

## PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES, COURSE OUTCOMES

### BACHELOR OF COMMERCE (BCOM)

Program Outcome	The students will be ready for employment in functional areas like accounting, taxation, banking, insurance and corporate law. An attitude for working effectively and efficiently in a business environment. Learners will gain knowledge of various disciplines of commerce, business, accounting, economics, and finance, auditing and marketing.
Program Specific Outcome	Students also acquire skills to work as tax consultant, audit assistant and other financial supporting services. Students have choices to pursue professional courses such as CA, M.COM, MBA, CMA, ICWA, CS, etc Students are able to play roles of businessmen, entrepreneur, managers, consultant, which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making.
<b>Course: BCOM General</b>	<b>Outcomes</b>
Financial accounting	On successful completion of this course the student are enabled with the Knowledge in the practical applications of accounting, learn principles and concepts of Accountancy, basic concepts of Partnership Accounting, company accounts etc.
Principles of management	Knowledge about evolution of management thoughts, planning and decision making, organization structure and different types of organization, recruitment process, importance of communication and Principles of coordination, Theories of Motivation
Modern banking	Gather knowledge on banking and financial system in India, commercial banks and its products, familiarize banking system in India, Awareness about modern banking services like e-banking, m-banking and internet banking knowledge of the functioning of banks.
Cost and management accounting	Familiarize the concept of cost accounting preparation of cost sheet, material control, concept of overhead cost and systems of costing
Business economics	Students gain knowledge of Economic and business environment, Demand Analysis, Supply Analysis, and theories of economics, able to different costing systems in practical scenario
Money & public finance	Aiming to enable the students to get the Knowledge of public finance, deficit financing, public debt and government budget
International trade and finance	It enable the students to understand the theories of Foreign trade in a wide aspects, idea regarding Balance of trade and Payment
Financial management	Create an interest in investment, familiarize the concept of lease financing venture Capital and Mutual Fund
Business statistics and	students acquire new skills on the application of statistical tools

mathematics	and techniques in Business decision-making, Popular Quantitative Tools used in Business, practical exposure on calculation of measures of average, correlation and regression
Business law	Knowledge of basic provisions regarding legal frame work governing the business
Indian corporate law	Knowledge of basic provisions regarding legal frame work governing the Indian corporate.
Human Resources Management	Students are able to know about planning, placement and training, significance of performance appraisal and methods of Compensation
Business taxation	Students will be well equipped with limbs of tax law, types of deductions, computation of taxable income, to file income tax returns etc
GST	To develop an understanding of basics of GST provisions and build ability to analyze it.
Modern marketing	Gain idea about marketing and its functions, consumer behavior, product and its classifications, pricing policies
Auditing	To develop an understanding of audit concept.
<b>COURSE: COMPUTER APPLICATION(VOCATIONAL)</b>	<b>OUTCOMES</b>
Financial accounting	On successful completion of this course the student are enabled with the Knowledge in the practical applications of accounting, learn principles and concepts of Accountancy, basic concepts of Partnership Accounting, company accounts etc.
Business statistics and mathematics	students acquire new skills on the application of statistical tools and techniques in Business decision-making, Popular Quantitative Tools used in Business, practical exposure on calculation of measures of average, correlation and regression
International trade and finance	It enable the students to understand the theories of Foreign trade in a wide aspects, idea regarding Balance of trade and Payment
Financial management	awareness about capital structure and theories of capital structure, cost of capital in wide aspects, dividend policies and various dividend models, working capital management
Computer fundamentals & office automation	Awareness of basics of computer
Object oriented programming using C++	To inculcate knowledge on Object-oriented programming concepts using C++
Database concepts & oracle	To inculcate knowledge on RDBMS concepts and Programming with Oracle.
Java programming	To inculcate knowledge on Java Programming concepts
VB NET programming	To enable students to create a software package using VB
Software engineering	To introduce software project management and to describe its distinctive characteristics and to discuss project planning and the

	planning process and show how graphical schedule representations are used by project management and the risk management process
Programming in C	On successful completion of this subject the students have the programming ability in C Language
Operating system & Linux	This course will prepare students to develop software in and for Linux environments
Multimedia & DTP	Knowledge of DTP
Web design	Get practical experience of web designing
Entrepreneurship development	Enable students to understand project formulation, Entrepreneurship development, awareness on various Entrepreneurship Development Programme, EDP schemes, knowledge of entrepreneurial skills and to make the students understand the approaches to attain the goals of the business
Modern marketing	Gain idea about marketing and its functions, consumer behavior, product and its classifications, pricing policies
Auditing	To develop an understanding of audit concept
<b>COURSE: BCOM TAX PROCEDURE (VOCATIONAL)</b>	<b>OUTCOMES</b>
Financial accounting	On successful completion of this course the student are enabled with the Knowledge in the practical applications of accounting, learn principles and concepts of Accountancy, basic concepts of Partnership Accounting, company accounts etc.
Business statistics and mathematics	students acquire new skills on the application of statistical tools and techniques in Business decision-making, Popular Quantitative Tools used in Business, practical exposure on calculation of measures of average, correlation and regression
Cost and management accounting	Familiarize the concept of cost accounting, preparation of cost sheet, material control, concept of overhead cost
Income tax law	Enabling the students to have depth of income tax law with regard to set-off and carry forward of losses, capital gain among students, concept of income from other source, assessment of individual income, compute the total income and tax liability of individual assesses and firms, expertise to file return of income tax and to take up job in filing of tax.
Central excise duty	Acquire knowledge of different types of central excise duty
Customs duty	Gain knowledge of customs duty
GST	Develop an understanding of concept of GST
EDP	Enable students to understand project formulation, Entrepreneurship development, awareness on various Entrepreneurship Development Programme, EDP schemes, knowledge of entrepreneurial skills and to make the students understand the approaches to attain the goals of the business
Business law	Knowledge of basic provisions regarding legal frame work governing the business
Indian corporate law	Knowledge of basic provisions regarding legal frame work governing the corporate

Financial management	Get idea about investments and its various alternatives, Shares and Debentures, awareness regarding investment Risk and return, knowledge about portfolio investment and various theories in portfolio management
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## PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES, COURSE OUTCOMES

### BACHELOR OF SCIENCE (B.SC):

Program Outcome	Acquire the knowledge with facts and figures related to various subjects in pure sciences such as Physics, Chemistry, Botany, Zoology, Mathematics, etc. Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life. Acquire the skills in handling scientific instruments, planning and performing in laboratory experiments
Program Specific Outcome	Understand the structural organization and variation in chromosomes get self-employment in the fields as: mushroom Cultivation, organic manure preparation, the horticultural plant production, cultivation of crops in poly-house condition, plant tissue, culture laboratories etc. Understand plant structures in the context of physiological functions of plants. Understand lipid metabolism in plants. Understand the morphological and structural organization of Cryptogams and Phanerogams.
<b>Course: BSC BOTANY</b>	<b>Outcomes</b>
Protophyta and phycology Mycology, pathology & bryophyta	Get self-employment in the fields as: mushroom Cultivation, organic manure preparation
Pteridophyta, gymnosperms, histology and anatomy	Understanding the plant diversity and anatomical variations among plant groups.
Cell biology, molecular biology and genetics	Understand the structural organization and variation in chromosomes
Plant physiology and ecology Angiosperm morphology, biotechnology and microbiology	Understand plant structures in the context of physiological functions of plants. Get self-employment in the fields as: mushroom Cultivation, organic manure preparation, the horticultural plant production, cultivation of crops in poly-house condition, plant tissue, culture laboratories etc.
Plant physiology and ecology Taxonomy and economic botany	Understand the morphological and structural organization of Cryptogams and Phanerogams.



<b>Course: BSC ZOOLOGY</b>	<b>Outcomes</b>
Animal diversity-I	To study the Salient features of Nonchordates with examples
Animal diversity-II	To study the Salient features of Chordates with examples
Physiology ,biochemistry and immunology	To study the physiology of Digestion, Respiration, Excretion, Circulation, Nervous system etc. To study cells and organs of immune system. To study the biological importance of biomolecules.
Histology, animal behaviour, A.zoology and toxicology	To study the histology of various organs, microtomy technique, behavior of various animals, Dairy, poultry, apiculture, Vermiculture, basic study of toxicology
Cell biology and biotechnology	To study the animal cell, various organelles, chromosomes, process of mitosis and meiosis, transcription and translation processes, basic techniques of Biotechnology.
Genetics, biostatistics, evolution and paleontology	To study Mendelian principles, interaction of genes, linkage and crossing over, human genetics, blood grouping, evolution of horse and man, evidences for evolution.
Reproduction biology and developmental biology	To study the human reproductive system, modern trends in reproduction, gametogenesis, cleavage, fertilization, development of human foetus, frog and chick embryology, placenta.
Environmental biology and wild life biology	To study biotic and abiotic factors,habitats, population, community, ecosystem, foodchain and foodwebs, zoogeography, distribution of animals,wildlife conservation.

Program Outcome	Students are able to understand the synthesis of proteins, lipids, nucleic acids and carbohydrates and their role in metabolic pathways.
Program Specific Outcome	Students get to learn synthesis of drugs under pharmaceutical field for human needs purpose. Able to understand and correlate clinical pathology of individuals in different disease conditions.
<b>Course: BSC BIOCHEMISTRY</b>	<b>Outcomes</b>
Bioorganic and biophysical chemistry	This course will provide an insight of molecular structures of organic components present and required in day to day life.
Bioorganic chemistry-I	Students will understand the biological processes involving chemical methods under bioorganic field.
Bimolecular and biochemical techniques	Graduates gain knowledge regarding isolating, purification, identification and functional aspects of various components present in organic molecules on a practical techniques.
Enzymology and metabolism Molecular biology and genetic engineering	Students gain the knowledge about enzymes, their kinetics, structure and the functions. It helps to understand the different methods of mass production of new traits of existing organisms for human welfare.
Human physiology and clinical biochemistry Nutrition, microbiology and immunology	Student should have understood: Basic Structure and metabolism of biomolecules Student should have understood: Immunity, Antigen, Antibody, Cells of immune system and their functions and regulations To inculcate knowledge in human immune response towards micro organisms

Program Outcome	Students will demonstrate an understanding of major concepts in all disciplines of chemistry. Students will employ critical thinking and the scientific method to design, carry out, record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the environment, society, and other cultures outside the scientific community
Program Specific Outcome	Get exposures of experimental techniques by using modern instruments. Understand the importance of the periodic table of the elements. Learn the laboratory skills needed to design, safely interpret chemical research. Achieve the skills required to succeed in graduate school, the chemical industry and professional school
<b>Course: BSC CHEMISTRY</b>	<b>Outcomes</b>
Chromatography, chemical bonding, solid states, nature of bonding in organic molecules	Identification and isolation of components can be done
Gaseous and liquid state, s-and p-block elements, industrial chemistry, reagents and their synthetic utility	Acquiring the knowledge of synthesis of industrially important compounds through synthesis and enrich the utility of reagents available
Thermodynamics, d-and f-block elements, binary mixtures structure and reactivity of carbonyl compounds	To acquaint knowledge on Aromaticity, thermodynamics and coordination chemistry
Coordination compounds, phase equilibrium colligative properties, reactive methylene compounds	Exploring the addition and substitution of compounds which are not available naturally and synthesis them.
Transition metal complexes, quantum mechanics, stereochemistry of organic molecules, heterocyclic compounds	Through optical activity one can explain active and inactive substances and rotation of the substances
Inorganic polymers, carbohydrates, proteins spectroscopy, drugs and pesticides	To synthesis drugs and polymers which are of daily important pesticides making use in agriculture to control pest and improve the rate of yield.



Program Outcome	Physics deals with a wide variety of systems, certain theories are used by all physicists. Each of these theories were experimentally tested numerous times and found to be an adequate approximation of nature. Physics uses mathematics to organize and formulate experimental results. The results from physics experiments are numerical measurements. Technologies based on mathematics, like computation has made computational physics an active area of research.
Program Specific Outcome	Understand the relationship between particles & atom, as well as their creation & decay. Relate the structure of atoms & subatomic particles Understand physical properties of molecule the chemical bonds between atom as well as molecular dynamics. Analyze the applications of mathematics to the problems in physics & develop suitable mathematical method for such application & for formulation of physical theories. Learn the structure of solid materials & their different physical properties along with metallurgy, cryogenics, electronics, & material science.
<b>Course: BSC physics</b>	<b>Outcomes</b>
General physics -I General physics-II	Relative motion. Inertial and non inertial reference frames. Parameters defining the motion of mechanical systems and their degrees of freedom. Study of the interaction of forces between solids in mechanical systems. Centre of mass and inertia tensor of mechanical systems. Application of the vector theorems of mechanics and interpretation of their results. Newton's laws of motion and conservation principles. Introduction to analytical mechanics as a systematic tool for problem solving. 8 Use of mechanical simulation software.
Optics	To provide a good foundation in optics To provide a knowledge of the behaviour of light To inspire interest for the knowledge of concepts is physical and geometrical physics
Electricity and X-ray crystallography	To gain knowledge about the electrical energies in order to learn motion of charges
Condensed matter physics	1) have an understanding of the elastic properties of solids and lattice vibrations; 2) have an understanding of the properties of metals on the basis of the free and nearly-free electron gas models; 3) have an understanding of the essence of density

<p>Modern physics</p>	<p>functional theory and its underlying building blocks;  4) have an understanding of the magnetic properties of condensed matter;  5) have an understanding of the optical properties of solids and the relation to their electronic properties;</p> <p>Demonstrate their understanding of the fundamental postulates and principles of special relativity and quantum mechanics.  Apply the principles of quantum mechanics to predict the results of measurements in simple systems such as a free particle, simple potential wells, and central potentials.</p>
<p>Nuclear physics</p> <p>Electronics</p>	<p>Study of the structure of nucleus  Know the formation of nucleus and their binding energy  To motivate the students and analyze the energy released by the nucleus during the fission and fusion process  To acquire knowledge and apply it to various electronically instruments  To apply the development of the electronic instruments  To motivate the students to apply the principles of electronics in their day-to-day life.</p>

<b>Course: BSC Mathematics</b>	<b>Outcomes</b>
Number theory and calculus	Students will learn how to write rigorous proofs of the theorems
Calculus, group theory and differential evaluations	Students will study some concepts come under group theory and learn to solve differential equations.
Number theory, partial derivatives and group theory	Students will study some applications of congruences and Learn to differentiate function with more than one independent variables.
Multiple integrals, complex variables, sequences and series	Learn to evaluate multiple integrals, perform basic algebraic manipulation with complex numbers and to analyze arithmetic and geometric sequences and series to solve problems
Differential evaluations and ring theory	To solve homogeneous second order equations and to write precise and accurate mathematical definitions of objects in ring theory
Graph theory	It is the mathematical structures used to model pairwise relations between objects.
Numerical analysis	It tells you how quickly you can get how close to the true solution.
Partial differential evaluations, fourier series and linear algebra	Combine solutions of PDE to satisfy given initial conditions by finding the coefficients of Fourier series

Program Outcome	Students will establish themselves as effective professionals by solving real problems through the use of computer science knowledge and with attention to team work, effective communication, critical thinking and problem solving skills
Program Specific Outcome	The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, application program, database , graphics and networking for efficient design of computer-based systems of varying complexity
<b>Course: BSC computer science</b>	<b>Outcomes</b>
Programming C, fundamental of digital computer, combinational circuits	It inculcates the students to have the basic digital logics that are present in the computer. It also enables to build the different gates (AND, OR, NOT), flip-flop and universal gates.
Advanced and sequential circuits	To inculcate knowledge on internal working of computers
C++ and data structure	To inculcate knowledge on Object-oriented programming concepts using C++. Enable the students to understand the abstract data types stack, queue, dequeue, and list. To be able to implement the ADTs stack, queue, and dequeue.
Operating system &Linux	It enables students to understand how computers work.
Microprocessor architecture and 8086 programming, relational database management and oracle visual programming NET	It enables the students to identify the architecture of the microprocessor and how the microprocessor accepts the data from the memory for processing. It also helps to identify the different types of flags and registers that are required for processing of data
Database concepts and oracle	The ability to understand the use of the database and its real-time application. It enables the students to identify the use of servers, normal forms, constraints on the table, database administrator.
JAVA programming	To inculcate knowledge of Programming logic concepts, which enables the students to create wide range of Applications and Applets using Java by understanding fundamentals of object oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.

Program Outcome	To interpret the fundamental principles of essential hospitality and tourism business functions. Recognize the importance and scope of skilled, friendly customer services both internal and external stakeholders
Program Specific Outcome	Students are employed in hospitality and tourism sectors in various managerial and operation positions like restaurant management, recreation and health , catering, cruise ship hotel management, institutional and industrial catering, in food, confectionery, beverage production industries.
<b>Course: BSC(HOSPITALITY SCIENCE)</b>	<b>Outcomes</b>
Food production	Course provides students with the opportunity to manufacture processed food on a large scale under simulated industry conditions in compliance with legal requirements.
F&B service	Able to apply basic beverage and operations knowledge
Front office management	Able to explain characteristics of the hospitality industry. Able to explain the relationship between the hospitality and tourism industry
Hygiene and sanitation	Course provides the importance of food safety and sanitation as the basis for preventing food borne illness, students can identify the different processes that can be used to clean and sanitize equipment and utensils in a food establishment
Accommodation operations	Upon successful completion of the course the students know interrelationship between different divisions of the accommodation business
Nutrition and food science	Provides information regarding different food preservatives and techniques, nutrients, food adulteration and detection
Accounts human resource management	Able to develop, implement and evaluate employee orientation, training and development programs
Facilities management	Understanding of the principles and procedures of facilities management and also shows how facilities management should be performed to support the core business of client organizations.
Hotel law	Students can understand legal responsibilities of managers in the hospitality industry and also they can examine in detail the law of contracts, its principles and application to various business situations.
F&B management	Able to apply basic beverage and operations knowledge
Tourism management	Students able to apply analytical and quantitative skills

	<p>to analyze and formulate business decisions in the tourism industry</p> <p>Able to demonstrate knowledge of the basic theories and techniques in tourism destination development</p>
Marketing management	<p>Able to formulate a marketing plan including marketing objective, strategies, budgeting considerations and evaluation criteria.</p> <p>Able to prepare and deliver a sales presentation</p>
Hospitality information	<p>Provides knowledge in hospitality management coupled with awareness of skills and attitudes which will prepare students for responsible leadership roles in the hospitality industry.</p>
System accommodation administration	<p>Able to quantitative methods to business problem solving and also able to communication professionally as a business leader both orally and in writing</p>

Program Outcome	Utilize knowledge from the physical and biological sciences as a basis for understanding the role of food and nutrients in health and disease processes. Students will be able to prepare and deliver effective presentations of technical information to food science and nutrition professionals and to the general public.
Program Specific Outcome	Able to provide nutrition counseling and education to individuals, groups, and communities throughout the lifespan using a variety of communication strategies.  Able to apply technical skills, knowledge of health behavior, clinical judgment, and decision-making skills when assessing and evaluating the nutritional status of individuals and communities and their response to nutrition intervention.  Students can implement strategies for food access, procurement, preparation, and safety for individuals, families, and communities.  Apply food science knowledge to describe functions of ingredients in food.
<b>Course: BSC(food, nutrition &amp; dietetics)</b>	<b>Outcomes</b>
Plant food science	Students will gain the knowledge regarding nutritional classification of food, method and media of cooking, nutritive value and processing, storage of plant based foods.
Principles of nutrition	Understand the functions and sources of nutrients, role of nutrients in maintenance of goof health.
Human physiology	Able to understand the physiological processes and functions as applicable to human nutrition
Animal food science	Gain knowledge regarding nutritive value, classification, processing, preservation and storage of animal foods. Also students understand the medicinal value of Indian spices and condiments.
Human nutrition	Able to identify what foods are good sources for what nutrients. Students will be familiar with factors affecting for the absorption of nutrients.
Life span nutrition	Gain knowledge about food pyramid, vegetarian diet, menu planning and nutritional needs during infancy to adolescents.
Dietetics	Students able to understand principles of diet therapy, modification of normal diet for therapeutic purposes and

	the role of dietitian.
Chemistry	Gain the knowledge about the basic principles, fundamental concepts, modern analytical methods and exposing the students to the rapid development of every phase of chemistry.
Computer application	Students gain the knowledge regarding MS Windows, MS Word, MS Excel, graphics software, internet basics, MS PowerPoint etc...
Nutrition through life cycle	Understand the nutritional requirement of adults, nutritional needs during pregnancy and lactation, physiological changes and hormones involved during pregnancy and lactation, effects of ageing and life expectancy.
Diet therapy	Students able to demonstrate counseling techniques to facilitate behavior change. Identify and describe the roles of others with whom the registered dietitian collaborates in the delivery of food and nutrition services.
Food microbiology	Able to understand the important pathogens and spoilage microorganisms in foods, the most likely sources of these organisms, and the conditions under which they grow, the role of beneficial microorganisms in foods and their use in fermentation processes.  Students able to use appropriate laboratory techniques to enumerate, isolate, and identify microorganisms in foods.
Nutritional biochemistry	Understand the biological processes and systems as applicable to human nutrition. Students will understand the principles of biochemistry and also chemistry of major nutrients.
Therapeutic diets	Students able to understand the causes, symptoms, risk factors and dietary management of different disease conditions like DM, gall bladder & pancreas, kidney and liver diseases.
Food law and food standards	Able to locate and interpret government regulations regarding the manufacture and sale of food products. Gain knowledge about the properties and uses of various food packaging materials. Can identify the adulterants added to foods.
Principles of food preservation	Understand the basic principles of food preservation methods, including high temperature, drying and dehydration, high pressure, fermentation etc...



Clinical dietetics	Gain knowledge about aetiology, risk factors, clinical features and dietary management of cancer, HTN, CVD, genetic and mental disorders.
Quality control	Understand the techniques that can be used to monitor quality of raw ingredients and final products. Can conduct appropriate sensory evaluation tests to answer specific questions regarding food attributes or consumer preferences. Able to know the uses of food additives and how food is fortified with nutrients.
Food preservation	Understand the basic principles of food preservation methods, including low temperature, heating, using chemicals and food irradiation

Program Outcome	Students will establish themselves as effective professionals by solving real problems through the use of computer science knowledge and with attention to team work, effective communication, critical thinking and problem solving skills. Students will develop professional skills that prepare them for immediate employment and for life-long learning in advanced areas of computer science and related fields. Students will develop ability to use the techniques, skills, and modern IT tools necessary for IT practice.
Program Specific Outcome	The ability to get Jobs in MNC's as Software Developer, System Programmer, Network Analyst, Test Engineer, Technical Support Engineer, Network Administrator etc. Public Services - KAS, IAS, IPS, UPSC, Central Services and Defense Services (Army, Navy, and Air Force). Banking sector and Government undertakings. Entrepreneurship - one can have own startups. Universities as Case Workers and Data entry operators, High Schools.
<b>Course: BCA</b>	<b>Outcomes</b>
Fundamentals of information technology	The ability to learn about the basics of excel, PowerPoint, access word document which are basic necessary of the computer information's and the basics of the computer subjects.
C programming	It is the basics of all the programming language. So it gives the programming outcomes for field.
Computer organization	The ability to understand theory of Computer Organization and Computer Design, to understand the functions of various hardware components, digital design and their building blocks, to understand Boolean algebraic expressions to digital logic. In depth understanding of how different hardware components are related and work in coordination, to understand computer behavior and input/output peripherals.
Basics of networking	The ability to understand Overview of Networking, Network communication standards, Network Topologies, to understand LAN Cables and connectors used and Wireless LANs, to understand LAN Protocols, Network Addressing, to understand WAN hardware and protocols and to understand Network Operating Systems.
Object oriented programming using C++	This course enables the advance of the C programming language, which consist of advance concept
RDBMS and ORACLE	To inculcate knowledge on RDBMS concepts and Programming with Oracle.

Basic mathematics	
Microprocessors	This course provides the basic understanding of methods of how a microprocessor works, its evolution and assembly level language.
Data structures	Learn to design and implementation of various basic and advanced data structures. To introduce various techniques for representation of the data in the real world and to develop application using data structures.
Operating system	The ability to understand System Components, Operating System Services, Process Scheduling, CPU Scheduling, Scheduling Criteria, Scheduling Algorithms, to understand Process Synchronization, Deadlocks, Methods of Handling Deadlock, Memory Management, Virtual Memory, File System, to understand Linux, Linux commands.
Data mining	This subject provides the basic knowledge regarding to how store and process large volume of data from multiple sources, apply different algorithms to obtain different patterns and hidden knowledge from vast database.
Computer graphics and multimedia	To inculcate knowledge on Graphics & Multimedia concepts and to apply the creativity in real-time using algorithms and animation techniques.
Visual basic Net programming	To inculcate knowledge on developing GUI interfaces programming skills using Visual Basic On successful completion of the course the students should have understood NET Framework, VB.NET, and ASP.NET
Principles of TCP/IP	Enable the students to understand the purpose and history of the TCP/IP protocol suite. To Describe the Internet standards process and the purpose of a Request for Comments (RFC) document.
E-commerce	On Successful Completion of this subject the students should have: - E-Commerce , E-Market , EDI , Business Strategies etc.,
Software engineering	This subject which helps the student to understand the basics about the project work and also helps them to create a documents regarding to their final year project.
Linux environment	This course will prepare students to develop software in and for Linux environments. It include basic operating system concepts, effective command line usage, shell programming, the C language, programming development tools, system programming, network programming (client server model and sockets), and GUI programming.
Web development in NET	This course enables the students to enhance their

	interest in the developing the web page or making a knowledgeable creativity
Java programming	To inculcate knowledge of Programming logic concepts, which enables the students to create wide range of Applications and Applets using Java by understanding fundamentals of object oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.
Distributed computing	On successful completion of the course the students should have understood the trends and principles of distributed computing.

<p>Program Outcome</p>	<p>The area of jurisdiction of Mangalore University has a proved distinguished tradition of visual art. Painting, Sculpture and Applied art are the different forms of expression to mould emotional and intellectual abilities at all levels of human development.</p> <p>Masters Course in Visual Art will be help full to enhance the art work and interpretation in distinct. It also builds a wider platform for synchronization of different art schools, and forms in the distinct. The students of Visual art would prove to be an asset to the society and themselves.</p>
<p>Program Specific Outcome</p>	<p>Opportunity to work at all professional in the area like Graphic Designer, WebDesigner, Animators, ArtDirectors, Illustrators - In Advertising Agency, Software &amp; Many other Companies. And also, the opportunities are available to become as Professional Sculptor / Painter / Commercial Artist, Art Teachers in Central Schools like in Navodaya, Kendriya Vidyalaya and can become a lecturer in Fine Arts Colleges, Art Director for small screens and big screens, Landscape designing, Mural Designers, Interior designers, Stage settings for theaters, Events designer, TV Shows designer, Textile designers and any kind of design-oriented work.</p>
<p><b>Course: BVA</b></p>	<p><b>Outcomes</b></p>
<p>Painting</p>	<p>Is a fine art subject, deal with 2-dimensional part of visual arts by using various drawing mediums, paints like oil, acrylic, water colour etc.</p> <p>This field open for freelance artist (Commercial and contemporary artist) and all design field.</p>
<p>Sculpture</p>	<p>In this department we deal with 3-dimensional part of visual arts by using various mediums like terracotta, stone, wood, metal, scrap metals etc. the fields we can use in architecture field, interior design, landscaping, monumental sculpture, set designing film and TV, backdrops for the events, exterior mural design as a freelance artist.</p>
<p>Applied art</p>	<p>In this specialization can learn advertising designs – Poster design, Paper Ad, Story Board, Book Cover, Packaging, Logo, Corporate designs and advertising campaign designs etc.</p>



Program Outcome	<p>Social work education provides the learners with knowledge &amp; skills needed to prepare for a professional career as a social worker .Through the various programmes they are trained to acquire different types of skills like communication, Life skills , problem solving skills organizing programmes and resource mobilisation etc</p> <p>Programmes like field practicum and community camps motivates them to analyze the life situation of community people from different perspectives Study tours to different N G O s helps to get exposure of down trodden people with their problems. Awareness sessions helps to update their knowledge which is required to face the challenges of the present society</p>
Program Specific Outcome	<p>B S W Forum organises various programmes throughout the year for the overall personality development of the students &amp; mould them to the social work profession, Learners are passionate about social justice &amp; have a measurable impact on people in their community Thus they identify those who need help ,assess the situations and develop plan to address their needs.</p>
<b>Course: BSW</b>	<b>Outcomes</b>
Introduction to social work	To understand the concept of social work, its evolution
Basic sociological concepts	To provide sociological perspectives and sociological insights for effective social work practice
Early childhood development	To know how children develop and to understand the psychological significance of development
Fundamentals of nutrition	To discuss the relationship between food health and diseases
Method of social work	To understand different methods of social work
Social problems and service	To understand causes and consequences of various social problems confronting Indian society
Childhood problem and service	To develop ability to identify common problems of children
Home management	To develop Home management skills
Human growth and personality development	Develop an understanding of the concept of personality and factors affecting it
Working with individuals	To understand the skills in working with Individuals
Early stages of human development	Develop an understanding of the characteristics and developmental stages of human life

Health care	To develop an understanding of the health situation in India
Non formal education	To provide an overview of education & different channels of education while focusing on the stream of Non formal education
Working with groups	To understand Group as an instrument of change
Health education	To develop sensitivity to common misconceptions , attitudes and practices towards Health problems
Education for social change	To critically analyze the Indian situations and examine the role of education
Social case work with families	To understand concept of family and problems of family
Social work with communities	To inculcate knowledge on the concept of community organization and community development, understand the role of NGO and SHG in community settings
Social welfare administration	To understand the concept of social welfare administration & to make effective social policy for the welfare of underprivileged sections
Problems of Indian society	To develop an understanding of the systematic nature of poverty and unemployment and its magnitude in the Indian society
Communication for social work	To understand different type of communication and its importance in social work
Social group of work in various setting	To provide knowledge about various Groups
Community organization and development	To understand different approaches of community organization and community development prograame
Social Work Research and statistics	To inculcate knowledge on concepts and basic elements of social work research, to understand the research designs in social work research & the method of analysis
Contemporary challenges of development	To understand concept of development and underdevelopment
Development of weaker section	To assess the weaker section in the community and the welfare measures provided to the weaker section
Mass communication	To critically view the various mass communication media in the context of Indian society and development



## PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES, COURSE OUTCOMES

### BACHELOR OF ART

Program Outcome	Economics subject enables the learners to build up a professional carrier as economists, financial advisors, economics planners and policy makers. It prepares them to cope up with the stress and strain involved in the process of economic development. Department supports the education and training of students, teachers and research in economics.
Program Specific Outcome	Through organizing guest lectures, workshops, seminars, industrial visit and extension activities it enables students to learn economics, particularly its applications and foster the development of their own skills in economic reasoning and understanding.
<b>Course: BA ECONOMICS</b>	<b>Outcomes</b>
Microeconomics	Students will be able to apply supply and demand analysis to examine the impact of government regulation and it also enable them to explain determinants of demand, responses of market and the benefits of exchange.
Macroeconomics	It provides knowledge regarding the formulation of broad economic policies that maximize the level of national income, providing economic growth to achieve sustainability, full employment, price stability, external balance, increasing productivity in the long run.
Money and banking	It attempts to impart an understanding of monetary economics. It describes carefully the basics of monetary economics like money, value of money, theories of money, banking and international financial institutions.
International trade and public finance	Enable the students the pattern and nature of international trade and their contribution to economic development. It also enables learners to know the role of public authorities in raising revenue and its spending.
Economic thought	Gives idea to the students about the systematic development of economic theories beginning from pre-modern and modern era.
Economics of development	It makes the students to understand the aspect of development process in low income counties. Its focus is on improving the potential for the mass of population through health and education.
Indian economy	It makes learners to understand the economic functioning and conditions of our country in the context of past, present and future.

Environmental economics	As environmental problems are the burning issues of present day, the study of environmental economics helps them to know the methods of controlling environment pollution and thereby to achieve sustainable development.
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Program Outcome	Political Science education provides learners with knowledge and skills needed to prepare for a professional career as a teacher, administrator, political scientists, lawyers etc. It also provides ground knowledge about the basics of political education (it gives political training). It trains about the politics and government at local, state, national and global levels.
Program Specific Outcome	Political Science organizes guest talk by scholars in the field of Political Science and encourages the students to think critically and gives information about politics and various aspects of public life. Political Science department enables the students to participate in various programs conducted by Humanities department as well as forums of college and also avail the students to participate in various activities of the college and outside.
<b>Course: BA POLITICAL SCIENCE</b>	<b>Outcomes</b>
Introduction to Political Science	To understand the concepts of Political Science and to have a knowledge about the significance of Political Science.
Comparative Government and Politics	To understand the comparative analysis of various government or political system of the countries like USA, UK, China, and France. It helps them to critically analyses about the advantages and disadvantages of that political system with Indian political system.
Indian political system	The study of Indian Political System conveys the whole body of knowledge to the students about Indian Government and Politics. This encourages the students to think and analyse about the politics of our nation.
Political thinkers and ideologies	It enables the students to learn the ideas of great Political Thinkers of ancient as well as modern period. To understand the concept of Communitarianism, Multiculturalism, Liberalism etc. Multiculturalism is a situation in which all the different cultural or racial groups in a society have equal Rights and opportunities. It helps the students to understand the importance of equality of different cultures.
Public administration	It helps to understand about Organization, mode, structure of Civil Service and also enables the Students to have knowledge about Budget preparation and Execution.
Introduction to International Relations	It inculcates knowledge of various concepts of International Relations for example Collective Security, Balance of Power etc. It also helps to understand various process of International Relation. It studies about UNO which is the only one International Organization functioning for the maintenance of International Peace and Security.

<p>Contemporary issues and trends in international relations</p>	<p>It enables the students to understand about the various issues of International Relations like global terrorism, issues between India and different neighboring countries like Pakistan, Bangladesh and China. It also gives knowledge about various other aspects like New International /Economic Order and Studies about Global Organizations like WTO. It helps the students to analyzeP all those issues critically and to understand significance of World Peace.</p>
<p>Theory and practice of management</p>	<p>It helps to understand about the scientific knowledge of Management and improves the decision making ability of the students, develop leadership qualities and improve communication skills.</p>

<p>Program Outcome</p>	<p>To develop the communication skills, theoretical and practical knowledge among the students in print, electronic and new media.</p> <p>The Communication and Journalism Department is committed to providing undergraduate students with a quality education in the communication and journalism disciplines that is current, relevant, practical, and personal. The department's goals include enabling students who graduate to be able to compete successfully for positions at graduate schools nationwide.</p> <p>Another departmental goal is that students who graduate in communication will be prepared for entry-level positions as professionals within communication-related fields. Students who graduate in journalism will be prepared for entry-level positions as professionals within journalism and related fields.</p>
<p>Program Specific Outcome</p>	<p>Students will be able to write a variety of mass media products, including news stories, press releases, and advertising copy, following accepted journalistic standards, including Associated Press style. Students will be able to create and design emerging media products, including blogs, digital audio, digital video, social media, digital photography, and multimedia.</p>
<p><b>Course: BA journalism</b></p>	<p><b>Outcomes</b></p>
<p>Introduction to mass communication</p>	<p>Understanding of the basic factors affecting mass communication and mass media;</p> <p>To increase students' knowledge and understanding of the mass communication process and the mass media industries.</p> <p>To help students become more skilled and knowledgeable consumers of media content. • To develop students' understanding of the relationships among communication, mass communication, culture, and those who live in the culture.</p>
<p>Evolution of media</p>	<p>Students will understand mass media as a system of interrelated forces, including historical foundations, technological advances, economic dynamics, regulatory constraints, and ethical concerns. and to know about pre and post independent press, growth and development of Indian press, kannada journalism. history of Indian cinema, TV and Radio,</p>
<p>Reporting &amp; Editing practice</p>	<p>To understand techniques of reporting in different media, news gathering techniques. Various types of reporting including crime, court, environment, development, political, sports, education, culture and entertainment, and to understand</p>

	different types of interviews. and preparation and techniques of interview. To gain knowledge of types headlines writing. to know about different types of editing symbols used in news. and editing techniques.
Feature writing	To understand techniques of feature writing and different types features. To learn method of column writing, to study about kannada and English column writers. Photography techniques. Photojournalism
Advertising	To understand the concept of advertising origin and development. different types of advertising, advertising design ,advt. campaigns ,laws and ethics of advertising, ASCI, consumer behavior.
Public relations Media laws and management	To know the media laws including law of defamation, registration of book act, copy right cyber law,official secret act, working journalist act,principals of media management. Readership survey, functions and structures of news agency.press council press commission.cyber law. And nature and scope of public relation,types of public relation,code of ethics in PR,PR Process.

<b>Course: BA ENGLISH MAJOR</b>	<b>Outcomes</b>
Early romantic literature	Students will be able understand and appreciate the beginning of Romantic Movement in British Literature. Pupils recognize the contributions of William Wordsworth, S T Coleridge, William Blake etc.
Later romantic literature	Learners understand and appreciate the contributions of younger generation of romantic poets like Keats and Shelley and they also understand how The Romantic Movement responded to the contemporary society.
Victorian literature	Students recognize how 19 <sup>th</sup> century writers responded to contemporary social uprising and also understand various literary movements such as Oxford Movement, Art for Art's Sake etc.
The 17 <sup>th</sup> century	Students will be able to appreciate the great epic writer John Milton and get knowledge about Metaphysical Poetry and Puritan movement in England.
Shakespeare	Students get the taste of literature by reading omnipresent writer William Shakespeare who shaped English language and literature. They also learn the development of theatrical activities of the Elizabethan Period
The 20 <sup>th</sup> century	Students will be able to appreciate modern writers like T S Eliot, W B Yeats etc. They also incorporate the essence of modern literary trends.
Indian writings in English  American literature	To learn the literary, societal, cultural, biographical and historical background of the greatest English writings penned by Indian Authors  To get a better comprehension of literary, societal, cultural, biographical and historical background of the greatest writings in American Literature.

Program Outcome	The study of physical education help the students know about the importance of physical education in personality development and participation in sports. it helps them for higher level of achievements.
Program Specific Outcome	The specific outcome is preparing them to go for higher studies in physical education.
<b>Course: BA PHYSICAL EDUCATION</b>	<b>Outcomes</b>
Principles of physical education	This subject helps the students to understand the values and ethics of life and personality development.
Health and safety education	This subject helps them to know about health aspects and maintain good health and fitness for higher achievements in sports.
History of physical education	The students can better understand the importance of physical education by studying the history.
Education and sports psychology	The subject helps the students to understand the psychological aspects include in sports for good performance.
Anatomy and physiology Physiology of exercise	Study of this subject helps the students to know more about the human body which helps him for higher level of sports achievements and adopt training method.
Kinesiology I Biomechanics II	The students are able to better understand the body movement in sports and the body mechanism for higher achievements.



Program Outcome	To provide students with an understanding of human behavior that will support their ability to participate as informed members of the society, and to develop in them an empathetic outlook towards others and their surroundings
Program Specific Outcome	<ul style="list-style-type: none"> <li>❖ To provide students with excellent and rigorous training in Psychology both theoretically and Practically.</li> <li>❖ To build deep expertise in the respective domain as well as a broad vision of the field</li> <li>❖ This is achieved through integrated Curricula that compasses of Teaching, Faculty guided Projects, Class room activities and Field works .</li> </ul> <p>To create a generation of excellent psychologists who can contribute to the society as a whole</p>
<b>Course: BA PSYCHOLOGY</b>	<b>Outcomes</b>
Foundation of behavior-I	Students are sensitized towards the basic concepts of psychology
Foundation of behavior-II	A continuation of the paper with an elaboration of the concepts, where students learn how psychology is used in their day to day living.
Child development	Students here are exposed to various developments during childhood; it helps them to build up a scientific bent of mind towards the psychological process taking place during childhood.
Life span development	This paper encompasses the psychological changes from puberty to old age, it helps them to develop an empathetic feelings towards the people of various ages
Social psychology Abnormal psychology	Students here get well versed in understanding the psycho social phenomenon that are taking place with the society, helps understand the psychological climate of the society. Abnormal Psychology Paper here students gain an insight into various psychological problems , To Diagnose Mental health Disorders And to figure out the bio psycho social etiologies
Organizational behavior Health psychology	Organisational Psychology paper helps students to understand the psychological dynamics in work place, They learn to apply psychological principles in work place for enhancing productivity and understanding Consumer Psychology Health Psychology helps how psychological dynamics play a role on health

Program Outcome	<p>BHARATHANATYAM provides the learners with knowledge &amp; skills needed to prepare for a professional career as a classical dancer .Through the various programs they are trained to acquire different types of practice like basic of adavu, exercises, knowledge about music, thala, culture,Life skills , problem solving skills or choreography skills etc</p> <p>Programs, different classical dance workshops and performances motivate them to improve their passion. Choreography sessions helps to update their knowledge which is required to face the challenges of the present society</p>
Program Specific Outcome	Programs throughout the year for the overall personality development of the students & mould them as professional dancer.
<b>Course: BA BHARATHANATYAM</b>	To understand the concept of bharathanatayam, the importance of learning bharathanatyam, adavu, exercises, knowledge about music, thala, culture, Life skills , problem solving skills or choreography skills etc
History of dance	Knowledge about mythological history, developments, history of different dance guru.
Introduction to Indian classical dance and techniques	It includes history, developments, costumes, makeup, instruments used in dance program, dance guru, learning style etc
Shlokas, Hastas and techniques	How to show different, relationships, god, goddess, navagraha, hastas
Role of carnatic music in bharathanatyam	Important of music in bharathanatyam, how it is used in choreography
Techniques based on adhinayadarpana and natyashastra	Introduction, difference aspect between abhinaya darpana and natya shastra
The concepts of nayaka and nayaki bheda, dance theaters	Different types of nayika and nayaka, sub division, their nature, and how it is used on dance item ( abhinaya)

Program Outcome	<p>KARNATIC MUSIC provides the learners with knowledge &amp; skills needed to prepare for a professional career as a musician Through the various programs they are trained to acquire different types of skills like voice culturing , teaching development skills , performance orientation , etc</p> <p>Programs and workshops motivate them to analyze the performance skills and thereby gain vast experience. Awareness sessions helps to update their knowledge which is required to face the challenges in live performances</p>
Program Specific Outcome	<p>KARNATIC MUSIC and Cultural Department organizes various programs throughout the year for the overall personality development of the students &amp; mould them to the music profession, Learners are passionate about music &amp; have a measurable impact on people across the globe</p>
<b>Course: BA KARNATIC MUSIC</b>	<b>Outcomes</b>
Fundamental lessons	Extremely essential for culturing
Nottuswara, tanavarnams, krithis	Introduction to musical compositions in different talas and speeds
Advance level musical forms	Initiation to competitions and performances
35 alankara ,Ragamalika varnam, advanced level musical forms	Higher level of training essential for grand musical performances
Swarajathi of shyamashathri, varnas, pancharathna Samudaya krithi and manodharma sangeetha	Compositional forms for group performances in sabhas ,temples , music festivals , etc
Advanced level musical compositions	Compositional forms for grand solo performances in sabhas ,temples , music festivals , etc