foundation for the study of theory of equations. (2)Trained to operate in algebra
2.	Differential Calculus	(1).Introduced to the basis of differentiation and their applications. (2)Introduced to the notation of curvatures, Evolutes and Involutes and Polar co- ordinates
SEMESTER II		
3.	Integral Calculus	(1.)Introduced to the basics of integration and their applications. (2).Know some applications of definite integrals. (3).Understand the concepts of Beta, Gamma functions

4.	Vector Analysis	(1)Have the basic knowledge of vector differentiation & vector integration. (2). Able to solve vector differentiation & integration problems
SEMESTER III		
5.	Statics	(1).To provide the basic knowledge of equilibrium of a particle. (2).To develop a working knowledge to handle practical problems.
6.	Differential Equations and Laplace Transforms	(1).To know the order and degree of the ODE's (2).To identify some specific methods and solve them (3).To make difference between ODE and PDE (4).To solve some standard methods (5).To know the concept of Laplace transforms and its inverse with applications.
7	Quantitative Aptitude	(1).To learn the problems solving techniques for aptitude problems (2).To enable to students prepare themselves for various competitive examinations

SEMESTER IV		
8.	Dynamics	□□□□To provide a basic knowledge of the behavior of objects in motion. (2)To develop a working (3)knowledge to handle (4)practical problems.
9.	Trigonometry and Analytical Geometry of 3D	• (1)To understand the basic (2)concepts of Trigonometry (3)To understand the basic (4)concepts of Geometry (5)To introduce the concepts of Conics and shapes.
10.	Mathematical Statistics	(1)To know the Averages ,Median,Mode etc., (2)To introduce the basic concepts of Distributions.
SEMESTER V		
11.	Modern Algebra	(1) To introduce the concept of Algebra from the basic set theory and Functions, etc (2) To introduce the concept of Group theory and Rings.
12.	Real Analysis	(1) To enable the students to understand the real number system and countable concepts in real number system (2) Provide a Comprehensive idea about the real number system. (3) Understand the concepts of Continuity, Differentiation and Riemann Integrals (4) Learn Rolle's Theorem and apply the Rolle's theorem concepts.

13.	Complex Analysis	(1) Understand the functions of complex variables, continuity and differentiation of complex variable functions, C – R equations of analytic functions. (2) Learn about elementary transformation concepts in complex variable. (3) Know about complex Integral functions with Cauchy's Theorem, power series expansions of Taylor's and Laurant's series. (4) Understand the singularity concepts and residues, solving definite integrals using the residue concepts.
14.	Operation Research	(1) To introduce the various techniques of Operations Research. (2) To make the students solve real life problems in Business and Management
15.	Discrete Mathematics	(1) To introduce the concepts of Mathematical logic *(2)* To introduce the concepts of Boolean Algebra and Permutations.
16	C-Programming	(1)To introduce the basic concepts of C-language.
SEMESTER VI		
17	Modern Algebra II	(1) To introduce the concept of Algebra from the basic set theory and Functions, etc. (2) To know the algebraic expressions.
18	Graph Theory	To introduce the notion of graph theory and its applications. (2)To learn the techniques of combinations in Graph Theory.
19.	Numerical Methods	Study the Finite Difference and Interpolation. (2)To find the numerical values of a given function.
20.	Latex Theory	avoid the difficulties in typing the mathematical symbols .

S.NO	M.Sc MATHEMATICS	PROGRAMME OUTCOME
SEMESTER I		
1.	Linear Algebra	(1) To facilitate a better understanding of vector space (2) To solve problems in linear algebra
2.	Real Analysis	(1) To enable the students to understand the real number system and countable concepts in real number system (2) Provide a Comprehensive idea about the real number system. (3) Understand the concepts of Continuity, Differentiation and Riemann Integrals (4) Learn Rolle's Theorem and apply the Rolle's theorem concepts.
3.	Mechanics	(1)To provide a basic knowledge of the behaviour of objects in motion. (2).To provide the basic knowledge of equilibrium of a particle. (3).To develop a working knowledge to handle practical problems
4.	Ordinary Differential Equations	(1).To know the order and degree of the Equations. (2).To identify some specific methods and solve them.
SEMESTER II		
3.	Algebra	(1) To introduce the concept of Algebra from the basic set theory and Functions, etc (2) To introduce the concept of Group theory and Rings
4.	Fluid Dynamics	(1) To provide a basic knowledge of the behavior of objects in motion in the viscous fluid. (2) To develop our knowledge in the motion of the inviscid fluid.

5.	Complex Analysis	Understand the functions of complex variables, continuity and differentiation of complex variable functions, C – R equations of analytic functions. (2)Learn about elementary transformation concepts in complex variable. (3)Understand the singularity concepts and residues, solving definite integrals using the residue concepts.
SEMESTER III		
6.	Partial Differential Equations	(1).To identify some specific methods and solve them (2).To solve some standard methods like Hyperbolic Equations,Parabolic and Elliptic Equations.
7.	Topology	(1) To study the concept of Topological Spaces and Discrete spaces. (2) To find the concept of Metric spaces.
8.	Measure Theory and Integration	(1)To study the distance between the intervals (2)To study the outer measure of the given intervals.
9.	Calculus of Variations and Integral Equations	(1) To provide a basic knowledge of the given fredholm equations. (2) To introduce the basics of integration and their applications
SEMESTER IV		
10.	Functional Analysis	(1)To find the length of the vectors (Norm length) (2)To know the concept of projections (3)To study the concept of Banach space.
11.	Probability Theory	• (1)To introduce the basic concepts of Distributions (2).To understand the concepts of Beta, Gamma functions

Department of Physics

Undergraduate programme

- Understand the core concept of physics subject
- Excel in experimental and theroectical physics
- Confident to take up competitive exam

Postgraduate programme

- Appiy therotical knowledge of principles and concept of physics to practical problem
- Use mathematical techniques and interpret mathematical models of physical behavior
- Demonstrate the ability to plan, understand and report on a programme of original work including the planning and execution of experiments the analysis and interpretation of experimental results

S.NO	**B.Sc PHYSICS**	**PROGRAMME OUTCOME**
		SEMESTER I
1	Properties of Matter and Acoustics	To identify the characteristics of matter in terms their properties and to know the basic principles of acoustics.
2	Practical I	To motivate and educate the students to acquire skill in physics Experiments.
		SEMESTER II
3	Mechanics	An attempt is made to give a better insight of the change of position of any physical object or event and their consequences.
4	Practical I	To motivate and educate the students to acquire skill in physics Experiments
		SEMESTER III
5	Thermal Physics	To understand the phenomena connected with heat as radiation, conduction, different thermal

		capacities of substances and the converse process of making heat to do mechanical work.
6	Practical II	To enhance the knowledge in experimental physics
7	Energy Physics	To make the students to understand the present day crisis of need for conserving energy and alternatives are provided.
SEMESTER IV		
8	Electricity, Magnetism and Electro Magnetism	This course provides an in depth coverage of behaviour of stationary electric charges, electricity, magnetism and how they are connected.
9	Practical II	To enhance the knowledge in experimental physics.
10	Laser Physics	To introduce the physical and engineering principles of laser operation and their applications.
SEMESTER V		
10	Nuclear Physics	To emphasize the understanding of nuclear forces and models, elementary particles and Accelerators.
11	Theoretical Physics	To know the facts and develop a unified and logical treatment of the subject matter with clarity and conciseness.
12	Practical IV	To provide an indepth knowledge and skill in Electronics, C- Programming and Micro Processor.
13	Material Science	To develop knowledge in material science and to understand the relationship between properties and material characteristics.
SEMESTER VI		
14	Nuclear Physics	To emphasize the understanding of nuclear forces and models, elementary particles and Accelerators.
15	Theoretical Physics	To know the facts and develop a unified and logical treatment of the subject matter with clarity and conciseness.
16	Practical IV	To provide an indepth knowledge and skill in Electronics, C- Programming and Micro Processor.

17	Microprocessor and 'C' Programming	The purpose of this course is to introduce students about the key features and implementation of C language and 8085 Microprocessor assembly.
18	Communication Physics	To promote scientific temper among students and update the basic functioning of various

S.NO	M.SC PHYSICS	COURSE OUTCOME
	SEMESTER I	
1	CORE COURSE I MATHEMATICAL PHYSICS	To learn various mathematical concepts and techniques in vector space, groups and functions of special types to solve physical problems.
2	CORE COURSE II CLASSICAL DYNAMICS AND RELATIVITY	To learn various mathematical techniques of classical mechanics and their applications to physical systems and introduce relativistic dynamics.
3	CORE COURSE III ELECTRONICS	To understand the working of advanced semiconductor devices and digital circuits and the utility of OP-AMP and learn the basics of integrated circuit fabrication, applications of timer IC-555 and building block of digital systems.
4	CORE COURSE IV METHODS OF SPECTROSCOPY	To familiarize with the basic principles of various spectroscopic techniques and their applications in the determination of atomic structure, chemical composition and physical properties of materials.
5	CORE PRACTICAL I PHYSICS PRACTICAL I (GENERAL AND ELECTRONICS)	Experimental determination of certain physical constants and properties and verification of characteristics and applications of electronic components and devices.
	SEMESTER II	
6	CORE COURSE V ELECTROMAGNETIC THEORY	To learn the theory for the fields produced by stationary and moving charge and charged systems and propagation of electromagnetic fields.
7	CORE COURSE VI QUANTUM MECHANICS	To learn the fundamental concepts and certain theoretical methods of quantum mechanics and their applications to microscopic systems.
8	CORE PRACTICAL II PHYSICS PRACTICAL II (MICRPROCESSOR AND PROGRAMMING)	To develop programming skills of microprocessor and C++ programming in solving some mathematical problems and their applications.
9	ELECTIVE COURSE I	To learn basic principles of architecture and

	MICROPROCESSOR AND MICROCONTROLLER OBJECTIVE	functioning of microprocessor and microcontroller and programming and interfacing aspects of them.
10	ELECTIVE COURSE II NUMERICAL METHODS AND C++ PROGRAMMING	To learn numerical methods of computing certain mathematical quantities, construction and evaluation of a function and solution of an ordinary differential equation and C++ computer programming necessary for numerical simulation of physical problems.
SEMESTER III		
11	CORE COURSE VII STATISTICAL MECHANICS	To learn the basics of classical and quantum statistical mechanics and to understand some of their applications.
12	CORE COURSE VIII SOLID STATE PHYSICS	To learn the basics of crystal structure and underlying theoretical development for the description of certain properties and phenomena of solid states.
13	CORE PRACTICAL III PHYSICS PRACTICAL III (GENERAL AND ELECTRONICS)	Experimental determination of certain physical constants and properties and verification of characteristics and applications of electronic components and devices.
14	ELECTIVE COURSE III CRYSTAL GROWTH AND THIN FILM PHYSICS	To understand the theoretical concepts involved in crystal growth and thin film sciences and to learn the basic characterizing techniques of materials.
15	ELECTIVE COURSE IV NONLINEAR OPTICS	To learn the basic principles and working of lasers, basic processes and features of nonlinear optical materials and fiber optics.
SEMESTER IV		
16	CORE COURSE IX NUCLEAR AND PARTICLE PHYSICS	To learn the various aspects of nucleus and its behavior under various conditions.
17	CORE COURSE X ADVANCED PHYSICS	To learn the basics and the advanced applications of physics in the fields of astrophysics, space physics, biomedical science and wireless communication.
18	CORE PRACTICAL IV PHYSICS PRACTICAL IV (ELECTRONICS)	Verification of characteristics and applications of electronic components and devices.
19	ELECTIVE COURSE V NANOPHYSICS	To learn the structures, properties, characterization and applications of nanomaterials.

DEPARTMENT OF COMPUTER SCIENCE
COURSE OUTCOMES
DEPARTMENT OF COMPUTER SCIENCE

UNDERGRADUATE PROGRAMME

- Possess basic knowledge on core concepts of Computer Science.
- Ability to solve problems using programming languages and software tools.
- Capable of analyzing, designing, developing, testing and implementing software systems.
- Attain holistic knowledge in Mathematics, Physics, and Computer Science courses.
- Possess social and ethical values.
- Empowered with analytical mind and critical thinking.
- Ability to communicate the technical aspects of systems with peers.
- Possess employability and entrepreneurship skills.

POSTGRADUATE PROGRAMME

- Have extensive knowledge on core concepts in Computer Science
- Apply knowledge of computing to produce effective designs and solutions for specific problems.
- Use software development tools, software systems and modern computing platforms.
- Possess social, moral and ethical values.

M.Phil PROGRAMME

- Preparation of Research proposals.
- Understand the basic concepts of research and its methodologies of scholarly writing and evaluate its quality.To form the basis for pursuing Ph.d in future.

UNDER GRADUATE PROGRAMME

S.NO	B.SC(COMPUTER SCIENCE)	PROGRAMME COURSE OUTCOME
	SEMESTER-I	
1.	Core I-Digital computer fundamentals and microprocessor	• To acquire the basic knowledge of digital logic levels, digital electronic circuits. • To study about interrupts,buses and microprocessor.
2.	Core practical I-Assembly language programming	• Ability to write assembly program for the 8085 microprocessor.
3.	Allied I-Paper-I -Discrete Maths	• Able to construct simple mathematical proofs and possess the ability to verify them.
4.	Value Education	• Ability to understand the important of value based living. • Student will gain deeper understanding about the purpose of their life.
	SEMESTER-II	
5.	Core II- C Programming	• To provide students with understanding of code organization of C and functional hierachical decomposition with using complex data types.
6.	Core practical-Programming in C	• Ability to handle possible errors during program execution. • Understanding a functional hierarchical code organization.
7.	Allied I-Paper-II Numerical methods	• Using appropriate numerical methods, determine the solutions to given non linear equations.
8.	Allied Practical I - Paper-III(Physics	• To get the ability to idintify

	practical)	almost all electronic components and their working principles.
9.	SBEC-I-System administration and maintenance	• To learn characterstics pc hardware, input, output devices, network concepts. • understand and learn to install configure trobleshoot operating system.
10.	EVS-Environment stidies	• An environment studies major will be able to recognize the physical,chemical, and biological components of the earth's system and show how they function.
SEMESTER-III		
11.	Core III-Object Oriented Programming with C++	• Understand the features of C++ supporting object oriented programming. • Understand how to apply the major object – oriented concepts to implement object oriented programm in C++, encapsulation, inheritance and polymorphism stream I/O templates and operator overloading.
12.	Core IV-Data Structures and Algorithms	• Ability to analyse and design algorithms. • Able to understand the concepts of array, stack, queuelinked list, trees, graphs,sorting and searching.
13.	Core practical III-Practical-III:Programming in C++	• Analyse and implement the basic concepts of OOP. • Able to implement the data structure concepts using C++.
14.	Allied II-Paper-I (physics)	• The students will demonstrate and understanding the core knowledge in physics.
15.	Allied-Practical II- Lab-I(*) physics	• To get the ability to identify almost all electronic components and their working principles
16.	NMEC-I-Tamil/Advanced Tamil(or) Non-Major Elective Course-I	• To understand the Tamil fundamental Grammar and literature
SEMESTER-IV		
17.	Core V-Relational Database Management Systems	• Understand the database concepts and database management system software, DBMS components and

		their function.
18.	Core practical IV-Practical-IV:RDBMS	• Design and implement a database schema for a given problem-domain. • Normalize a database,populate and query a database using SQL commands.
19.	Allied II-Paper-II-Physics	• The students will demonstrate and understanding of core knowledge in physics.
20.	Allied II Practical- Physics Practical Lab-I(*)	• To get the ability to identify almost all electronic components and their working principles
21.	SBEC-II-Internet and its Applications	• To learn about the pontential applications such as E-Mail, World Wide Web, browser and firewalls.
22.	NMEC-II-Tamil/Advanced Tamil (OR)Non-Major elective-II	• To understand the Tamil fundamental Grammar and literature
SEMESTER-V		
23.	Core VI-GUI Programming	• Understand the features of visual basic programming • Able to develop GUI based applications
24.	Core VII-Operating Systems	• To understand the main components of an OS & their functions. • To understand the process managemnet and scheduling, Deadlocks,Input/Outputs.
25.	Core VIII -Computer Networks	• Understand basics taxonomy and terminology of the computer networking and enumerate the leyers of OSI model and TCP/IP model.
26.	Elective-I-Problem Solving Techniques	• To develop the proficiency critical thinking and problem solving skills.
27.	Core Practical V-Programming in VB	• To provide the skills and knowledge required to use esstial feautures and capabilitys of visual BASIC, a programming system

		used to produce graphical user interface and application in a windows environment.
28.	SBEC-III-Practical-Shell Programming	• Able to implement various unix commands and write simple shell scripting programs.
29.	SBEC-IV-Multi skill Development	• To encourage the all round development of student by focusing on soft skills.
SEMESTER-VI		
30.	Core IX-Java Programming	• To learn object oriented programming language used to create stand alone applications and applets for the world wide web.
31.	Core X-Software Engineering	• An ablity to identify,formulate and solve complex engineering problems by applying principles of engineering,science,and mathematics. • The ablity to analyze, design, verify, validate, implement, apply, and maintain software.
32.	Elective-II-Web Technologies	• To develop a dynamic webpage by the use of java script. • Ability to design and develop web pages using HTML.
33.	Elective-III-Computer Graphics	• Understand the basic concepts of computer graphics. • Understand the concepts of different type of geometric transformation.
34.	Core practical VI-Programming in java	• To study an integrated development environment & to write, complie, run, and test simple object-oriented java programs.
35.	SBEC-V-Practical-Image Editing Tool	• To learn the basic tools used in Adobe photoshop to create and edit the images.
36.	SBEC-VI-PHP Scripting Language	• To create PHP programs that use various PHP library function, and that manipulate files and

S.NO	M.Sc Computer Science	PROGRAMME COURSE OUTCOME

		directories.
37.	Extension Activities	• To make classroom learing more meaningful, as they give learners a chance to personalise language and content.

SEMESTER I		
1.	Core Course –I Design and Analysis of Algorithms	• Apply the algorithms and design techniques to solve problems. • Analyze the complexities of various problems in different domains.
2.	Core Course –II Advanced Computer Architecture	• To study parallel computer architecture, design and micro-operations. • To understand the interconnection networks and synchronization mechanism.
3.	Core Course –III Advanced Java Programming	• Provides a platform for learning Java language, packing the programs into modules and network programs. • Helps to develop web based applications and learn the advanced concepts of Java.
4.	Core Course –IV Principles of Programming Languages	• To introduction the programming paradigms and to understand the principles and techniques involved in design and implementation of different programming language. • To introduce notations to describe syntax and semantic of programming languages.
5.	Core Course –V Advanced Operating Systems	• To study the concepts of synchronization mechanisms and deadlock models. • To learn the theoretical foundation of clock, mutual exclusion, deadlock detection, resource sharing and concurrency control in distributed environment.
6.	Core Course –VI Advanced Java Programming Lab	• To implement various java concepts such as multi threading, exception and event handling etc., and write programs using AWT, Swing, JDBC, Servlets, JSP and RMI.
7.	Core Course-VII Algorithms Using C++ Lab	• To study about various designing paradigms of algorithms for solving real world problems and introduce the methods of designing and analyzing algorithms.
SEMESTER –II		
8.	Core Course –VIII .NET Programming	• To study the concepts of .NET framework. • To learn the programming concepts in visual basic .Net, ASP.Net web services, ADO.Net Data Access, and C#.
9.	Core Course- IX Discrete Structures	• To extend student's Logical and mathematical maturity and ability to deal with abstraction. • To introduce most of the basic terminologies used in computer science courses and application of ideas to

		solve practical problems. • To have Knowledge of the concepts this needed to test the logic of a program.
10.	Core Course- X Data Mining Techniques	• To understand the fundamental processes concepts and techniques of data mining. • Investigate different applications, algorithms and trends of data mining.
11.	Elective Course- I Theory of Automata	• To introduce the concepts of automata theory and make the students to identify different formal language classes and their relationships. • To develop the skill to determine the decidability of computational problems.
12.	EDC –I Business Communication	• To impart the correct practices of the strategies of Effective Business Writing.
13.	Core Course-XI .Net Programming Lab	• To design / develop programs with GUI interfaces. • To write programs and develop interface using Visual Basic.Net.
14.	Core Course-XII Data Mining Lab	• To make students able to write programs in R. • To learn the implementation concepts of data mining operations.
15.	Human Rights	• To introduce the concepts of automata theory and make the students to identify different formal language classes and their relationships.
SEMESTER III		
16.	Core Course –XIII Open Source Computing	• To understand the basic Concepts of Python.
17.	Core Course- XIV Network Security and Cryptography	• To introduce the classical encryption techniques for information hiding. • To analyze cryptographic techniques, protocols,

		formats and standards.
18.	Core Course- XVI Digital Image Processing	• To develop a theoretical foundation for fundamental concepts of digital image processing. • To understand the mathematical background for image representation,pre-processing.
19.	Elective Course –II Object Oriented Analysis and Design	• Describe Object Oriented Analysis and Design Concepts to solve many real life problems and to develop software. • Helps to prepare Object Oriented Analysis and Design documents for a given problem using Unified Modeling language. • Helps to prepare Object Oriented Analysis and Design documents for a given problem using Unified Modeling Language.
20.	Core Course-XVII Lab V Python Programming Lab	• To understand the concepts and develop the programming skills in Python.
21.	Core Course-XVIII Mobile Application Development Lab	• To understand the concepts and develop the programming skills in J2ME.
	SEMESTER -IV	
22.	Elective Course –III Cyber Security	• To learn the basics of cyber security. • To know the security policies and cyber management issues.
23.	Elective Course –IV Software Engineering	• A broad perspective on widely used techniques for developing large scale systems. • The area of Software Testing has acquired wider horizon and significance. • Easier to grasp and gives students a clear understanding to overall SE process.
24.	Core Course- XIX Project Work and Viva-Voce	• Students will acquire the ability to make links across different areas of knowledge and to generate, develop and evaluate ideas and information so as to apply these skills to the project task.

BCA (Bachelor of Computer Applications)

Program Outcomes

- To provide thorough understanding of nature, scope and application of computer and computer languages
- To develop interdisciplinary approach among the students

Program Specific Outcomes

After the completion of the course, a student is able

- To focus on preparing student for roles pertaining to computer applications and IT industry
- To start from the basics and in every semester learns each and everything about computers.
- To develop programming skills(C, C++, Java, VB, Php), Networking skills, learn applications, packages and modern techniques of IT
- To know the Information about various computer applications and latest development in IT and communication system is also provided
- To pursue further studies to get specialization in Computer Science and Applications, Mathematics, Accounts and Business Administration.
- To Work in the IT sector as programmer, system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.
- To work in public sector undertakings and Government organizations.
- For teaching in Schools and Colleges.

2019-2020

SEMESTER I		
S.NO.	**B.C.A**	**PROGRAMME COURSE OUTCOME**
1	Core I: Computer Applications for Automation	• Demonstrate an understanding of computer hardware and software • Introduction to computers and History • Basics of MS-Word, MS-Excel, MS-Power Point • Introduction to MS-Access • Describe the features and functions of the categories of application software • Present conclusions effectively, orally and in writing • Understand the dynamics of an office environment • Demonstrate the ability to apply application software in an office environment
2	Practical I: Office Automation	By learning the course, the students will be able to perform documentation • to perform accounting operations • to perform presentation skills
3	Allied I: Discrete Mathematics	• Develops formal reasoning. • Creates habit of raising questions. • Knowledge regarding the use of Discrete Mathematics in Computer Science. • Helpful in formulating questions.
4	Value Education - Yoga	• Developing respect for the dignity of individual and society. • Developing a democratic way of thinking and living. • Developing tolerance and understanding of different religious faiths. • The student will develop a greater sense of body self

		esteem and appreciation for the art of yoga • Helping pupils to have faith in themselves and in some supernatural power that is supposed to control this universe and human life. • Enabling pupils to make decisions on the basis of sound moral principles • Finding out the interests of pupils in relation to different aspects and activities of value-education. • Clarifying the meaning and concept of value-education.
SEMESTER II		
5	Core II: C Programming	• Learn the basic and introduction of computer, structure of c and control structure • Know arrays, arrays types, string handling functions • Understand user defined functions, categories of function and recursion, structures and unions • Know the concept pointers, file handling, input output operations.
6	Practical II: Programming in C	Upon completion of this course, students will be able to: • Learn how to build by the algorithms for problems. • Learn how to create pictorial representations of the program. • Learn how to apply logic for problems. • Enhance their programming skills.
7	Allied II: Numerical Methods	• Skill to choose and apply appropriate numerical methods to obtain approximate solutions to difficult mathematical problems. • Ability to apply various statistical techniques such as Measures of Central Tendency and Dispersion. • Understanding of relationship between variables

		using the method of Correlation and Trend Fit Analysis. • Skill to execute programs of various Numerical Methods and Statistical Techniques for solving mathematical problems.
8	Allied III: Graph Theory	• To introduce the notion of graph theory and its applications. • To learn the techniques of combinatorics in Graph Theory
9	SBEC I : Internet and its Applications	• Basic principles of design and web development. • Basics of creating websites in HTML language. • Basics of Networking
10	Environmental Studies	• An environment studies major will be able to recognize the physical,chemical, and biological components of the earth's system and show how they function.
	SEMESTER III	
11	Core III-Fundamentals of Digital Computers	• Identify the logic gates and their functionality Perform Number Conversions from one System to another System • Design basic electronic Circuits(combinational circuits) • Understand the Memory addressing • Understand the arithmetic Circuits
12	Core IV-Structured System Analysis and Design	• The course has been designed to provide a foundation of systems principles and an understanding of System development • Ability to understand the system analysis and design • System implementation.
13	Core V-Data Structures and Algorithms	• Understand what is algorithm and Ability to analyze algorithms and algorithm correctness. Sample Algorithm. • Understand the Problem Solving Methods. • Understand the concept of Data Structure , Arrays and its Types • Ability to describe stack, queue and linked list operation. • Ability to summarize sorting and searching techniques • Ability to have knowledge of trees and graphs concepts.
14	Practical III-Data Structures using C	Upon completion of this course, students will be able to: • Have a comprehensive knowledge of the data structures and algorithms on which file structures and data bases are based. • Understand the importance of data and be able to

		identify the data requirements for an application. • Have an understanding and practical experience of algorithmic design and implementation. • Have practical experience of developing applications that utilize databases. • Understand the issues involved in algorithm complexity and performance.
15	Allied II- Paper I : Principles of Accounting	• Use debit and credit accounting to record and adjust basic business transactions. • Prepare multi-step income statements, classified balance sheets, and statements of retained earnings. • Use basic financial statement ratio analysis to evaluate financial performance. • Demonstrate knowledge of each step in the accounting cycle. • Know and apply organizational internal control components. • Use Generally Accepted Accounting Principles (GAAP) to record common business transactions involving merchandise inventory, cash, and accounts receivable transactions.
SEMESTER IV		
16	Core VI-Relational Database Management Systems	• To learn the importance of RDBMS in the present scenario. • To learn about RDBMS architecture,Data Models. • SQL to interact with database and advanced SQL,Trigggers • To learn the normalization, functional dependencies, schema,constraints. • To learn SQL, query processing, transaction Management etc.
17	Core VII- Operating Systems	Upon completion of this course, students will be able to: • Gain extensive knowledge on principles and modules of operating systems. • Understand key mechanisms in design of operating systems modules.

		• Understand process management, concurrent processes and threads, memory management, virtual memory concepts, deadlocks. • Compare performance of processor scheduling algorithms - produce algorithmic solutions to process synchronization problems.
18	Core VIII-Object oriented Programming with C++	Upon completion of this course, students will be able to: • Apply C++ features to program design and implementation. • Explain object-oriented concepts and describe how they are supported by C++ including identifying the features and peculiarities of the C++ programming language. • Use C++ to demonstrate practical experience in developing object-oriented solutions. • Design and implement programs using C++. • Analyze a problem description, design and build object-oriented software using good coding practices and techniques. • Implement an achievable practical application and analyze issues related to object-oriented techniques in the C++ programming language.
19	Practical IV-Programming in C++	• The purpose of the course is to provide students with an understanding of OOPS concept. • To learn how to optimize the solution using oops concept.
20	Allied II- Paper II: Cost and Management Accounting	• critically analyse and provide recommendations to improve the operations of organisations through the application of **management accounting** techniques; • demonstrate mastery of costing systems, **cost management** systems, budgeting systems and performance measurement systems.
21	Allied II Practical: Practical Lab – I	• To learn to how filling up invoice, receipts, vouchers and challan • Preparation of Application form for share allotment letter

		and share transfer forms • Using bin cards and inventors, cost sheet • Filling up of Income tax return and PAN
22	SBEC II: HTML and Java Script	• Hand coding HTML, CSS and JavaScript • Understand the structure of an HTML document, HTML elements and attributes • Understand CSS selector types. Write CSS style rules. Apply CSS rules to a document. • JavaScript programming concepts (variable, array, function, object, selection, repetition) • Program interaction with web pages by JavaScript
SEMESTER V		
23	Core IX-Web Technologies	Upon completion of this course, students will be able to: • Understand the various steps in designing Creative and dynamic website. • Basic Development Concepts in PHP • Controlling program flow • .Working with Arrays and Functions • Understand hierarchy of object oriented programming.
24	Core X-Problem solving techniques	• Identify needed information and/or eliminate extraneous information towards solving contextual problems • Recognize proportional relationships from verbal, graphical, symbolic or numerical scenarios • Use proportionality to solve and analyze a variety of multi-step contextual problems • Solve problems using algorithms or formulas • Solve problems involving percents, proportions, and unit conversions • Communicate methods of solutions and solutions to problems for the clarity of the receiver. • Clearly convey the solutions to problems

		• Use mathematical results to guide decision-making
25	Core XI-JAVA Programming	Upon completion of this course, students will be able to: • Understand the concept of OOP as well as the purpose and usage principles of inheritance, polymorphism, encapsulation and method overloading. • Identify classes, objects, members of a class and the relationships among them needed for a specific problem. • Create Java application programs using sound OOP practices (e.g., interfaces and APIs) and proper program structuring (e.g., by using access control identifiers, automatic documentation through comments, errors and exception handling). • Use testing and debugging tools to automatically discover errors of Java programs as well as use versioning tools for collaborative programming/editing. • Develop programs using the Java Collection API as well as the Java standard class library.
26	Elective – I: Computer Graphics	Upon completion of this course, students will be able to: • Understand the real graphics programming. • Overview of graphical system, raster and random scan system, input devices, line drawing and circle drawing algorithm • Tranformation in 2D and 3D. Other Tranformations are Reflection and Shearing, Clipping Operation • Viewing, Parallel and Perspective Projections • Visible surface detection methods
27	Practical V- Programming in Java	On completion of the course the student should be able to: • Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs. • Read and make elementary modifications to Java programs that solve real-world problems. • Validate input in a Java program.

		• Identify and fix defects and common security issues in code. • File Management concepts
28	SBEC III: Practical – Image Editing Tool	• Identify and specify file formats and image resolution for print and web • Gain proficiency using the selection tools (wand, marquee, lasso, quick selection) • Demonstrate proficiency with layers (naming, organizing sets, styles, adjustment layers) • Edit using retouching tools (healing brush, clone tool, patch tool) • Use and control the adjustments and filters to improve images • Align and merge images
29	SBEC IV: Multi skill Development	• To learn about communication • Basic knowledge of logical reasoning and critical reasoning • Basic knowledge of softskills • A mixture of knowledge, skills, abilities, attitudes and understanding that an individual will attain
SEMESTER VI		

30	Core XII- GUI Programming	• To learn advanced features of the visual programming.
		• To learn the characteristics of VB
		  • To learn the basic principles of Visual programming
		  • Working with Menus and MDI Forms.
		• To enhance problem solving and programming skills in visual programming.
		• Ability to understand the database file accessing.

31	Core XIII- Computer Networks	Upon completion of this course, students will be able to: • To learn the basic concepts and computer networks. • Learn about different layers and protocols present in those layers.

		• Learn to configure the network devices. • Learn about IP -Addressing. • Learn about Network Security.
32	Elective – II: Multimedia	• Form an idea • Create an ad that uses animation • Draw a hierarchy of information (flow chart) to show an interactive site • Import graphics and textures created on other applications into a multimedia software program • Create a movie using simple animation Create a web banner • Create an effective interactive site for use on the internet • Create sound file • Put a QuickTime movie into an interactive piece • Do simple scripting for a file
33	Elective – III: Mobile Computing	Upon completion of the subject, students will be able to: • Identify constraints, uncertainties and risk of the system (social, cultural, legislative, environmental, business etc. • Identify and apply relevant problem solving methodologies. • Design components, systems and/ or processes to meet required specification. • Demonstrate research skills. • Communicate effectively in ways appropriate to the discipline, audience and purpose. • Work as an effective member or leader of diverse teams within a multi-level, multi-disciplinary and multi-cultural setting.
34	Practical VI- Programming in VB	• The purpose of the course is to provide students with an understanding of Visual programming concepts programming concept.

		• To learn how to create front end design and how to connect into database.
35	SBEC V – Practical-Android Programming	• Knowledge about creating mobile applications
36	SBEC VI – Shell Programming	• To understand the some basic utilities of UNIX File • To compare UNIX shell and popular shell • To learn the basic components in constructing a Shell Script • The simple Quote and Tools of the trade • The for command

Department of Electronics and Communication
Course Outcome

PROGRAM SPECIFIC OUTCOME(B.SC):

After completion of the programme in B.sc electronics and communication students

Will be able to understand the importance of electronics in modern world. Also, they will know how

The lives of common people have changed drastically by the development in the field of electronics .

PROGRAM SPECIFIC OUTCOMES (M.SC):

After completion of the programme in M.sc electronics and communication students

Will have a idea about inseparable role played by electronics in the field of automation.also, they

Would have experienced hands on training in automation .they would also know about development in the field of nano electronics.

S.NO	B.SC(ELECTRONICS & COMMUNICATION)	COURSE OUTCOME
1	Semiconductor Devices	• Will know the basics of semiconductors. • Will understand operation of basic electronic devices. • Will be able to use the basic electronic devices such as diode, transistor etc., practically
2	Basic Electronics Lab	• Can understand characteristics of PN Junction diode and zener diode. • Can implement Adder and Subtractor circuits using logic gates. • Can design and RPS.
3	Applied Electric Circuits	• Will be able to analyse Circuit Components such as Resistors, Capacitors & Inductors. • Will be able to apply different theorems to simplify circuits.
4	Applied Digital Electronics	• Can understand the functioning of logic gates. • Can design and implement Combinational circuits. • Can solve logical circuits using Boolean rules and laws.
5	Power Electronics	• Will be able to understand theory & characteristics of SCR, DIAC, TRIAC and UJT. • Will acquire knowledge on methods of triggering AC circuits. • Will acquire knowledge about power supplies.
6	Electronic Circuits	• Can understand the functioning of feedback amplifiers. • Can understand the operation of LC &RC Oscillators, Wave Shaping circuits and multivibrators. • Will be able to understand the importance of filter circuits.
7	8085 Microprocessor	• Can write assembly language program for 8085 microprocessor based system. • Can be able to work with microprocessor for specific real world applications. • Can design I/O circuits and memory interfacing circuits
8	Electronics circuits lab	• Can design oscillator circuits. • Can design rectifier circuits and analyze its function. • Can design multivibrator circuits.
9	8085 Microprocessor and interfacing lab	• Can write an ALP for arithmetic operation. • Will be able to interface different I/O with processor. • Can generate Waveforms using microprocessor.

10	Electronic communication system	• Will understand about electromagnetic wave propagation. • Will gain knowledge on transmission & reception of analog signals. • Will gain knowledge about digital signal transmission.
11	ICs and their applications	• Will acquire knowledge about IC fabrication process • Will acquire knowledge about functional blocks and the applications of special IC's like timers ,operational amplifiers. • Can design circuits to generate waveforms using op-amp circuits
12	8051 microcontroller & interfacing	• Can write an assembly language program for 8051 microcontroller based systems • Will be able to work with microcontroller for a specific real world application • Can design I/O circuits & memory interfacing circuits
13	Satellite ,Cable &DTH systems	• Will understand about the functioning of satellite communication system. • Will be able to understand the functioning of DTH • Will be able to understand about cable TV system
14	Electronic Instrumentation	• Will understand the functioning of different sensors • Can solve circuits to find unknown values of resistance , capacitance & inductance. • Can understand the working of various measuring devices. •
15	Competitive Skills	• Can solve problems related to Verbal & Nonverbal reasoning. • Can solve Arithmetic problems. • Can face competitive examinations without fear.
16	Electronic Defense Systems	• Can understand the importance of electronics in defense of a country. • Will able to understand the defense operation performed by Armed forces.
17	IC's & Communication Lab	• Can design oscillators and amplifiers using operational amplifiers. • Can design filters using Op-amp and study its frequency response. • Can analyze the performance of amplitude modulation and pulse modulation systems.
18	PC Hardware Networking & Troubleshooting	• Will understand the basic structure of computers. • Will be able to acquire knowledge on motherboard, BIOS, peripherals and networking.

19	Network Communication & Security	• Will understand about multiplexing concepts. • Will understand about signal transmission. • Will understand about different network topologies & Protocols.
20	Project Viva voce	• Will be able to take up challenging practical problems and find solution by formulating proper methodology.
21	Audio & Video Systems	• Will be able to understand the functioning of microphones and loudspeakers. • Will acquire knowledge about stereophony & surround sound system. • Will know about safety precautions to be followed while handling audio and video equipments.
22	Life Development Skills	• Can prepare themselves to face interview. • Can develop communication skills. • Can develop telephone skills.
23	8051 Microcontroller and Interfacing Lab	• Can write an assembly language program for arithmetic operations. • Can interface different I/Os with microcontroller. • Can generate waveforms using microcontroller.
24	Biomedical Instrumentation	• Will gain knowledge about various types electrodes. • Can understand the working of different medical Instruments. • Will gain knowledge about electrical safety of medical Instruments.
25	Cellular Phones	• Can understand about GSM, CDMA, GPRS&UMTS. • Will familiarize about the working of telephone and cellular mobile telephone systems. • Able to gain knowledge about the operation of mobile service tools like Ultrasonic cleaner.
26	Electronics – I	• Will be able to analyze circuit components. • Will be able to analyze circuit laws.
27	Electronics – II	• Can understand the importance of digital electronics in the contemporary world. • Can design various combinational digital circuits using logic gates. • Can understand the functioning of various measuring devices.
28	NMEC - Basic Electronics	• Can understand the functioning of logic gates. • Can solve logical circuits using Boolean rules and laws.

S.NO	M.Sc (Electronics & Communication)	COURSE OUTCOME
1	Applied Electronics	• Will be able to understand basic electronic components • Can design & simplify digital circuits • Will acquire knowledge about A/D conversion & D/A conversion
2	Network and Java Programming	• Will acquire knowledge about networks • Will have idea about network protocols • Can understand java programming
3	Power Electronics	• Will acquire knowledge about Thyristor • Can understand Thyristors Commutation Techniques. • Will acquire knowledge about Choppers & Static switches.
4	IC'S Fabrication and its Applications	• Can understand and analyze IC Fabrication Process • Acquire knowledge about Timers, PLL circuits &Regulator Circuits. • Can design circuits using op – amp which generate different waveforms
5	Applied Electronics and Digital Electronics Lab	• will be able to design multiplexer, demultiplexer, encoder & decoder circuits. • Can design flip flop circuit. • Can construct regulated power supply circuits.
6	Power Electronics Lab	• Can understand firing characteristics of SCR And TRIAC • Can design commutation circuits. • Can design circuits to control speed of motors
7	Advanced Microprocessors and Interfacing	• Will understand about various Microprocessors available in the market • Can write program for 8085 & 8086 microprocessor in assembly language • Can design circuit to interface peripherals with microprocessor
8	Analog and Digital Communication System	• Can understand various analog and digital modulation systems. • Will acquire knowledge about wave propagation. • Will acquire knowledge on television standards.
9	Bio medical Instrumentation	• Will gain knowledge on various sensors & measuring devices • Will gain knowledge about modern imaging systems • Will know about the importance of biomedical instruments

10	Advanced Microprocessor and Interfacing Lab	• Will be able to write ALP for 8085 & 8086 Microprocessors • Can Write ALP to interface peripherals with microprocessor • Can construct machine codes for 8086 microprocessor
11	Analog and Digital Communication Lab	• Can design analog and pulse modulation circuits. • Can design analog & pulse demodulation circuits. • Can design AGC circuit
12	Human Rights	• will acquire the basic knowledge of human rights
13	Android Development Tools& Applications	• Can understand the basics of Android in mobile communication system • Will know about real time applications of android
14	Optical Fiber Communication	• Can understand about transmission of signal through optical fiber. • Will gain knowledge about various optical sources and optical detectors • Will gain knowledge about signal losses in fiber optic cable
15	Embedded System	• Will understand the difference between embedded system and microcontroller • Can write program for microcontrollers • Can understand about interfacing of peripheral devices with microcontroller
16	VLSI Design and VHDL Programming	• Will acquire knowledge about CMOS circuits • Can design circuits using VHDL
17	Embedded System Lab	• Can write ALP to perform arithmetic operations using microcontroller • Can write ALP to interface peripherals with microcontroller
18	Android & VLSI Lab	• Write HDL code for basic as well as advanced digital integrated circuit • Can develop mobile app to display Hello World • Can develop mobile applications to work as a calculator,
19	Thin film and	• Will familiarize about the science of Thin and Thick films

	NanoTechnology	technology. • Can understand the preparation process of nanomaterials • Will acquire knowledge in characteristics of nanomaterials.
20	Industrial Automation	• Will Understand about various electrical Components • Will be able to write ladder programming for real time applications
21	Modern Communication System	• Will Understand about continuous and discrete linear systems. • Will gain Knowledge on probabilities and random variables. • Can Understand block and convolutional codes.
22	Programmable Logic Control Lab	• Can write ladder program to control lights using switches • Can write ladder program to control the speed of a DC motor
23	Core Project	will be able to take up any challenging practical problems and find solution by formulating proper methodology.

Government Arts and Science College for Women, Barugur
Department of Nutrition and Dietetics
B. Sc Nutrition and Dietetics

Program outcome

Nutrition plays a special role in national development and this program aims to develop a holistic and multidimensional understanding of the various topics.

Program specific outcome

- ❖ Enrich the minds of the students with the finer points of nutrition.
- ❖ Encouraging the students to develop scientific temper
- ❖ Training the students to take up leadership roles in extension and community outreach programs.
- ❖ Familiarizing the students with the use of newer technologies and sustainable use of resources for human development.

B. Sc Nutrition and Dietetics
Course Outcomes

S.No	Subject	Course outcome
	Semester -I	
1	Human Physiology	The students will be able to summarize the structure of human systems and integrate their functions with human nutrition.
	Semester-II	
2.	Food Science	The students able to understand the scientific principles underlying food preparation with conversation of nutrients.
	Semester-III	
3.	Nutritional Biochemistry	The students will be able to develop an understanding of the principles of biochemistry and apply the knowledge to human nutrition.
4.	**SBEC-I** Food Processing	The students will be able to acquire knowledge about various food processing methods used in the food industry.
	Semester-IV	
5.	Principles of human Nutrition	The students will be able to gain knowledge of the different nutrients and their role in maintaining health of the community and develop skills in qualitative analysis and quantitative estimation of nutrients.
6.	**SBEC-II** Food Packaging Food Chemistry	The students will be able to acquire knowledge about various packaging methods used in the market. The students will be able to acquire knowledge about the chemistry of nutrients present in the food and apply it.
	Semester –V	
7.	Nutrition in life cycle	The students will be able to understand the physiology of pregnancy and lactation, process of growth and development from birth until old age.
8.	Dietetics and counseling	The students will be able to know the principles of diet for therapeutic purpose

9.	**Elective course -I** 1.Quantity food service and physical facilities 2.Nutraceuticals	The students will be able to acquire the knowledge of various facts of functioning of food service institutions The students will be able to illustrate the benefits of using nutraceutical prioritize the inclusion of nutraceuticals in menu planning.
10.	**Elective Course –II** 1. Food Product development and quality control 2.Nutrition for fitness and sports	The students will be able to develop new food products, acquire food quality control techniques. The students will be able to understand the nutritional needs of athletes and the acquired knowledge for planning diet for athletes.
11.	**SBEC-III** Bakery science	The students will be able to understand the principles of baking and baking techniques.
Semester- VI		
12.	Food Microbiology	The students will be able to understand the role of microorganism in environment and apply preservation techniques.
13.	Advanced dietetics	The students will be able to understand the metabolic changes occurring in diseases and plan nutritional care for patients.
14.	**SBEC-IV** Sanitation and hygiene in food industries Food biotechnology	The student will be able to identify the sources of food contamination, maintain a sanitary environment in food industries. The students will be able to understand the role of biotechnology in the field of food.
15.	**SBEC-V** Entrepreneurship	The students will be able to understand how to become an

	development Public health nutrition	entrepreneur and develop in their own field. The students will be able to understand the role of communication in educating the public nutrition, take part in programs targeted to improve the nutritional status of the public.
16.	**Elective paper –III** Institutional project	Gain hands on training in the working environment of a hospital or food processing institution.

Government Arts and Science College for Women, Barugur
Department of Nutrition and Dietetics
M.Sc Food and Nutrition
Course Outcomes

S.No	Subject	Course outcome
1	Food Science-I	The students will understand the composition and nutritive value of cereals, pulses, milk and milk products, understand the changes that taking place in cereals and other food groups on cooking.
2.	Nutrition through life cycle	Nutrition through life cycle – The students will understand the computation of allowance, and the importance of nutrition during life span
3.	Physiological aspects of nutrition	Advance the students understanding of some topics of human physiology relevant to nutrition and grounding of nutritional science in physiology.
4.	Food processing	Imbibe systemic knowledge of basic and applied aspects in food processing technology for consistent quality parameters.
5.	Research Methodology	Develops on understanding of the research methods applied in the field of nutrition and application of statistical calculations
6.	Food science-II	Students will have knowledge about nutritive value of animal foods

		vegetables, fruits, fats, nuts and oilseeds and the change that take place in these foods during cooking
7.	Macro nutrients	Students will gain knowledge about the structure and functions of macro algae nutrients in human body and effect of their deficiency and excess on human body.
8.	Micro nutrients	Students will gain knowledge about the structure and functions of micronutrient in human body and the effect of their deficiency and excess on human body
9.	Medical Nutrition therapy –II	Students are updated on recent advances in Medical Nutrition Therapy for various disease, gain skills in nutritional assessment ,planning and providing suitable therapeutic diets to various diseases.
10	Community nutrition	Students are updated on the recent advanced in policies, nutrition monitoring and education methods
11.	Food biotechnology	Gain knowledge on recent advances in the application of genetic engineering in food and application of neon biotechnology in food industry.
12.	Internships	Students gain hands on training in a food industry or hospital on health centers.
13	**Elective -III** Food preservation	The students will be able to acquire knowledge about various food preservation and processing methods used in the food industry.
14.	**Elective –IV** Nutraceuticals	The students will be able to illustrate the benefits of using nutraceutical prioritize the inclusion of nutraceuticals in preventing the degenerative diseases.

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN, BARGUR

DEPARTMENT OF COMMERCE

Under Graduate Programme

B.COM & B.COM (CS), B.COM (A&F)

1. Students will acquire a functional knowledge of the understanding principles and recent emerging trends of the media industry.
2. Students will be able to have the basics knowledge on the pertinent concept, theory of the programme.
3. Skills reqsuired to the successful entrepreneur have been embedded in the programme to make the students become entrepreneurs.
4. Internship and practical exposure will make the students know and understand the practical nuances in the business and industrial practices

Post Graduate Programme: (M.COM)

1. This programme has been designed to develop critical, analytical cognitive skills among the students.
2. The concepts, process and the requirements for starting up and carrying on a business or a profession are incorporated in the courses to develop entrepreneurial qualities among the students

2017-2018 Onwards

SL.NO	B.COM	PROGRAMME OUTCOME
	SEMESTER –I	
1.	Principles of Accountancy	• To enable the students to learn principles and concepts of Accountancy • To enable the students to prepare Final Accounts for Sole Traders and companies • To know the basic concepts of commercial bills. • To understand the students to prepare concepts of Reserves and Provisions

		• In overall students can acquire conceptual knowledge of the financial accounting and to provide knowledge about the techniques for preparing accounts in different business organizations.
2.	Business Communication	• To impart knowledge about different types of business firms. • To find out layout and location of an industry • To know about social responsibilities of corporate • To know about functions of management. • To understand about Concept and Styles of leadership and Motivation.
3.	ALLIED COURSE: I Business Economics	• To know about basics of Economics • To understand the concept of demand and supply. • To know the factors of production and economies of large scale production • To understand the concept of pricing under and Monopolistic competition various market conditions. • To learn new fiscal policy of the Government
SEMESTER-II		
	Financial Accounting	• To help students gain knowledge about branch accounts and departmental accounts • To impart knowledge of handling hire purchase accounts and royalty accounts. • To transform knowledge about partnership firms and accounting methods • To enable students handle settlement among • To impart skills about evaluating insurance claims
	Business Management	• To impart knowledge about different types of business firms. • To find out layout and location of an industry • To know about social responsibility of corporate. • To know about functions of management.

		• To understand about concept and styles of leadership and motivations.
	ALLIED COURSE: Indian Economy	• To know about basics of Economics • To understand the concept of demand and supply. • To know the factors of production and economies of large scale production • To understand the concept of pricing under and Monopolistic competition various market conditions. • To learn new fiscal policy of the Government
	SEMESTER-III	
	Business Law	• To gain expert knowledge in the principles and practice of law relating to Business activities • To have the basic knowledge of law governing contracts • To know law relating to agency business • To gain knowledge about different aspects of sale of goods act
	Corporate Accounting-I	• To know the accounting procedure for company • To know the mobilization of funds through various sources • To know the accounting system of holding absorption, internal and external reconstruction • To know the final account format and knowledge of banking and insurance companies
	Banking Theory Law & Practice	• To impart the knowledge about banking concepts • To know about the various functions and its whole of central bank and commercial bank • To gain knowledge relating to E-Banking
	ALLIED COURSE: Business Statistical Methods	• To understand the concept of statistics • To understand measures of dispersion and

		central tendency • To learn correlation and Regression • To get knowledge about probability
	SEMESTER-IV	
	Company Law	• To transform knowledge about company law • To get full knowledge about importance in a company. • To impart knowledge about shareholders and members of a company as per law
	Corporate Accounting-II	• To know the accounting procedure for company • To know the mobilization of funds through various sources • To know the accounting system of holding absorption, internal and external reconstruction • To know the final account format and knowledge of banking and insurance companies
	Principles of Marketing	• To impart the knowledge about modern marketing concepts. • To know about various marketing about how to introduce a new product
	ALLIED COURSE: Business Statistical Decision Techniques	• To understand the concept of statistics • To understand measures of central tendency of dispersion. • To learn correlation and regression • To understand time series analysis • To get knowledge about probability
	SEMESTER –V	
	Cost Accounting	• To know the uses, methods and importance of cost accounting.

		• To know the material purchase procedures • To know the various methods of labour • To know the collection and allocation of overheads
	Auditing	• To understand the principles and practice of auditing • To know the procedures of vouching • To know the assessment of assets and liabilities • To be aware about the qualifications, duties and responsibilities of auditors • To understand the knowledge about audit of computerized accounting
	Income Tax Law and Practice-I	• To understand the concepts of income tax.. • To describe how to arrive taxable income from salary. • To find out the taxable income from house property. • To calculate the taxable income from business and profession. • To ascertain the capital gains and income from other sources
	Information Technology in Business	• To make the student understand the computers both theory and in practical. • To enable the students to acquire knowledge in computer and its languages. • To enable the students to learn operating system. • To understand to create word documents, mail merge. • To educate the practical knowledge on MS- Excel. • To understand how to prepare power points slides
	SEMESTER-VI	

	Management Accounting	• To understand the concepts of management Accounting. • To gain knowledge on new format of fund flow and cash flow in business operation. • To understand budget and budgetary control in business organization . • To know the techniques of managerial costing of capital budgeting.
	Entrepreneurial Development	• Students know how to become a entrepreneur. • To impart knowledge about problems faced by women rural entrepreneurial. • To understand the various entrepreneur development programme. • To get the knowledge about how to get financial assistant from various financial institutions.
	Income Tax Law and Practice-II	• To understand the concepts of income tax.. • To describe how to arrive taxable income from salary. • To find out the taxable income from house property. • To calculate the taxable income from business and profession. • To ascertain the capital gains and income from other sources
	Commerce Practical	• Students get the practical knowledge about how to fill the various form like LIC, SBI Challen, DD ect., • Students how to knowledge prepare invoice, receipts, vouchers and DD form.

GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN, BARGUR

DEPARTMENT OF COMMERCE

2017-2018 Onwards

SL.NO	B.COM(CS)	PROGRAMME OUTCOME
	SEMESTER –I	
1.	Financial Accounting-I	

		• To help students gain knowledge about branch accounts and departmental accounts • To impart knowledge of handling hire purchase accounts and royalty accounts. • To transform knowledge about partnership firms and accounting methods • To enable students handle settlement among • To impart skills about evaluating insurance claims.
2.	Business Management	• To impart knowledge about evolution of management though by different experts. • To know about how is plan, and decide about policies, programmes ettc., • To understand how is organize the different types of organization. • To understand about concept and styles of creation, motivation, communication and leadership. • To impart knowledge about co-ordination and control.
3.	ALLIED COURSE: I Managerial Economics	• To know concepts and importance of managerial economics. • To transform knowledge about production law. • To help the students to frame the capital budget based on various techniques • To get the knowledge about macro economy. • To impart knowledge about economic policy of India.
SEMESTER-II		
	Financial Accounting -II	• To help students gain knowledge about branch accounts and departmental accounts • To impart knowledge of handling hire purchase accounts and royalty accounts. • To transform knowledge about partnership firms and accounting methods • To enable students handle settlement among • To impart skills about evaluating insurance claims

	Office Management	• To impart knowledge about different types of business firms. • To find out layout and location of an industry • To know about social responsibility of corporate. • To know about functions of management. • To understand about concept and styles of leadership and motivations.
	ALLIED COURSE: Marketing	• To impart the knowledge about modern marketing concepts. • To know about various marketing about how to introduce a new product
	SEMESTER-III	
	Company Law-I	• To transform knowledge about company law • To get full knowledge about importance in a company. • To impart knowledge about shareholders and members of a company as per law
	Corporate Accounting-I	• To know the accounting procedure for company • To know the mobilization of funds through various sources • To know the accounting system of holding absorption, internal and external reconstruction • To know the final account format and knowledge of banking and insurance companies
	Commercial Law	• To gain expert knowledge in the principles and practice of law relating to Business activities • To have the basic knowledge of law governing contracts • To know law relating to agency business • To gain knowledge about different aspects

		of sale of goods act
	ALLIED COURSE: Business Statistical Methods	• To understand the concept of statistics • To understand measures of central tendency of dispersion. • To learn correlation and regression • To understand time series analysis • To get knowledge about probability
	SEMESTER-IV	
	Company Law-II	• To transform knowledge about company law • To get full knowledge about importance in a company. • To impart knowledge about shareholders and members of a company as per law
	Corporate Accounting-II	• To know the accounting procedure for company • To know the mobilization of funds through various sources • To know the accounting system of holding absorption, internal and external reconstruction • To know the final account format and knowledge of banking and insurance companies
	Industrial Law	• To transform knowledge about factories Act. • To transform knowledge about industrial dispute act. • To transform knowledge about women's compensation act. • To transform knowledge about trade union act. • To transform knowledge about the payment of wages act.
	ALLIED COURSE: Business Statistical Decision Techniques	• To understand the concept of statistics • To understand measures of central

		tendency of dispersion. • To learn correlation and regression • To understand time series analysis • To get knowledge about probability
	Accounting using Tally	• To enable the students to acquire knowledge in computers. • To know the fundamental of computerized Accounting. • To understand about the vouchers entries. • To handle inventories and cost. • To enable the students entries to prepare final accounts, vouchers'.
	SEMESTER –V	
	Secretarial Practice--I	• Students get the knowledge about company secretary's rights and duties for registration. • To know the knowledge about commencement of business. • To know the various concepts of company terms like share certificate, share warrants. • To know the functions of SEBI.
	Cost Accounting	• To know the uses, methods and importance of cost accounting. • To know the material purchase procedures • To know the various methods of labour • To know the collection and allocation of overheads
	Financial Management	• To understand the concepts of financial management. • To learn about the capital structure, leverage and Dividend policy. • To acquire knowledge about the working capital management. • To know the receivable and inventory management.
	Income Tax Law and Practice-I	• To understand the concepts of income tax.. • To describe how to arrive taxable income from salary.

		• To find out the taxable income from house property. • To calculate the taxable income from business and profession. • To ascertain the capital gains and income from other sources
	Computer application in business	• To make the student understand the computers both theory and in practical. • To enable the students to acquire knowledge in computer and its languages. • To enable the students to learn operating system. • To understand to create word documents, mail merge. • To educate the practical knowledge on MS- Excel. • To understand how to prepare power points slides.
	SEMESTER-VI	
	Secretarial Practice-II	• Students get the knowledge about company secretary's rights and duties for registration. • To know the knowledge about commencement of business. • To know the various concepts of company terms like share certificate, share warrants. • To know the functions of SEBI.
	Management Accounting	• To understand the concepts of management Accounting. • To gain knowledge on new format of fund flow and cash flow in business operation. • To understand budget and budgetary control in business organization . • To know the techniques of managerial costing of capital budgeting.
	Income Tax Law and Practice-II	• To understand the concepts of income tax.. • To describe how to arrive taxable income from salary. • To find out the taxable income from house property. • To calculate the taxable income from

		business and profession. • To ascertain the capital gains and income from other sources
	Computer Application in Office	• To know the basic and types of operating system. • To gain the basic knowledge about 'C' programming. • To know the 'C' programming functions like that IF STATEMENTT, ELSE STATEMENT ,FOR STATEMENT

B.Com (ACCOUNTING AND FINANCE)

2017-2018 Onwards

Course Outcomes

SL.NO	B.COM(A/F)	PROGRAMME OUTCOME
	SEMESTER –I	
1.	CORE I - Principles of Accountancy	• To enable the students to learn principles and concepts of Accountancy • To enable the students to prepare Final Accounts for Sole Traders and companies • To know the basic concepts of commercial bills. • To understand the students to prepare concepts of Reserves and Provisions • In overall students can acquire conceptual knowledge of the financial accounting and to provide knowledge about the techniques for preparing accounts in different business organizations.
2.	CORE II - Business Communication	• Make effective presentations and showcase mastery in communication • Achieve excellence in both personal and professional life • Prepare their own resume and understand the importance of preparing resume • To impart knowledge about different types of business firms.. • To understand about Concept and Styles of leadership and Motivation.
3.	ALLIED I - Business Economics	• To know about basics of Economics • To understand the concept of demand and supply. • To know the factors of production and

		economies of large scale production • To understand the concept of pricing under and Monopolistic competition various market conditions. • To learn new fiscal policy of the Government
4	Value Education	• To know the essential values necessary for personal values necessary for personal and social life. • Be through about the purpose of life and moral concerns necessary for the society. • Have got empowered about the values of working life in themselves • Be strengthened by learning ethical values necessary for their life themselves. • Be thoroughly clear about the inner values of their life
SEMESTER-II		
5	CORE III - Financial Accounting	• Write up consignment and Joint Venture account. • Make accounts to claim loss from the risk insured against. • Applying the knowledge in Hire purchase and Installment areas. • To help students gain knowledge about branch accounts and departmental accounts • .To transform knowledge about partnership firms and accounting methods • To enable students handle settlement among
6	CORE IV - Banking theory Law and Practice	• Understand the fundamental concepts of banking • Recall the role of commercial banks in Economic Development. Understand the applicability of various types of policies
7	ALLIED II - Indian Economy	• To know about basics of Economics • To understand the concept of recent trend in national income • To know the factors of production and economies of large scale production • To understand the concept of planning

		under and Balance of Payments . • To learn new fiscal policy of the Government
8	Environmental Studies	• Analyse the environment of business from the legal and regulatory, Macro economic, cultural, political and technological environment • Apply various strategic tools to assess performance of business environment • Critically make an in-depth analysis of each component of Business Environment so that a comparison with own organization is feasible. • understand the factors affecting the organizational effectiveness
	SEMESTER-III	
9	CORE V - Business Law	• To gain expert knowledge in the principles and practice of law relating to Business activities • To have the basic knowledge of law governing contracts • To know law relating to agency business • To gain knowledge about different aspects of sale of goods act
10	CORE VI - Corporate Accounting - I	• Account for issue of shares and debentures. Prepare accounts necessary to give effect to redemption of shares and Debentures. • Make up Final accounts. • Prepare liquidation account. • Applying corporate accounting knowledge in practice. • To know the accounting procedure for company • To know the mobilization of funds through various sources
11	CORE VII - Indian Financial Services	• Understand the range of financial service products in financial market. • Know the implications of Lease, Hire purchase and Mutual fund products. • Comprehend the methods of venture capital financing.

		• Understand the modalities of Factoring Mechanism. Apply knowledge in utilizing financial services.
12	ALLIED III -Business Statistical Methods	• Learn the method of Data collection, classification and Presentation. Analysis of Univariate data CO3: Conduct Bivariate analysis of data. • To understand the concept of statistics • To understand measures of dispersion and central tendency • To learn correlation and Regression • To get knowledge about probability
13	SBEC - I - Capital Market	• Understand the conceptual frame work of security valuation and analysis • Analyze and apply various approaches to security analysis • Gain the knowledge about the portfolio theory : Familiarize with the applications of portfolio theory for analysis • Understand the risk adjusted measures of performance evaluation
14	SBEC - II - Business Management	• Grasp the functions of management and the process of evolution of modern management concept. • Appreciate the nifty gristly of performing each and every function of management. • Install communication system relevant to the structure of organization. • Adopt appropriate style of leadership suited to environment prevailing in the organization and apply appropriate motivational techniques • Understanding and applying motivation techniques.
15	NMEC - I - Marketing	• Grasp the overview of marketing and modern marketing concept • Apply segmentation strategies in practice.: Apply product, pricing and promotional strategies in practice. • Comprehend the behavior of consumers and accordingly frame marketing strategies.

		• Applying marketing knowledge in practice.
	SEMESTER-IV	
16	CORE VIII - Company Law	• Promote company and prepare basic documents and arrange to register it. • Learn to apply the concept of administration in practice when holding various top positions in Corporate • Arrange for meetings and prepare document during and after the meetings and facilitate conducting polls of various types. • Apply the concept of winding up when the occasion arises to wind up the company
17	CORE IX - Corporate Accounting - II	• To know the accounting procedure for company • To know the mobilization of funds through various sources • To know the accounting system of holding absorption, internal and external reconstruction • To know the final account format and knowledge of banking and insurance companies
18	CORE X - Tally Practical	• Be acquainted with every aspects of computer. • Be knowledgeable about tally using of accounts languages, Virus vaccinating. • Install tally in the facility. • Apply all accounting entries in tally • Applying accounting software operation knowledge in practice.
19	ALLIED IV - Business Statistical Decision Techniques	• To understand the concept of statistics • To understand measures of central tendency of dispersion. • To learn correlation and regression • To understand time series analysis • To get knowledge about probability

20	SBEC - III - Project Methodology	• Describe the objectives and types of research • Construct good research design. • Understand the significance and process of Business research • : Have an insight into the sampling techniques and develop sampling plan • Analyze and interpret the data and write the research report.
21	SBEC - IV - Funds Management	• Analyse and interpret the results derived by applying ratio analysis, trend percentage, comparative statement and soon. • Prepare funds flow and Cash flow statements to determine the adequacy of working capital and cash to carry on operating of business. • Apply marginal costing technique to arrive at various managerial decisions • Evolve budgetary control in the enterprise and control the operations through it. • Apply management accounting techniques in practice
22	NMEC - II - Human Resource Management	• Comprehend the fundamentals of Human Resource Management ‘ • Compute job analysis report and be able to develop job description and job specification. • Describe the various motivational applications in practice • Explain performance appraisal techniques and able to prepare performance appraisal forms • Develop human resource audit plan and conduct HR audit
	SEMESTER –V	
23	CORE XI - Cost Accounting	• To know the uses, methods and importance of cost accounting. • To know the material purchase procedures • To know the various methods of labour • To know the collection and allocation of overheads

24	CORE XII - Auditing	• To understand the principles and practice of auditing • To know the procedures of vouching • To know the assessment of assets and liabilities • To be aware about the qualifications, duties and responsibilities of auditors • To understand the knowledge about audit of computerized accounting
25	CORE XIII - Income Tax Law and Practice-I	• To understand the concepts of income tax.. • To describe how to arrive taxable income from salary. • To find out the taxable income from house property. • To calculate the taxable income from business and profession. • To ascertain the capital gains and income from other sources
26	CORE XIV - Financial Control System	• Perceive skills on data analytics and its application • Gain expert knowledge in data integration technology Analyze different types of digital data, use of appropriate models for analysis and derive insights from results • Equip with key analytical tools and techniques of business intelligence
	Elective – I	
	SEMESTER-VI	
27	CORE XV - Management Accounting	• To understand the concepts of management Accounting. • To gain knowledge on new format of fund flow and cash flow in business operation. • To understand budget and budgetary control in business organization. • To know the techniques of managerial costing of capital budgeting.

28	CORE XVI - Financial Management	• Gain expert knowledge on calculating various techniques of capital budgeting. • Generate and manage funds while undertaking any business venture. • Gain expert knowledge in dividend decisions. • Understand the computations and techniques of working capital
39	CORE XVII - Income Tax Law and Practice-II	• Understand the concept of income • Compute the total income of various kinds of assesses Understand the clubbing of income and carry forward of losses Determine the tax liability under different heads of income • Familiarize with filing of return on different kinds of assesses • To calculate the taxable income from business and profession. • To ascertain the capital gains and income from other sources
30	CORE XVIII - Commerce Practical	• To provide practical knowledge to fill forms like insurance Gain practical knowledge on institutional / industrial operations • To understand bank, loan application, membership form, income tax return forms • Integrate the theoretical knowledge with practical knowledge

M.Com

2017-2018 Onwards

Course Outcomes

SL.NO	M.Com	PROGRAMME OUTCOME
	SEMESTER –I	
1.	CORE I - Marketing management	• Grasp the overview of marketing and modern marketing concept. • Apply segmentation strategies in practice. Apply product, pricing and promotional

		strategies in practice. • Comprehend the behavior of consumers and accordingly frame marketing strategies. • Applying marketing knowledge in practice..
2.	CORE II - Accounting for Managerial Decision	• Understand the basics of management accounting • Gain knowledge on application of various tools in analyzing financial Statements • Appreciate the implications of funds flow and cash flow statements • Apply decision making accounting in a given situation of business • Familiarize with preparation of budgets and application of variance analysis.
3.	Core III-Financial Management	• Appraise the basic components of financial management • Gain expert knowledge on calculating various techniques of capital budgeting • Generate and manage funds while undertaking any business venture. • Gain expert knowledge in dividend decisions. • Understand the computations and techniques of working capital
4	Core IV –Modern Banking	• Comprehend the various features in general and special relationship between banker and customer. • Understand the various types of deposits and lending money facilities and procedure

		to open an account. • Learn to handle negotiable instrument and their legal implications • Grasp the legal consequences of material alteration, negligence of banker and understand the Payment in due course. • Appreciate the role of bankers in regards to banking services
5	Elective I-Organizational Behaviour	• Appreciate the implication of Organizational Behaviour in an organization. • Compare the strength and limitations of different organizational structure. • Solve the different forms of conflicts and assume different leadership styles. • Recall the significance of quality of work life and organizational changes. • Recognize the factors affecting the organizational behaviour of employee.
SEMESTER-II		
6	CORE V- Advanced Cost Accounting	• Apply the cost concept in practice and prepare cost sheet. • Put in place inventory control measures in business enterprise. • Allocate the overhead in order to find out cost of product / Service. • Apply the methods of costing in practice. • Applying costing knowledge in decision making practice

7	CORE-VI investment Analysis and Portfolio Management	• Understand the conceptual frame work of security valuation and analysis ‘ • Analyze and apply various approaches to security analysis • Gain the knowledge about the fundamental analysis and technical analysis. • Familiarize with the application of portfolio theory for analysis • Understand the risk adjusted measures of performance evaluation
8	CORE VII - Advanced Business Statistics	• Learn the method of Data collection, classification and Presentation. • Analysis of Univariate data • Conduct Bivariate analysis of data. • Analyse Time-series data and construct Index numbers. • Applying statistical package (SPSS) in business decision
9	Core VIII E-Commerce	• Handle information effectively and efficiently for decision making purpose. • : Apply the knowledge to integrate the process of HR, Supply Chain Manufacturing by virtue of information system. • Arrive at strategic decisions using communication technology. • Understand the EDI-FIP • Utilize e-commerce by practices to exchange and interchanges data and make

		online payments.
10	Elective II Financial Markets and Institutions	• Explain the concept and features of financial services • Gain knowledge on segmentation strategy of UTI, Leasing , Non Banking company • Understand the venture capital • Explain price and promotion strategy and protection of corporate image. • Describe the FEMA and foreign capital markets.
	SEMESTER-III	
11	CORE IX - Research Methodology	• Describe the objectives and types of research • Construct good research design. • Understand the significance and process of Business research • Have an insight into the sampling techniques and develop sampling plan • Analyze and interpret the data and write the research report.
12	CORE X - Advanced Corporate Accounting	• Account for issue of shares and debentures. Prepare accounts necessary to give effect to redemption of shares and Debentures. • Make up Final accounts. • Prepare liquidation account. • Applying corporate accounting knowledge in practice. • To know the accounting procedure for

		company • To know the mobilization of funds through various sources
13	CORE XI - Human Resource Management	• Comprehend the fundamentals of Human Resource Management • Compute job analysis report and be able to develop job description and job specification. • Describe the various motivational applications in practice • Explain performance appraisal techniques and able to prepare performance appraisal forms • Develop human resource audit plan and conduct HR audit.
14	CORE XII-Income Tax and Tax Planning	• Understand the concept of income • Compute the total income of various kinds of assesses • Understand the clubbing of income and carry forward of losses • Determine the tax liability under different heads of income • Familiarize with filing of return on different kinds of assesses
15	Elective III-Retail Marketing	• Grasp the overview of marketing and retail marketing concept • Apply segmentation strategies in practice. Apply product, pricing and promotional

		strategies in practice of retail market. • Comprehend the behavior of consumers and accordingly frame retail marketing strategies. • Applying retail marketing knowledge in practice
	SEMESTER-IV	
16	Core XIII-Indirect Taxes	• Gain exposure on corporate tax planning • Comprehend with tax issues and tax payment • Expertise in the corporate tax planning and its applications • Handle the issues relating to business and corporate • Familiarize the payment of tax, e-filling and handling the cases
17	Core XIV -Services Marketing	• Recognize the changing dimensions of Services marketing. • Understand the forces behind the Services marketing • Recognize the significance of Services marketing mix • Discriminate various models of Services marketing • Understand the significance of Services advertising
18	Core XV -Project Work :Project	• To identify the research area. • Understand the working procedure of Business institutions on democratic basis

		• Understand the research problems. • Framework on research project. • Recommend suggestions to consumer performance of Business.
19	ALLIED IV - Strategic Management	• To understand the concept of strategic mgt • Understand the conceptual frame work of business in Strategic • Formulate strategies in relation to business performance measurement • Appreciate the importance of text and web mining data • Analyze and apply various business intelligence methods • Tackle the issues in business intelligence