SRI BHUVANENDRA COLLEGE - KARKALA

Department of Mathematics

Programmes offered

a) B.Sc (Physics, Chemsitry, Mathematics)

b) B.Sc (Physics , Mathematics, Computer science)

B.Sc. PCM	**Program Outcome**	
	After successful completion of three year degree program in PCM a student must be able to	
	PO-1	Uphold the social and ethical responsibilities as per college vision and mission
	PO-2	Apply technical skills, creative mindset, logical reasoning to face the competitive exam confidently.
	PO-3	Grab job opportunities in industries, research and development institutions, IT field
	PO-4	Understand basic concepts fundamental principles and scientific knowledge with their relevance in day to day life
	PO-5	To pursue higher studies and research.

B.Sc. PMC	**Program Outcome**	
	After successful completion of three year degree program in **PMC** a student must be able to	
	PO-1	Uphold the social and ethical responsibilities as per college vision and mission
	PO-2	Apply technical skills, creative mindset, logical reasoning to face the competitive exam confidently.
	PO-3	Grab job opportunities in industries, research and development institutions, IT field
	PO-4	Understand basic concepts, fundamental principles and scientific knowledge with their relevance in day to day life
	PO-5	To pursue higher studies and research
	PO-6	Students will have applied knowledge of computing to design, implement and evaluate computational problems

Program specific Outcomes	
P.S.O.1	**The syllabus imparts about 30 of technical skills.**
P.S.O.2	**Student will be acquiring knowledge to compete at national and international level.**
P.S.O.3	**Employability will be improved with the knowledge of Mathematical software's.**
P.S.O.3	**Domain knowledge will be upgraded with the knowledge of applications.**
P.S.O.4	**Student will be able to handle the challenges due to upgradation of softwares.**
P.S.O.5	**Research in Mathematics.**
P.S.O.6	**Higher studies in Mathematics**

Course outcomes		
course	Outcomes	Assessments
B.Sc First Semester BSCMTC131 Course I: Calculus and Analytical Geometry	**Students will be able to** : . Solve real life problems using optimization problems. . Learn the technique of sketching the graph of the function using its properties. . Differentiate integrable and non-integrable functions. . Solve problems related to Mean Value Theorem and Fundamental theorem of calculus. . Find domain, range, level curves and level surfaces for a given function. . Transform the general quadratic equation into another without xy term by rotation of axes. . Sketch the graph, level curves, level surfaces, _nd the area bounded by two curves and	Unit Exercises, Home works, Home assignments,seminars, classroom works, internal assessment and semester examinations etc

	rotation of conic using maxima software	
B.Sc First Semester BSCMTP132 Practicals: Lab I	**Students will have the knowledge and skills to implement the programs listed below in the Scilab/Maxima programming language.** **They can be expected to apply these programming skills of computation in science and Engineering.** **Programs:** 1) Introduction to Scilab.2) Introduction to Maxima. 3) Commands for plotting functions in Scilab/Maxima. 4) Plotting of standard Cartesian curves using Scilab/Maxima-I. 5) Plotting of standard Cartesian curves using Scilab/Maxima-II. 6) Continuous and discontinuous functions using Scilab/Maxima. 7) Left hand and right hand limits using Scilab /Maxima. 8) Di_erentiability using Scilab/ Maxima. 9) Techniques of Integration in SciLab/Maxima. 10) Maxima commands for reduction formula with or without limits. 11) Solutions of optimization problems. 12) Integration of functions. 13) Obtaining partial derivative of some standard functions. 14) Conic sections, Rotation of Conics.	**Program writing and execution**
B.Sc Second Semester BSCMTC181 Course II: Number Theory and Calculus	**Students will be able to** . Find greatest common divisors of larger numbers, solve Diophantine equations. . Convert binary to decimal and vice-versa. . Find Taylor series, directional derivatives, gradient and tangent to level curves and surfaces.	Unit Exercises, Home works, Home

	. Graph the function in polar coordinates. . Find the limit of integration and reverse the order of integration.	assignments,seminars, classroom works, internal assessment and semester examinations etc
B.Sc Second Semester **BSCMTP182** **Practicals: Lab II**	Students will have the knowledge and skills to implement the programs listed below in the Scilab/Maxima programming language. They can be expected to apply these programming skills of computation in science and Engineering. Programs: 1) Euclidean Algorithm. 2) Divisibility tests. 3) Solving system of congruences. 4) Euler's Phi-function. 5) Plotting polar curves. 6) Plotting standard parametric curves. 7) Evaluation of indeterminate forms. 8) Veri_cation of Cauchy's mean value theorem. nth derivatives. 10) Evaluation of limits by L'Hospital's rule. 11) Finding Taylor/Maclaurin series. 12) Evaluation of the double integral with variable limits. 13) Level curves and level surfaces. 14) To demonstrate the physical interpretation of gradient, divergence and curl.	Program writing and execution
B.Sc Third Semester **BSCMTC231** **Course III:** **Sequences, Series and Differential Equations.**	**On successful completion of the course, the student will be able to :** . Classify the divergent and convergent sequence and _nd its limit, if exists. . Apply all varieties of tests to determine the nature of a given in_nite series. . Classify the given di_erential equation and apply the appropriate method for solving it. . Apply the solving techniques of differential equations in	Unit Exercises, Home works, Home assignments,seminars, classroom works, internal assessment

	mathematics, physics, chemistry and biology.	and semester examinations etc
B.Sc Second Semester **BSCMTP 232** **Practicals: Lab III**	. Write systematic programs to solve O.D.E. and to check the convergence of series and sequence using maxima. Programs: 1) Illustration of convergent, divergent and oscillatory sequences. 2) Illustration of convergent, divergent and oscillatory series. 3) Programs to _nd the sum of the series. 4) Using Cauchy's criterion to determine convergence of a sequence (simple examples). 5) Using Cauchy's criterion on the sequence of partial sums of the series to determine convergence of a series. 6) Testing the convergence of binomial, exponential and logarithmic series and finding the sum. 7) Solution of Differential equation and plotting the solution - I. 8) Solution of Differential equation and plotting the solution - II. 9) Solution of Differential equation and plotting the solution - III. 10) Solution of Differential equation and plotting the solution - IV. 11) Solution of Differential equation and plotting the solution - V. 12) Solution of Differential equation and plotting the solution - VI. 13) Determination and Plotting of Orthogonal trajectories. 14 Applications of differential equations.	Program writing and execution
B.Sc FourthSemester BSCMTC281 BSCMTC281 Course IV: Algebra and Complex Analysis	On successful completion of the course, the student will be able to . Perform basic mathematical operations (Arithmetic, power, roots) with complex numbers in cartesian and polar forms. . Evaluate limits and apply it to determine continuity and to determine continuity and to deduce necessary and su_cient conditions for a function of complex	

	variable to be di_erentiable. . Work with elementary functions (polynomials, reciprocals, exponential, trigonometric, hyperbolic etc) of single complex variable and describe mappings in the complex plane. . Evaluate a contour integral using parametrization . De_ne, identify and give example for group, Subgroup, Coset, Normal subgroup, Quotient group, Normalizer and Centralizer. . Use and apply homomorphism between groups. . Use theorems of the course to analyze the structure of groups. . Use Wx-maxima software to identify cyclic groups and to _nd number of subgroups . Find real and imaginary part of analytic function and to find roots and complex numbers through programs.	Unit Exercises, Home works, Home assignments,seminars, classroom works, internal assessment and semester examinations etc
BSCMTP282 Lab IV	**Students will have the knowledge and skills to implement the programs listed below in the Scilab/Maxima programming language. They can be expected to apply these programming skills of computation in science and Engineering.** Programs: 1) Verifying whether given operation is binary or not. 2) (i) To _nd identity element of a group. (ii) To _nd inverse element of a group. 3) Finding all possible subgroups of a _nite group. 4) Examples to verify Lagrange's theorem. 5) Examples for _nding left and right coset and _nding the index of a group. 6) Finding generators of a cyclic group and computation of quotient group. 7) Determination of center and all possible normal subgroups of groups.	

	8) Some problems on Cauchy-Riemann equations (Cartesian and polar form). 9) Implementation of methods of constructing analytic functions(simple examples). 10) Illustrating orthogonality of the surfaces obtained from the real and imaginary parts of an alalytic function 11) Verifying real and imaginary parts of an analytic function being harmonic (in polar coordinates). 12) Illustrating the angle preserving property of simple entire functions such as z_2; exp(z), etc., 13) Showing nth roots o f unity is a group and plotting them on the unit circle. 14) Branches of the multiple valued functions: $\sqrt{z}$ and log z.	
B.Sc Fifth Semester **MT301: Paper5** **Differential Equations and Ring Theory**	**The students would have been able to learn about** 1.. linear equations with constant coefficients Finding particular integrals etc 2.. Special methods for finding particular integrals , linear differential equations with variable coefficients and special methods to solve any second order 3. Laplace transforms of some standard functions , periodic functions , inverse Laplace transforms, convolution theorem , solving simple initial value problems using Laplace transforms, its application to string problems. 4. rings, its types ,properties and	Unit Exercises, Home works, Home assignments,seminars, classroom works, internal assessment and semester examinations etc

	homomorphisms and isomorphisms ,ideals and quotient rings , prime and maximal ideals and polynomial rings	
B.Sc Fifth Semester **MT302, Paper6b: Special Paper .** **NUMERICAL ANALYSIS**	**The students would have been able to learn about** 1.. errors and approximations, solutions of algebraic and transcendental equations using bisection method, false position, Iteration method, Newton Raphson method. 2. matrix operations , types , rank of a matrix, elementary operations, equivalent matrices, solutions of linear and non linear equations using matrix inversion , Gauss Seidal and Gauss Jordan Method. 3. interpolation, Newton's forward and backward interpolation formula and Lagrange's interpolation formula 4. , Newton's Divided Difference formula, numerical differentiation , and minima and minima of tabulated functions and numerical integration using trapezoidal rule , Simpson;s $1/3^{rd}$ rule and Simpson's $3/8^{th}$ rule , solutions of ODE using numerical methods	Unit Exercises, Home works, Home assignments,seminars, classroom works, internal assessment and semester examinations etc
B.Sc Sixth Semester	**The students would have been able to learn about** 1.. total differential equations and partial differential equations, criterion for integrability	

MT351: **Paper7:** **Partial Differential Equations, Fourier Series and Linear Algebra**	formation of partial differential equations. 2. study of Fourier series, even and odd functions half range series, complex Fourier coefficients, etc. 3. vector spaces, subspaces , linear independent and dependent vectors , bases, dimension of a vector space , inner product spaces,Schartz inequality , orthogonal vectors, orthonormal sets and orthobonal compliments etc 4. about linear transformations , isomorphisms, matrix of linear transformations Quotient space , First Isomorphism Theorem , dimension of a quotient space , non-singular transformation , matrices , its types , similar matrices, rank of a matrix an drank of a linear transformation, Elementary Row Operations, Linear equations , Minimal polynomial.	Unit Exercises, Home works, Home assignments,seminars, classroom works, internal assessment and semester examinations etc
B.Sc Sixth Semester **MT352:** **Paper 8(b)** **Special Paper .** Linear Programming and its Applications	**The students would have been able to learn about** **1..** optimization problems through graphical and Simplex methods., Simplex algorithm for maximum tableau. 2. negative Transposition**,** the Simplex Algorithm for Minimum tableaus ,non-Canonical Linear Programming problems , duality theory, Dual Simplex Algorithm,the Duality Equation. 3. the Duality Theorem**,** Duality in Non-Canonical Tableaus and matrix games, The Von Neumann	Unit Exercises, Home works, Home assignments,seminars, classroom works, internal assessment

	MinimaxTheorem. 4. the Balanced Transportation Problem, The Vogel Advanced Start Method (VAM), The Transportation Algorithm, Unbalanced Transportation Problems, The Assignment Problem, The Hungarian Algorithm and Network- Flow Problems	and semester examinations etc

Program specific Outcomes	
P.S.O.1	Familiarized the students with suitable tools of mathematical analysis to handle issues and problems in mathematics and related sciences.
P.S.O.2	Acquire good knowledge and understanding to solve specific theoretical and applied problems in advanced areas of mathematics
P.S.O.3	Provide students/learners sufficient knowledge and skills enabling them to undertake further studies in mathematics and its allied areas on multiple disciplines concerned with mathematics
P.S.O.3	Encourage the students to develop a range of generic

	skills helpful in employment, internships and social activities
P.S.O.4	culmination of in-depth knowledge of algebra, calculus, geometry, differential equations and several other branches of mathematics and inn programming
P.S.O.5	Research in Mathematics.
P.S.O.6	Higher studies in Mathematics

Department of Physics

B.Sc. PCM	**Program outcome**	
	After successful completion of three year degree program in PCM a student must be able to	
	PO-1	Uphold the social and ethical responsibilities as per college vision and mission
	PO-2	Apply technical skills, creative mindset, logical reasoning to face the competitive exam confidently.
	PO-3	Grab job opportunities in industries, research and development institutions, IT field
	PO-4	Understand basic concepts fundamental principles and scientific knowledge with their relevance in day to day life
	PO-5	To pursue higher studies and research.

B.Sc. PMC	**Program outcome**	
	After successful completion of three year degree program in **PMC** a student must be able to	
	PO-1	Uphold the social and ethical responsibilities as per college vision and mission
	PO-2	Apply technical skills, creative mindset, logical reasoning to face the competitive exam confidently.
	PO-3	Grab job opportunities in industries, research and development institutions, IT field
	PO-4	Understand basic concepts, fundamental principles and scientific knowledge with their relevance in day to day life
	PO-5	To pursue higher studies and research
	PO-6	Students will have applied knowledge of computing to design, implement and evaluate computational problems

B.Sc. PMC	**Program specific outcome**	
	After completion of B.Sc. with **Physics** as one of the subject, students	
	PSO-1	Acquire in depth theoretical and experimental knowledge of all branches of physical science
	PSO-2	Explores knowledge in the field of Radiation Biophysics

		Astrophysics, electronic and communication, material physics etc
	PSO-3	Have scope in reputed research institutes for higher studies
	PSO-4	Recognize the real world problems related to mathematical analysis and formulate scientific models
	PSO-5	Enhance aptitude solving capabilities and improve logical skills and reasoning power

I Semester

Sl.No.	Course	Outcomes	
1.	**Group I core Subject PHC 103,General Physics I**	**CO1.**	**To understand the basic concept of vectors**
		CO 2.	**principle of rocket launching, planetary motion**
		CO 3	**To analyze dynamics and kinematics of rigid bodies**
		CO 4.	**Working of heat engines**
		CO 5.	**To study low temperature physics**
	Group II Elective PHCE 133	**CO**	**Basics of Radiation and Environment**

II Semester

Sl.No.	Course	Outcomes	
2.	**PHC 152,General Physics II**	**CO1.**	**To study the elastic properties of materials,**
		CO 2.	**Fluid dynamics, Friction**
		CO 3	**To study general theory of relativity**
		CO 4.	**Evolution of stars and universe**
		CO 5.	**To study Progressive and stationary waves**

III Semester

Sl.No.	Course	Outcomes	
3.	**PHC 203, Optics**	**CO1.**	**Theory of Interference**
		CO 2.	**Methods of producing polarized light ,Diffraction**
		CO 3	**Scalar and vector fields, Electromagnetic theory**
		CO 4.	**Radiation laws, Laser principle and application**

IV Semester

Sl.No.	Course	Outcomes	
4.	Group I core Subject PHC 253, Electricity and X ray crystallography	CO1.	Transient currents and Network theorems
		CO 2.	To study about alternating currents and filters
		CO 3	Electrical and magnetic measurements
		CO 4.	X ray crystallography, properties and application of superconductors.
	Group II Elective PHOE 283	CO	Basics of Communication and Astronomy

V Semester

Sl.No.	Course	Outcomes	
5.	PHC 331,Modern Physics	CO1.	Dual nature of light, wave properties of particles, Schrodinger wave equation,
		CO 2.	Eigen values and Eigen functions, Different atomic models and coupling schemes,Zeeman effect
		CO 3	Study of different regions of molecular spectra,coherent and incoherent scattering
		CO 4	Raman effect, applications of Raman effect

Sl.No.	Course	Outcomes	
6.	PHC 332 Condensed matter Physics	CO1.	Statistical physics, specific heat,Quantum free electron theory of metals
		CO 2.	Hall effect ,measurement of Hall coefficient
		CO 3	Band theory of solids, semiconductors and their applications
		CO 4.	Construction and working of BJT,Hybrid parameters

VI Semester

Sl.No.	Course	Outcomes	
7.	PHC 381 Nuclear Physics	CO1.	Types of nuclear decay and spectra of Nuclear radiation and artificial Transmutation of Elements
		CO 2.	Nuclear structure and models and Nuclear Energy, Nuclear models
		CO 3	Nuclear Fission and Fusion
		CO 4.	Particle accelerators and detectors, Cosmic Rays and Fundamental Particles

Sl.No.	Course	Outcomes	
8.	PHC 382 Electronics	CO1.	Operational amplifiers, Regulated power supply and oscillators
		CO 2.	Boolean algebra, Construction and working of Logic gates, Sequential logic circuits
		CO 3	Shift registers and counters
		CO 4.	Modulation (AM and FM),Radio transmitters and receivers. Ionosphere, Mobile communication, TV transmitting and receiving

Department of Chemistry

B.Sc. PCM	Program outcome	
	After successful completion of B.Sc., PCM program, the student will be able to	
	PO-1	Uphold social and ethical responsibilities as per the college vision and mission.
	PO-2	Apply technical skills, creative mind set and logical reasoning to face competitive examinations.
	PO-3	Grab job opportunities in industries, IT field, R and D institutions.
	PO-4	Understand basic concepts, fundamental principles and scientific knowledge with their relevance in day today life.
	PO-5	Persue the higher studies and research.

B.Sc. BZC	Program outcome	
	After successful completion of B.Sc.,BZC program, the student will be able to	
	PO-1	Demonstrate and communicate their knowledge through theoretical and practical techniques.
	PO-2	Get the placement in Industries, Pharmacy, Paramedical and Agricultural fields.
	PO-3	Use current scientific literature, web search tools and computational work.
	PO-4	Use the skill and knowledge in the restoration of nature and natural resources.
	PO-5	Develop ethical awareness and social responsibilities as per the college vision and mission.

B.Sc. BCB	Program outcome	
	After successful completion of B.Sc., BCB program, the student will be able to	
	PO-1	Apply the basic and advanced knowledge on various domains of the course through an interdisciplinary learning habit.
	PO-2	Demonstrate and communicate their knowledge through theoretical and experimental techniques.
	PO-3	Plan, write, present and manage scientific projects.
	PO-4	Use current scientific literature, web search tools and computational

		work.
	PO-5	Develop ethical awareness and social responsibilities as per the college vision and mission.

B.Sc. PCM BZC & BCB	**Program specific outcome**	
	After successful completion of B.Sc., Chemistry program, the student will be able to	
	PSO-1	Gain the specific knowledge of all branches of Chemistry through theory and practical.
	PSO-2	Apply the skill and knowledge of chemistry in industries & daily life.
	PSO-3	Use chemistry in medicinal field and agriculture.
	PSO-4	Prepare laboratory reagents and solutions for experimental requirements.
	PSO-5	Use theory and practical skill for research and development.

B. Sc. Chemistry, Semester I: Course Outcome

Course	**Outcomes**	
	After completion of B.Sc. with **Chemistry** as one of the subject, students will be able to	
CH-134. Physical Chemistry	CO-1	Describe the basic concepts of Structural chemistry.
	CO-2	Predict the crystal structures by applying basic crystallographic concepts.
	CO-3	Explain liquid crystals and their technological applications.
	CO-4	Describe the properties of gases and their liquefaction.
	CO-5	Solve the problems on molecular velocities.
CH-134. Inorganic Chemistry		
	CO-1	Understand the principle and applications of physical analysis such as chromatography technique, volumetric, gravimetric and instrumental method of analysis.
	CO-2	Describe the principle and types of qualitative and quantitative analytical methods.
	CO-3	Knowledge of computation of results, statistical data interpretation, accuracy and precision, errors and its minimization.
	CO-4	Understand the characters, applications of periodic table and behavior of elements on the basis of periodic properties.
	CO-5	Determine the of ionization energy, electron affinity and electronegativity,
CH-134 Organic Chemistry		
	CO-1	Recognize aromaticity and non aromaticity of organic compounds.
	CO-2	Predict and derive mechanism of various types of organic

		reactions.
	CO-3	Provide stereochemical evidences for mechanism of nucleophilic substitution reactions.

B. Sc. Chemistry, Semester II: Course Outcome

Course	Outcomes	
	After completion of B.Sc. with **Chemistry** as one of the subject, students will be able to	
CH-184. Physical Chemistry	CO-1	Explain differential rate laws of simple chemical reactions.
	CO-2	Determine order of reactions by various methods.
	CO-3	Solve the numerical problems based on rate constant and half life period.
	CO-4	Describe the physical and chemical properties of solvents.
CH-184. Inorganic Chemistry		
	CO-1	Understand anomalous behavior of H_2, Li, Be and B with their analogues.
	CO-2	Acquire knowledge about the structure of NaH, BeH_2 , crown ethers and cryptase.
	CO-3	Describe comparative study of different compounds of alkali and alkaline earth metals.
	CO-4	Explain comparative study of standard reduction potential and reducing property of alkali and alkaline earth metals.
	CO-5	Understand types, preparation, structure, properties and bonding in compounds of p-block elements..
CH-184. Organic Chemistry		
	CO-1	Predict the mechanisms for different types of named reactions.
	CO-2	Describe the mechanism, energy profile diagram and stereochemistry of S_N^1 and S_N^2 reactions.
	CO-3	Explain the evidences, orientations and stereochemistry of E1 and E2 reactions.
	CO-4	Predict the general pattern of mechanism of electrophilic substitution in aromatic compounds.
CH-184. Industrial Chemistry	CO-1	Manufacture, properties and applications of glass, cement, ceramics, paints, refractories, cane sugar and paper.
	CO-2	Types and classification of glass, fuels, ceramics chemical fertilisers and refractories.
	CO-3	Composition, raw material, constituents of ceramics, cane sugar cements and paints.
	CO-4	Importance, production of chemical fertilizers and refractories.

B. Sc. Chemistry, Semester III: Course Outcome

Course	Outcomes	
	After completion of B.Sc. with **Chemistry** as one of the subject, students will be able to	
CH-231. Physical Chemistry	CO-1	Understand the laws of Thermodynamics.
	CO-2	Describe the concepts of Internal energy, enthalpy, entropy and free energy.
	CO-3	Explain state variables or state functions.
	CO-4	Calculate bond energy and enthalpy of formation.
	CO-5	Identify different types of liquid mixtures
	CO-6	Understand the concept of Nernst Distribution law.
CH-231. Inorganic Chemistry	CO-1	Describe the characteristic properties of d-block elements.
	CO-2	Explain the separation and properties of lanthanides and actinides.
	CO-3	Understand the manufacture of steel.
	CO-4	Synthesis, applications and advantages of nano materials.
	CO-5	Explain different concepts of acids and bases.
	CO-6	Recognize oxidation-reduction reactions and their applications.
CH-231. Organic Chemistry	CO-1	Understand the structure and acidic properties of phenol and phenoxide ion.
	CO-2	Describe the chemical reactions of ether and synthesis of epoxides.
	CO-3	Explain the structure and reactivity of carbonyl compounds.

B. Sc. Chemistry, Semester IV : Course Outcome

Course	Outcomes	
	After completion of B.Sc. with **Chemistry** as one of the subject, students will be able to	
CH-281. Physical Chemistry	CO-1	Understand the free energy concept.
	CO-2	Know the concepts of Gibb's phase rule, phase, component, degrees of freedom and phase diagram.
	CO-3	Describe adsorption process. Differentiate between adsorption and absorption
	CO-4	Prepare solutions of required concentration.
	CO-5	Determination of molecular weights based on colligative properties.
	CO-6	Relationship between. Molecular structure and physical properties.
	CO-7	Basic principles of refractometry and use of refractometers
CH281 Inorganic		

Chemistry		
	CO-1	Predict the nomenclature of different Co-ordination compounds.
	CO-2	Understand and identify the types of isomerism of Co-ordination compounds with coordination number 4 and 6.
	CO-3	Describe VBT, CFT and their applications, limitations with different examples of Co-ordination compounds.
	CO-4	Explain stabilization energy, stability, property and splitting of octahedral, tetrahedral and square planar complex on the basis of CFT.
CH281.Organic Chemistry		
	CO-1.	Explain synthetic applications of reactive methylene compounds.
	CO-2	Predict energy profile diagrams, stereochemistry and factors affecting S_N^1 and S_N^2 reactions.
	CO-3	Understand the aromatic electrophilic substitution reaction mechanism and its energy profile diagram.

B. Sc. Chemistry, Semester V: Course Outcome

Course	Outcomes	
	After completion of B.Sc. with **Chemistry** as one of the subject, students will be able to	
CH-307 &308 Physical Chemistry	CO-1	Understand the basic principles of electrochemistry.
	CO-2	Determine equivalent conductance and its applications.
	CO-3	Explain conductometric and potentiometric titrations
	CO-4	Describe reference electrodes and their uses.
	CO-5	Explain rotational and IR spectroscopy and their applications.
	CO-6	Understand theories, concept of polarisability, slection rules of rotational vibrational Raman spectroscopy.
	CO-7	Recognize types of coupling, term symbol generated by ligand in d^n system
	CO-8	Understand electronic spectra, selection rule and orgel diagram in d^n system of transition spectra
	CO-9	Describe general principle, instrumentation, interferences and applications of flame photometry.
	CO-10	Understand theory, importance of different elementary quantum mechanics and quantum numbers.
CH-307 &308 InorganicChemistry		
	CO-1	Understand principle, instrumentation, applications and nature of curves in TGA, DTA and DTG.
	CO-2	Describe structure, function, biological process and role of inorganic elements in biological system.
	CO-3	Explain the applications of metal complexes and complexation.
	CO-4	Understand the thermodynamic and kinetic aspects of metal complexes.
	CO-5	Explain the types of magnetic phenomena.
CH-307 &308 Organic Chemistry		
	CO-1	Understand definition, nomenclature, classification, bonding in

		organometallic compounds.
	CO-2	Describe preparation, properties, bonding and applications of alkynes, aryls, and metal carbonyls.
	CO-3	Understand hydroformylation, oxidation, and synthesis of different organo metallic compounds.
	CO-4	Explain classification, nomenclature, synthesis, reaction mechanism, molecular orbital and aromaticity of heterocyclic compounds.
	CO-5	Understand the concept of isomers and mesocompounds.

B. Sc. Chemistry, Semester VI: Course Outcom

Course	**Outcomes**	
	After completion of B.Sc. with **Chemistry** as one of the subject, students will be able to	
CH-357 & 358 Physical Chemistry	CO-1	Describe the use of colorimetry and spectrophotometry and their applications.
	CO-2	Explain the principle, instrumentation and applications of UV spectroscopy.
	CO-3	Describe the principle, instrumentation of NMR spectroscopy and analyse the NMR spectra of some compounds.
	CO-4	Explain the principle, instrumentation of PES spectroscopy and analyse the PES spectra of some compounds.
	CO-5	Understand the principle, instrumentation and applications of mass spectroscopy.
	CO-6	Recognize the rules followed and meclafferty rearrangement in mass spectra.
	CO-7	Explain the photochemical reactions and laws of photochemistry.
	CO-8	Describe the theory and practice of common photochemical and photophysical methods.
	CO-9	Describe industrial applications of radiation and nuclear chemistry.
CH-357 & 358 Organic Chemistry		
	CO-1	Understand the synthesis and mode of action of drugs & chemotherapeutic agents.
	CO-2	Describe the synthesis and properties of pesticides, fungicides and herbicides.
	CO-3	Understand structural elucidation, method of isolation, classification of terpenes.
	CO-4	Determine ring size of monosaccharides and their inter conversions.
	CO-5	Explain classification, properties and physiological activity of alkaloids.
	CO-6	Describe the structure and reactions of carboxylic acids and their derivatives.
CH-357 & 358 Inorganic Chemistry	CO-1	Understand composition, refining, isomerisation, reforming, cracking, alkylation, synthesis of petroleum and petrochemicals.
	CO-2	Explain the preparation, properties, structure and applications of inorganic polymers.
	CO-3	Describe the classification and applications of composites in industry.
	CO-4	Explain the preparation, properties, applications and advantages of synthetic polymers.

DEPARTMENT OF ZOOLOGY

Programmes offered

B.Sc.-(Botany, Chemistry, Zoology)

Pos:-

- After successful completion of BSc (BZC) programme the students are able to
  1. Demonstrate and communicate their knowledge through theoretical and practical techniques.
  2. Get the placement in Industries, Pharmacy, paramedical and agricultural fields.
  3. Use current scientific literature, web search tools and computational work.
  4. Use the skill and knowledge in the restoration of Nature and Natural resources.
  5. Develop ethical awareness and social responsibilities as per the college vision and mission.

PSos:-

- Zoology Department offers the academic and professional skills to students. The practicals associated with the subject helps to develop the deep knowledge in all disciplines of Zoology for further studies & research.
- By different mode of teaching students develop basic competency in communication skill, critical thinking, analytical reasoning, problem solving and research techniques.
- Study of Zoology helps students to understand unity in diversity of life and ecological and evolutionary significance of different animals.
- They are able to undertake self employment such as aquaculture, aquarium fish keeping, poultry, dairy, apiculture or vermicomposting scientifically.
- By involving in the study of biodiversity and green audit of the campus, our students are aware of the benefits of biodiversity and challenges in its conservation.

Cos:-

Course	Outcomes	Assessment
BSc –Zoology - I semester Animal diversity -1	• Study of animal taxonomy empowers the students in identifying and listing the common animals and their role in the food chain and food web. • Students involved in the inventory & documentation of campus biodiversity as a part of green audit of the	Home assignments, Seminars, science articles writing, field oriented projects, unit tests, internal and semester examinations
BSc –Zoology - II semester Animal diversity -2		

	campus.	
BSc –Zoology - III semester Physiology, Biochemistry and Immunology	• Students are able to understand the life processes, homeostatic functioning of the various organ systems in organisms. • They are able to analyze the causes and symptoms of various diseases and also identify preventive measures.	Home assignments, Seminars, science articles writing, field oriented projects, unit tests, internal and semester examinations
BSc –Zoology - IV semester Histology, animal behavior, applied Zoology	• It makes them to know about the structural organization of the animal body and functioning of the tissues and cells. • Students know the innate and learned responses of the animals for the external and internal stimulus. • Study of applied Zoology train the students in taking up agro based activities such as dairy, poultry, aquaculture and vermicomposting,	Home assignments, Seminars, science articles writing, field oriented projects, unit tests, internal and semester examinations
BSc –Zoology - V semester Cell Biology & Biotechnology,	• Students learn the cell functions in the body and the abnormalities in cases of various ailments • They learn the application of biotechnology in agriculture & medical science.	Home assignments, Seminars, science articles writing, field oriented projects, unit tests, internal and semester examinations
BSc –Zoology - V semester Genetics , Biostatistics, Evolution and paleontology.	• Students know the relative similarities and differences between the organisms which will help to trace out organic evolution. • They are able to analyze the causes and symptoms of various genetic diseases and also perceive the preventive measures.	Home assignments, Seminars, science articles writing, field oriented projects, unit tests, internal and semester examinations
BSc –Zoology - VI semester Reproductive Biology & developmental	• Students study the various forms of reproduction and development and of different	Home assignments, Seminars, science articles writing

Biology	organisms and their advantages in the nature. • Study of embryology makes them to know the serial evolution.	field oriented projects, unit tests, internal and semester examinations
BSc –Zoology - VI semester Environmental Biology and wild life Biology	• Students know the hazardous effects of pollution and adopt control measures. • They study the various environmental conservation programmes on the basis of diversity and distribution of world wild life. • They learn the need for wild life conservation and environment protection.	Home assignments, Seminars, science articles writing, field oriented projects, unit tests, internal and semester examinations

Department of Biotechnology

B. Sc BCB	**Program outcomes**	
	After successful completion of the B. Sc BCB program, the students will be able to:	
	PO-1	Apply basic and advanced knowledge on various domains of the course through an interdisciplinary learning habit.
	PO-2	Demonstrate and communicate their knowledge through theoretical and experimental techniques.
	PO-3	Plan, write, present and manage scientific projects.
	PO-4	Use current scientific literature, web search tools, and computational work.
	PO-5	Gain awareness of career options in the biological sciences due to the exposure provided to the students during the program duration.
	PO-6	Develop ethical awareness and social responsibilities.

B.Sc. BCB	**Program-specific outcomes**	
	After completion of B.Sc. with Biotechnology as one of the subjects, students will be able to	
	PSO-1	Apply knowledge of Biotechnology to solve problems in different fields such as Medicine, Agriculture, Fermentation technology, Food processing, and Environment, and also develop entrepreneurial ideas.
	PSO-2	Demonstrate proficiency in basic laboratory skills like preparation of solutions and culture media, handling of equipment, aseptic techniques, micro pipetting, maintaining scientific laboratory manuals.
	PSO-3	Perform, and analyze results of experiments using basic laboratory techniques in molecular biology and recombinant DNA technology, like agarose and polyacrylamide gel electrophoresis, restriction

		enzyme digestion, bacterial transformations and PCR, immunology, and plant tissue culture.
	PSO-4	To provide students with concepts and research approaches for their higher career in the field of biotechnology and develop their scientific interests.
	PSO-5	Awareness of the impact of biological needs in the global, economic and environmental context.

I Semester

Sl.No.	**Course**	**Course outcomes**	
1.	**Biochemistry & Biophysics BSCBTV – 131 (theory)**	**CO-1**	Students get exposed to the importance of different biomolecules by principles of biophysics. Concepts of chemical bonding
		CO-2	They gain knowledge about chemical bonds and the clinical importance of enzymes
		CO-3	To understand general aspects of buffers, Laws of thermodynamics
		CO-4	Assess the importance of various biophysical techniques
	BT132 (practical)	**CO-1**	They will have a thorough understanding of practical having hands-on techniques like Chromatography, colorimeter, electrophoresis, centrifugation, microscopes, preparation of chemicals, etc.
		CO-2	Perform quantitative and qualitative estimation of biomolecules.

II Semester

Sl.No.	**Course**	**Course outcomes**	
2.	**Cell biology and genetics BSCBTV – 181 (theory)**	**CO-1**	To understand the basic unit of the organism and differentiate the organisms by their cell structure.
		CO-2	To know Components of the Cell and their division.
		CO-3	To understand extranuclear inheritance, linkage & crossing over. Study of chromosomes and explain the arrangement of genes and their interaction
		CO-4	To describe the influence of environment on gene expression.
	BT-182 (practical)	**CO-1**	They will have a thorough understanding of both practical aspects of the paper like stages of cell divisions, RBC/WBC counting, Study of Drosophila, genetic problem, etc.

III Semester

Sl.No.	**Course**	**Course outcomes**

3.	**Microbiology and Immunology BSCBTV – 201 (theory)**	**CO-1**	The student will be able to understand microbial diversity, classification physiology, and nutrition.
		CO-2	Microbial isolation techniques, media preparation microbial interactions
		CO-3	Understand the principles of immunology & methods of studying immune reactions
		CO-4	To get insight into Primary and Secondary organs of the Immune system.
		CO-5	To explain cell-mediated immunity, Monoclonal antibody production, and Hypersensitivity.
	BT- 202 (practical)	**CO-1**	They will have a thorough understanding of both practical aspects of the paper like isolation and staining of microorganisms from different sources, Antibiotic sensitivity, Blood grouping, ELISA, Immunodiffusion studies, etc.

IV Semester

Sl.No.	**Course**	**Course outcomes**	
4.	**Molecular Biology andRecombinant Technology BSCBTV – 281 (theory)**	**CO-1**	To study basics of molecular biology like replication, transcription
		CO-2	Understand concepts of protein synthesis, transposons, gene expression
		CO-3	To get insight into recombinant DNA technology and tools of genetic engineering
		CO-4	To understand application rDNA technology and their drawback and different blotting techniques
	BT-282 (practical)	**CO-1**	They will have a thorough understanding of both practical aspects of the paper like isolation and quantitative estimation of DNA and RNA from a different source, Electrophoresis, etc.

V Semester

Sl.No.	**Course**	**Course outcomes**	
5.	**Plant biotechnology BSCBTV – 331 (theory)**	**C0-1**	To introduce students to the principles, practices, and applications of plant biotechnology, plant tissue culture, genetic transformation, and molecular breeding of plants
	BT-333 (practical)	**C0-1**	They will have a thorough understanding of both practical aspects of the paper-like plant tissue culture laboratory setup, media preparation, sterilization, culturing different explants, etc.

Sl.No.	**Course**	**Course outcomes**	
6.	**Animal Biotechnology BSCBTV – 332 (theory)**	**C0-1**	To introduce students to the principles, practices, and applications of animal biotechnology in tissue culture engineering, vaccines & biopharmaceuticals

	BT-334 (practical)	**C0-1**	They will have a thorough understanding of both practical aspects of the paper like laboratory setup, fumigation, media preparation, explant cultures, bone marrow isolation, viability count, Trypan blue dye exclusion, etc.

VI Semester

Sl.No.	**Course**	**Course outcomes**	
7.	**Environmental biotechnology BSCBTV – 381 (theory)**	**CO-1**	The course will introduce major groups of microorganism's tools in biotechnology and their most important environmental applications
		CO-2	Describe the concept of pollution management
		CO-3	Apply the concepts of Biotechnology in Environmental Management.
	BT-383 (practical)	**CO-1**	They will have a thorough understanding of both practical aspects of the paper like the estimation of BOD, COD, alkalinity, salinity, hardness, Total solid, Nitrogen, ammonium dissolved oxygen, and carbon dioxide of different water samples, etc.

Sl.No.	**Course**	**Course outcomes**	
8.	**Biostatistics and Bioinformatics BSCBTV - 382**	**CO-1**	Students will be able to acquire concepts of differential equations and calculus needed for solving the problem in all biotechnology.
		CO-2	To use statistical knowledge to analyze the experimental results
		CO-3	To know the Interaction of Computer and Biology.
		CO-4	To understand the Knowledge about Protein and Genome Databases, data Retrieval tools and its Utilizations and Applications of Bioinformatics in drug designing and Drug Discovery
	BCB: Sixth semester Project BSCBTP – 384	**CO-1**	The purpose of this course is to help students organize ideas, materials, and objectives for their dissertation and begin the development of communication skills, and to prepare the students to prepare their topic of research and explain its importance.

Sl.No.	**Course**	**Course outcomes**	
9	**Advanced Biotechniques**	**CO-1**	Understand the basic concepts of Electrophoresis techniques.
		CO-2	To obtain a detailed account of advanced electrophoresis techniques like SDS PAGE, Isoelectric focusing, etc.
		CO-3	Get detailed aspects of isoelectric tracer

			techniques.
		CO-4	Students can also get knowledge about the application of tracer techniques in different fields of biological sciences.

Department of Botany

Programmes offered: B.Sc. ZBC

Program outcomes: After successful completion of B.Sc. ZBC programme, students will be able to:-

P.O.1: To demonstrate and communicate their knowledge through theoritical and practical techniques.
P.O.2: Get the placement in industries, pharmacy, paramedical and Agricultural fields.
P.O.3: Use current scientific literature, web search tools and computation work.
P.O.4: Use skill and knowledge in restoration of nature and natural resources.
P.O.5: Develop ethical awareness and social responsibilities as per vision and Mission.

Programmes offered: B.Sc. BCB

Program outcomes: After successful completion of B.Sc. BCB programme, Students will be able to:-

P.O.1: Apply the basic and advanced knwoledge on various domains of the course through an interdisciplinary learning habit.
P.O.2: Demonstrate and communicate their knowledge through theoritical and Experimental techniques.
P.O.3: Plan, write, present and manage the scientific projects.
P.O.4: Use current scientific literature, web search tools and computational work.
P.O.5: Develop ethical awareness and social responsibilities.

Programme Specific Outcomes: PSOs

By the completion of B.Sc. Degree, Students will be able to:-

P.S.O. 1: Identify the algal specimens, fungal specimens and Pathological aspects of cash crops.
P.S.O. 2: Analyze Physiological activities of plants.
P.S.O.3: Analyze the applied aspects of Ecology, particularly Conservation of Natural resources.
P.S.O. 5: Handling of plant specimens and preparation of dried herbarium specimens
P.S.O. 6: Acquire the traditional knowledge of herbal medicine.
P.S.O.7: Apply the knowledge of Plant Science to solve the problems in Agriculture.
P.S.O.9: Familiarize in identification of plants according to Gamble norms.

DEPARTMENT OF BOTANY – COURSE OUTCOMES – CREDIT BASED SEMESTER (2016- 2019)

B. Sc. Course I semester: Protophyta and Phycology Course outcomes: By the end of this course, the students will be able to • Understand the discovery, nomenclature, morphology of viruses, life cycle of bacteriophage, infectivity symptoms of plant viral diseases with examples. • Students were able to study nature, structure, reproduction of mycoplasma. • Get the detailed account on discovery, distribution, morphology of bacteria and its reproduction. • Describe the General characteristics, thallus construction and reproduction of Cyanobacteria. • Able to describe the salient features of algae, it's reproduction and life cycle. • Analyze the economic importance of bacteria and algae.	Assessment is done through Internal test, practical exam and University Examination.
B. Sc course: I Semester Lab. Course outcomes: By the end of this course, the students Will be able to • Understand the microscopy techniques - working principles and methods of using. • Understand the basic techniques in lab eg; slide preparations and section cuttings. • Differentiate the bacterial cells by simple staining and gram staining techniques. • Able to study the bacterial motility by hanging drop techniques. • Prepare the temporary mountings of algal specimens for identification purpose.	Assessment is done through Internal test, practical exam and University Examination.
B. Sc. Course II semester: Mycology, Plant pathology and Bryophyta. Course outcomes: By the end of this course, the students will be able to • Get detailed account of fungal classification, salient features, structures and reproduction. • Get the detailed account on General characteristics, structure, nutrition and reproduction of Lichens. • Students were able to understand Etiology, symptoms, transmission of various fungal diseases in plants. • Get brief account of seed borne diseases. • Understand the various methods of disease management in plants. • Able to describe salient features, classification, reproduction and significance of Bryophytes. • Analyze the economic importance of Fungi, Lichens and Bryophytes.	Assessment is done through Internal test, practical exam and University Examination.
B. Sc. Course: SEM - II Lab. Course outcomes: By the end of this course, the students will be able to (1) Differentiate fungal specimens by simple mounting techniques. (2) Demonstrating the growth of fungus on different substratum. (3) Students were able to identify different fungal groups during field study. (4) Identity and understand the various fungal diseases of plants.	Assessment is done through Internal test, practical exam and University

(5) Able to study identification, morphology of Bryophytes by simple mounting techniques.	Examination.
B. Sc. Course III semester: Pteridophyta, Gymnosperms, Histology and Anatomy. Course outcomes: By the end of this course, the students will be able to (1) Understand the salient features, classification, morphology, anatomy and reproduction of Pteridophytes. (2) Get the detailed account on salient features, classification, morphology, anatomy and reproduction of Gymnosperms. (3) Students get detailed aspects of Histology, anatomy of plant tissues. (4) Analyze the basic concepts of tissue organization and it's types. (5) Students were able to understand secondary growth in dicot stem and root. (6) Students get detailed account on annual rings, heart and sap wood, bark and lenticels.	Assessment is done through Internal test, practical exam and University Examination.
B. Sc. Course: SEM - III Lab. Course outcomes: By the end of this course, the students will be able to • Understand the morphology, stem anatomy and strobilus of particular species of Pteridophytes by using permanent slides and chart. • Able to identify Pteridophytes members by simple mounting techniques. • Identify and understand members of Gymnosperms. • Able to study the structure of plant tissues from locally available plant materials. • Able to understand anatomy and tissue organization in dicot and monocot root, stem and leaf by dissection techniques.	Assessment is done through Internal test, practical exam and University Examination.
B. Sc. Course IV semester: Cell Biology, Molecular Biology and Genetics. Course outcomes: By the end of this course, the students will be able to • Understand the basic structure of plant cell, structure and functions of different cell Organelles. • Able to understand chromosome morphology and karyotype. • Get detailed account on cell division and its significance. • Analyze the structure and chemistry of the genes. • Understood the basic concepts of genetics by studying the Mendelian principles of inheritance. • Get detailed account on sex determination in plants. • Analyze the genetic inheritance through gene interactions. • Describe the Ploidy, Chromosomal aberrations and Gene mutations.	Assessment is done through Internal test, practical exam and University Examination.
B. Sc. Course: SEM - IV Lab. Course outcomes: By the end of this course, the students will be able to **1.** Understand the structure of cell organization using light microscopy. **2.** Study the ergastic substances by simple mounting techniques.	

3. Able to identify different stages of mitosis by squash preparation techniques. **4.** Identify the stages of meiosis using permanent slides. **5.** Analyze the various genetic inheritances by solving the genetic problems. **6.** Development skill towards preparation of double stained free hand sections of stem, root and leaf materials.	Assessment is done through Internal test, practical exam and University Examination.
B.Sc Course V semester: Plant physiology- I and Ecology - I. Course outcomes: By the end of this course, the students will be able to • Understand the basic concepts of plant physiology like plant water relations, physical concepts of absorption, mechanism of water absorption. • Get detailed account on ascent of sap. • Able to understand the concept of transpiration, mechanism of stomatal movement and guttation. • Get detailed account on mineral nutrition and its absorption mechanism in plants. • Able to describe the plant enzymes and its properties. • Students were able to understand metabolism concepts in plants by studying brief account on Carbohydrates, Nitrogen and Fat metabolism. • Understand the detailed aspects of plant ecology it consists various ecological factors, types of ecosystem and plant succession.	Assessment is done through Internal test, practical exam and University Examination.

Programme Outcomes for BSc PMC - Choice Based Credit System(CBCS) 2019-2020

After successful completion of three year degree program in PMC a student must be able to
PO-1 Uphold the social and ethical responsibilities as per college vision and mission
PO-2 Apply technical skills, creative mindset, logical reasoning to face the competitive exam confidently.
PO-3 Grab job opportunities in industries, research and development institutions, IT field
PO-4 Understand basic concepts, fundamental principles and scientific knowledge with their relevance in day to day life
PO-5 To pursue higher studies and research
PO-6 Students will have applied knowledge of computing to design, implement and evaluate computational problems

Program specific outcome

After completion of B.Sc. with Physics as one of the subject, students
PSO-1 Acquire in depth theoretical and experimental knowledge of all branches of physical science
PSO-2 Explores knowledge in the field of Radiation, Biophysics, Astrophysics, electronic and communication, material physics etc
PSO-3 Have scope in reputed research institutes for higher studies
PSO-4 Recognize the real world problems related to mathematical analysis and formulate scientific models
PSO-5 Enhance aptitude solving capabilities and improve logical skills and reasoning power

Sl No	Course Name	Course Learning Outcome	Assessment
1	Digital Computer Fundamentals	• Know the concept of computer and peripherals. • Understand the usage of number system and Boolean algebra in computers.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	Digital Logic and MS Office Lab	• Design and implement hardware circuit to test performance and application • Describe and explain the operation of fundamental digital gates • Analyze the operation of combinational circuits and sequential circuits . • Demonstrate the basic technicalities of creating Word documents and spreadsheet for office use.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
3	Computer Network and Security	• Basics of components of Network and Internet. • Basics of Internet technology, such as http and the World Wide Web and internet applications. • Concepts of information security, cyber security and Overview of Emerging Technologies	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	Open Source Software	• Familiar with open source software products and development tools currently available in the market. • Be able to utilize open source software for developing a variety of software applications, particularly Web applications.	Unit exercises, home assignment, classroom activities, internal and semester examinations

Programme: B.Sc. PMC		Semester : 2	
Sl No	Course Name	Course Learning Outcome	Assessment
1	Problem Solving using C Language	• Upon successful completion of the course the student will be able to: • Write the algorithm and flowcharts to solve a problem. • Write the C programs for a particular problem.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	C Programming Lab	• Implement real time applications using the power of C language features. • Acquire logical thinking, Implement the algorithms and analyze their complexity, Identify the correct and efficient ways of solving problem. • Develop programs using the basic elements like control statements, Arrays and Strings • Enable effective usage of arrays, structures, functions and pointers. • Implement files and command line arguments	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination

3	Cloud Computing	• Know the concept of cloud computing, historical development of cloud computing, advantages and disadvantages of Cloud Computing. • Know the areas of Cloud applications and its architecture.	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	Data Mining with R	• Ability to identify the characteristics of datasets • Ability to select and implement data mining techniques in R suitable for the applications under consideration. • Ability to recognize and implement various ways of selecting suitable model parameter for different machine learning techniques.	Unit exercises, home assignment, classroom activities, internal and semester examinations

Programme: BSC		Semester : 3	
Sl No	Course Name	Course Learning Outcome	Assessment
1	Data Structures	• To solve the problems using data structures such as stacks, queues, trees, linked lists and graphs and writing programs for these using C language.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	Data structures Lab	• The course is designed to develop skills to design and analyze simple linear and non linear data structures. • Development of programs to understand the concepts of searching and sorting techniques. • It strengthen the ability to the students to identify and apply the suitable data structure for the given real world problem. • It enables them to gain knowledge in practical applications of data structures	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
3	System Administration and Maintenance	• Understand how the most common infrastructure services that keep an organization running work, and how to manage infrastructure servers • Understand how to make the most of the cloud. • manage computers and users using the directory services, Active Directory, and OpenLDAP • utilize systems administration knowledge to plan and improve processes for IT environments	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	Desktop Publishing	• able to create and format the document using the PageMaker and CorelDraw panel. • able to install and manage the Linux operating	Unit exercises, home assignment, classroom activities,

		systems.	internal and semester examinations

Programme: BSC		Semester : 4	
Sl No	Course Name	Course Learning Outcome	Assessment
1	Operating Systems and LINUX	• Upon successful completion of the course the student will be able to: • understand the concepts of operating system, resources of operating system • understand the management of memory, processor and devices and files. understand Linux environment, commands and shell programming.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	LINUX Lab	• Understand and execute basic commands of shell scripts. • Design communication mechanisms pipe on linux • Identify and understand concept of file systems in shell script. • Apply basic operations in shell scripts which are required for different applications.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
3	Fundamentals of Information Technology	• be able to know the functional units of computer, Input/output devices, storage devices • be able to know the computer software, network, Internet usage and cyber security issues.	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	Office Automation Tools	• be able to use the computer with the knowledge of windows operating systems • be able to use the MS office tools like Word, excel and PowerPoint.	Unit exercises, home assignment, classroom activities, internal and semester examinations

Programme: B.Sc. PMC		Semester : 5	
Sl No	Course Name	Course Learning Outcome	Assessment
1	DATABASE CONCEPTS AND ORACLE	• Understand the concepts of database, its models, relational model, relational algebra and design theory of relational database. • Create tables, joining the tables, writing SQL queries and writing PL/SQL programs	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	MICROPROCESSOR ARCHITECTURE AND 8086 PROGRAMMING	• Upon successful completion of the course the student will be able to: • Understand the architecture of 8086 processor, addressing modes. Understand the directives and	Unit exercises, home assignment, classroom activities, internal and semester examinations

		instructions of 8086, interrupts and its services • Write the 8086 programs.	
3	Web Development Using PHP	• Design and publish static and dynamic web pages • Develop database application using PHP • Build a simple, yet functional web application using PHP/MySQL.	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	Oracle and 8086 Programming Lab	• Student will able to identify the basic concepts and various data model used in database design ER modelling concepts and architecture use and design queries using SQL • Student will able to formulate query using SQL, solutions to problems. • Use a desktop database package to create, populate, maintain, and query a database. • An ability to use current techniques, skills and tools necessary for computing. • Student will able to describe the architecture and organization of microprocessor along with instructions set. • Design and implement programs on 8086 microprocessor. • To Understand the concepts related to I/O and memory interfacing • Identify the addressing mode of an instruction.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
5	Oracle and Web design Lab	• Student will able to identify the basic concepts and various data model used in database design ER modelling concepts and architecture use and design queries using SQL • Student will able to formulate query using SQL, solutions to problems. • Use a desktop database package to create, populate, maintain, and query a database. • An ability to use current techniques, skills and tools necessary for computing. • Create PHP programs that use various php library functions and that manipulate files and directories. • Analyze and solve various database tasks using PHP language • Able to write PHP scripts to handle HTML forms • Analyze and solve common web application tasks by writing PHP programs	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination

Programme: BSC		Semester : 6	
Sl No	Course Name	Course Learning Outcome	Assessment
1	Object Oriented Programming with JAVA	• Understand the concepts of OOP and Java fundamentals. • Write the Java programs using the concepts of inheritance, interfaces, packages, multithreading and applets.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	VISUAL BASIC.NET PROGRAMMING	• To develop skill in VB.NET framework, tools, programming and connectivity with databases	Unit exercises, home assignment, classroom activities, internal and semester examinations
3	Java Programming and Computer Graphics lab	• To develop skill in VB.NET framework, tools, programming and connectivity with databases.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
4	Java Programming and Visual Basic Lab	• 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. • Design, formulate, and construct applications with VB.NET. • Integrate variables and constants into calculations applying VB.NET. • Determine logical alternatives with VB.NET decision structures. • Implement lists and loops with VB.NET controls and iteration.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination

Programme Outcomes for BCA - Choice Based Credit System 2019-2020

After successful completion of BCAdegree programme:

P.O.1: Student willhave beenarmedfor roles pertaining to computer applications and IT industry.

P.O.2: Student will have earned programming skills, networking skills and will havelearnt applications, packages, programming languages and modern techniques of IT.

P.O.3: Student will have cultivated skills in programming languages such as Java, C++, HTML, SQL, ASP.net, C#, Python etc…

P.O.4: Student will have been equipped to enhance knowledge in the topics of IT like networking, computer graphics, web development, trouble shooting, and hardware and software skills.

P.O.5: Student willhave been preparedfor diverse opportunities in IT industry and higher education to go ahead and shine in their lives.

Programme : BCA		**Semester :1**	
SlNo	Course Name	Course Learning Outcome	Assessment
1	FUNDAMENTALS OF INFORMATION TECHNOLOGY	• Able to identify various devices and their working principles.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	PROBLEM SOLVING USING C	• To apply programming knowledge to create solutions to challenging problems, including specifying, designing, implementing and validating solutions for new problems.	Unit exercises, home assignment, classroom activities, internal and semester examinations
3	COMPUTER ORGANISATION	• To apply programming knowledge to create solutions to challenging problems, including specifying, designing, implementing and validating solutions for new problems.	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	OFFICE AUTOMATION LAB	• Demonstrate the basic technicalities of creating Word documents for office use. • Create and design a spreadsheet for general office • Demonstrate the basic technicalities of creating a PowerPoint presentation. • Demonstrate the practices in data & files management	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
5	C Programming Lab	• Implement real time applications using the power of C language features. • Acquire logical thinking, Implement the algorithms and analyze their complexity, Identify the correct and efficient ways of solving problem. • Develop programs using the basic elements like control statements, Arrays and Strings • Enable effective usage of arrays, structures, functions and pointers. • Implement files and command line arguments.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
6	Internet Basics &	Understand features of Internet	Unit exercises, home

	HTML	and email • Develop Simple web pages using HTML & Style Sheets	assignment, classroom activities, internal and semester examinations
7	CLOUD COMPUTING	• Know the concept of cloud computing, historical development of cloud computing, • Advantages and disadvantages of Cloud Computing. • Know the areas of Cloud applications and its architecture.	Unit exercises, home assignment, classroom activities, internal and semester examinations

P.O.6: Student will have developed competence, skill and attitudes for securing job opportunities like software programmer, system and network administrator, web designer, faculty for computer science and computer applications.

P.S.O.1: Programme will have producedknowledgeable and skilled human resources who are employable in IT industry.
P.S.O.2: Programme will have imparted knowledge required for planning, designing and building Complex Application Software Systems
P.S.O.3: Programme will have produced entrepreneurs who developed customized solutions for small and medium Enterprises.

Programme: BCA		**Semester :2**	
SlNo	Course Name	Course Learning Outcome	Assessment
1	BASIC MATHEMATICS	• Students will understand the foundations of mathematics, Perform computations in mathematics Develop problem-solving skills required for Computer Applications.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	OBJECT ORIENTED PROGRAMMING USING C++	• On Completion of Course students will understand how to apply the major object-oriented concepts to implement object oriented programs in C++.	Unit exercises, home assignment, classroom activities, internal and semester examinations
3	C++ LAB	• Implement the concepts of object oriented programming. • Apply string functions to perform operator overloading. • Demonstrate virtual functions and inheritance.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
4	Database Concepts and Oracle	The student will be able: • To describe data models and schemas in DBMS • To understand the features of database management systems and Relational database. • To Demonstrate an understanding of the relational data model and use SQL.	Unit exercises, home assignment, classroom activities, internal and semester examinations

		• To understand the functional dependencies and use SQL solutions to a broad range of query and data update problems.	
5	DBMS Lab	• Student will able to identify the basic concepts and various data model used in database design ER modeling concepts and architecture use and design queries using SQL • Student will able to formulate query using SQL, solutions to problems. • Use a desktop database package to create, populate, maintain, and query a database. • An ability to use current techniques, skills and tools necessary for computing.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
6	Internet of Things	• Students will be fully aware of Technology behind IoT, Design Principles for Connected devices,IoT communication protocols and internet based communication.	Unit exercises, home assignment, classroom activities, internal and semester examinations
7	Big Data Analytics	At the end of the course the students will be understand: • Basic Concept of Big Data • Hoop Ecosystem , Role of H-base and Map-Reduce Frame work	Unit exercises, home assignment, classroom activities, internal and semester examinations
8	Artificial Intelligence	• Aware various searching techniques, constraint satisfaction problem and example problems. • Able to apply these techniques in applications which involve perception, reasoning and learning. • knowledge of real world Knowledge representation	Unit exercises, home assignment, classroom activities, internal and semester examinations

Programme: BCA		Semester :3	
Sl No	Course	Course Learning Outcome	Assessment
1	OPERATING SYSTEM & LINUX	• At the end of the course students will able to Analyze the structure of OS and basic architectural components involved in design Analyze the various resource management techniques conceptualize the components involved in designing a contemporary OS • Learn Linux Operating system basics	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	DATA STRUCTURES	• To describe the usage of various data structures • To choose the appropriate data structure to solve a programming problem • To demonstrate various methods of organizing large amounts of data	Unit exercises, home assignment, classroom activities, internal and semester examinations
3	VISUAL BASIC .NET PROGRAMMING	• To develop skill in VB .NET framework, tools, programming and connectivity with databases.	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	Operating Systems and Data Structure Lab	• Understand and execute basic commands of shell scripts. • Design communication mechanisms pipe on linux • Identify and understand concept of file systems in shell script. • Apply basic operations in shell scripts which are required for different applications. • The course is designed to develop skills to design and analyze simple linear and non linear data structures. • Development of programs to understand the concepts of searching and sorting techniques. • It strengthen the ability to the students to identify and apply the suitable data structure for the given real world problem. • It enables them to gain Unit exercises, home assignment, classroom activities, internal and semester examinations knowledge in practical applications of data structures	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
5	VB .NET Lab	• Design, formulate, and construct	Writing the observation book, Executing the programs, Lab test,

		applications with VB.NET. • Integrate variables and constants into calculations applying VB.NET. • Determine logical alternatives with VB.NET decision structures. • Implement lists and loops with VB.NET controls and iteration.	Lab Internal exam and Semester lab examination
6	HARDWARE AND PC MAINTENANCE	• At the end of the course students will fully aware of • Assembling Computer Systems • Installing Various Operating Systems and other software's • Trouble suiting Computer Systems	Unit exercises, home assignment, classroom activities, internal and semester examinations
7	DESKTOP PUBLISHING	• At the end of the course the students will be able to produce documentation with combination of Text, Audio, Video and Images in standard format	Unit exercises, home assignment, classroom activities, internal and semester examinations

Programme: BCA		Semester :4	
Sl.No.	Course Name	Course Learning Outcome	Assessment
1	Computer Graphics and Animation	• Students are able to draw primitive graphical shapes and perform transformation techniques programmatically. They are also learning about various new technologies developed and their applications.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	Java Programming	• At the end of the course the students will be able to • Know the structure and model of the Java programming language • Use the Java programming language for various programming technologies • Develop software using the Java programming language • Choose an engineering approach to solving problems, starting from the acquired knowledge of programming and knowledge of operating systems.	Unit exercises, home assignment, classroom activities, internal and semester examinations
3	Data Mining	• Various Data Mining concepts, Association rules and Clustering	Unit exercises, home assignment, classroom activities, internal and

		techniques, Web mining Concepts & Decision tress. • Ability to select and implement data mining techniques suitable for the applications under consideration.	semester examinations
4	COMPUTER ORIENTED NEUMARICAL ANALYSIS	• solve an algebraic or transcendental equation using an appropriate numerical method • solve a differential equation using an appropriate numerical method • solve a linear system of equations using an appropriate numerical method • Apply Numerical Concepts in coding	Unit exercises, home assignment, classroom activities, internal and semester examinations
5	Business Mathematics & Statistics	This foundation will help students in understanding analytical procedures used in Business Analytics.	Unit exercises, home assignment, classroom activities, internal and semester examinations
6	Computer Graphics and Animation Lab	• Experiment with the geometric transformations and different algorithms for viewing and clipping in two dimensional graphics related problems. • Implement image manipulation and enhancements. • Create 2D animations using tools.	Writing the observation book Executing the programs, Lab test, Lab Internal exam and Semester lab examination
7	JAVA Lab	• 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	Writing the observation book Executing the programs, Lab test, Lab Internal exam and Semester lab examination
8	Fundamentals of ICT	• Be able to apply knowledge of computing analyze a problem, and identify and define the computing requirements appropriate to its solution. • Be able to design, implement, and evaluate a computer based system, process, component, or program to meet desired needs	Unit exercises, home assignment, classroom activities, internal and semester examinations
9	E-COMMERCE	• At the end of the course the students will be fully aware of: • the principles and practice of	Unit exercises, home assignment, classroom activities, internal and semester examinations

		Electronic Commerce • the components, functions and roles of the Electronic Commerce environment • E-Commerce payment systems.	

Programme: BCA		Semester :5	
Sl.No.	Course	Course Learning Outcome	Assessment
1	Software Engineering	• Be successful professionals in the field with fundamental knowledge of software engineering. • Analyze and resolve information technology problems through the application of systematic approaches and diagnostic tools.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	Computer & Communication Networks	• Understand the architectural principles of computer networking and compare different approaches to organizing networks • Explain key networking protocols and their hierarchical relationship in the context of a conceptual model such as the OSI and TCP/IP framework • Identify core networking and	Unit exercises, home assignment, classroom activities, internal and semester examinations

		infrastructure components and the roles they serve.	
3	Distributed Computing	• Understand Concepts behind Distributed Systems • Design and build application programs on distributed systems. • Develop, test and debug RPC based client-server programs	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	Web Technology	• Have a sound knowledge of Web Application Terminologies, Internet Tools • Select and apply markup languages for processing, identifying, and presenting information in web pages. • Use scripting languages and web services to add interactive components to web pages. • Design and implement websites with good aesthetic sense of designing • Design to be reusable the software components in a variety of different environments.	Unit exercises, home assignment, classroom activities, internal and semester examinations
5	Python Programming	• Be skilled at creating, debugging and testing a software application using	Unit exercises, home assignment, classroom activities, internal and semester examinations

		the Python programming language.	
6	Account &Financial Management	Apply skills in Computerized Accounting for maintaining accounting records, making management decisions, and processing common business applications.	Unit exercises, home assignment, classroom activities, internal and semester examinations
7	Android Application Development	• Apply the skills for creating, deploying Android applications, with particular emphasis on software engineering topics including software architecture, software process, usability, and deployment. • To use the knowledge of android architecture and the tools for developing android applications	Unit exercises, home assignment, classroom activities, internal and semester examinations
8	SCI LAB PROGRAMMING	• Understand the need for simulation/implementation for the verification of mathematical functions. • Understand the main features of the SCILAB program development environment to enable their usage in the higher learning • Analyze the program for	Unit exercises, home assignment, classroom activities, internal and semester examinations

		correctness and determine/estimate/ predict the output and verify it under simulation environment using /SCILAB tools.	
9	Web Application Lab	• Analyze a web page and identify its elements and attributes. • Develop web based application using client side and server side web technologies. • Design and style web pages using cascading style sheets. • Develop solution to complex problems using appropriate method, technologies, framework, web services and content management.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
10	Python Programming Lab	• To understand why Python is a useful scripting language for developers. • To learn how to design and program Python applications. • To learn how to use lists, tuples, and dictionaries in Python programs. • To learn how to identify Python object types.	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
11	AFM Lab	• Define bookkeeping and	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination

		accounting • Explain the general purposes and functions of accounting • Explain the differences between management and financial accounting • Describe the main elements of financial accounting information – assets, liabilities, revenue and expenses • Identify the main financial statements and their purposes.	
12	AAD Lab	• Install and configure Android application development tools. • Design and develop user Interfaces for the Android platform. • Apply Java programming concepts to Android application development. • Creating of simple mobile applications	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination
13	Sci Lab	• Develop programs in MATLAB. • Evaluate, analyze and plot results. • Perform mathematical Modeling in MATLAB. • Good understanding of	Writing the observation book, Executing the programs, Lab test, Lab Internal exam and Semester lab examination

		Linear algebra and Signal processing concepts.	

Programme: BCA		Semester :6	
Sl.No.	Course	Course Learning Outcome	Assessment
1	E-COMMERCE	• The principles and practice of Electronic Commerce • The components, functions and roles of the Electronic Commerce environment • E-Commerce payment systems.	Unit exercises, home assignment, classroom activities, internal and semester examinations
2	Network Security & Management	• Various factors driving the need for network , Database and information security • Physical points of vulnerability in a networks • Various laws related to Information Security	Unit exercises, home assignment, classroom activities, internal and semester examinations
3	Software Testing	• Understand the importance of software testing, different testing techniques and use of various test tools . • Create test strategies and plans, design test cases, prioritize and execute them. • Contribute to efficient delivery of software solutions and implement improvements in the software development processes.	Unit exercises, home assignment, classroom activities, internal and semester examinations
4	Programming for Analytics	• Obtain, clean/process and transform data • Analyze and interpret data using an ethically responsible approach. • Use appropriate models of analysis, assess the quality of input, derive insight from results, and investigate potential issues. Formulate and use appropriate models of data analysis to solve hidden solutions to business related challenges	Unit exercises, home assignment, classroom activities, internal and semester examinations
5	Multivariate Data Analysis	• Obtain, clean/process and transform data	Unit exercises, home assignment, classroom activities, internal and

		• Analyze and interpret data using an ethically responsible approach. • Use appropriate models of analysis, assess the quality of input, derive insight from results, and investigate potential issues. Formulate and use appropriate models of data analysis to solve hidden solutions to business related challenges	semester examinations
6	Business Statistics with R	• Obtain, clean/process and transform data • Analyze and interpret data using an ethically responsible approach. • Use appropriate models of analysis, assess the quality of input, derive insight from results, and investigate potential issues. Formulate and use appropriate models of data analysis to solve hidden solutions to business related challenges	Unit exercises, home assignment, classroom activities, internal and semester examinations
7	Project Work	• Identify and formulate the problem • Analyze the problem and collect necessary data. • Design and develop the project using appropriate software by applying the programming skills Implement, evaluate and generate reports.	Internal marks for the final semester project work are awarded by assessing the progress. Evaluation of Project Report and Viva-voce are conducted during the Semester Lab examination.

Programme Outcomes for Add-on Certificate courses

i) Programme Outcomes for Certification in Computer Application

After successful completion of Certification in Computer Applicationprogramme:

PO1: Students will have earned the skills to use and configure essential office applications including word processing, spreadsheets and presentation.
PO2: Student will have developed the basic understanding of usage of Internet, e-mail, and social networking tools; developing searching strategies; and basic web authoring.

Programme Specific Outcome:
PSO1: Student will have acquired the knowledge of basic terminology of computers and the practical concepts of MS Word, MS Excel, MS PowerPoint, and MS Access.
PSO2: Student will have developed the basic understanding of computer hardware,

software and problem-solving skills.

ii) Programme Outcomes for Certification in Computer Application with Tally

After successful completion of Certification in Computer Application with Tally programme:

PO1: Students will have earned the skills to use and configure essential office applications including word processing, spreadsheets and presentation.
PO2: Student will have developed the basic understanding of usage of Internet, e-mail, and social networking tools; developing searching strategies; and basic web authoring.
PO3: Student will have acquired necessary competencies by imparting knowledge of various concepts, methods and approaches to analyze complex business issues.
PO4: Student will have improved their competitive position through practical methods and up-date the changes in the subject areas.

Programme Specific Outcome:

PSO1: Student will have acquired the knowledge of basic terminology of computers and the practical concepts of MS Word, MS Excel, MS PowerPoint, and MS Access.
PSO2: Student will have developed the basic understanding of computer hardware, software and problem-solving skills.
PSO3 : Student will have gained an in-depth knowledge in Accounting Tally Software and its allied subjects.

iii) Programme Outcomes for Certification in Basics of Hardware and Networking

After successful completion of Certification in Basics of Hardware and Networkingprogramme:

PO1: Student will have developed essential skills required for effective use and troubleshoot computers and computer applications.
PO2: Student will have earned knowledge of different types of addresses, data communication, concept of networking models, protocols, functionality of each layer and basic networking hardware and tools.

Programme Specific Outcome:

PSO1: Student will have eligible for varied job roles like System Administrator, Network administrator, System Engineer, Technical Engineer/Computer Hardware Engineer, Network Engineer, Technical support, Help desk technician/Network support technician, IT technician.
PSO2: Student will have earned knowledge of different types of networks, various topologies, application of networks, Setting up and configuring network.

iv) Programme Outcomes for Certification in Basics of Adobe Photoshop

After successful completion of Certification in Basics of Adobe Photoshop programme:

PO1: Student will have possessed image editing skills using the features of Photoshop image-editing software.

Programme Specific Outcome:

PSO1: Student will have acquired the basic principles of graphic design using Photoshop including typography, compositing, color, and composition, learning

materials including infographics and visual content to fortify learning objectives
PSO2: Student will have acquired the knowledge of create better layouts using grids and guides using Photoshop and how to use layers, effects, gradients, scaling, cloning, levels, and layer masks in Photoshop
PSO3: Student will have earned knowledge of creating simple digital paintings , discover how to edit your own photographs to get rid of dust and scratches, fix the color, and correct image exposure.

v) Programme Outcomes for Certification in Basics of Internet of Things (IoT)

After successful completion of Certification in Basics of Adobe Internet of Things (IoT) programme:

PO1: Student will have earned the basic knowledge of applications of internet of things and how it works today.

PO2: Student will have cultivated the skills in developing simple IoT projects.

Programme Specific Outcome:

PSO1: Student will have earned the basic knowledge ofdifferent types of sensors, boards, communication modules and actuators.

PSO2: Student will have cultivated skills in Designing and programming IoT devices.

M.COM

Programme Outcome:

P.O.1: Apply higher-level insights to understated a contemporary issue in commerce and accept the challenges of changing Business World.

P.O.2: Develop conceptual, applied, research and leadership skill to solve complex business problems.

P.O.3: Impart specialized knowledge in different domains of commerce for inculcating an appropriate blend of intellectual skills and ethical values in the students.

P.O.4: Equip the students for seeking suitable career and entrepreneurship abilities.

Programme Specific Outcome:

P.S.O.1:Ability to gain systematic and rigorous learning exposure and competencies for problem solving in Financial Management and Investment related disciplines.

P.S.O.2: Ability to develop team work, leadership, managerial and administrative work with enhanced interpersonal skills and communication.

P.S.O.3:Facilitate the students for conducting own business, accounting and auditing practices, financial analyst and commerce professional.

P.S.O.4: Ability to work in MNCs as well as Private Ltd and Public Ltd Companies.

Course-Outcomes:

Course (M. Com)	Outcomes	Assessment
First Semester		
Management Theory and Practice-SC	• Understand the concepts related to business& demonstrate the roles, skills and functions of management. • Analyze effective application of Management theory and practices knowledge to diagnose and solve organizational problems and develop optimal managerial decisions and understand the complexities associated with management human resources in the organization and integrate the learning in handling these complexities.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Business Economics-SC	• Equip the student with the knowledge of basic concept, theoretical frameworks and recent development in the field of business economics. • Ability to forecast demand in light of changing circumstances and to formulate business plans.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Business Statistics-HC	• Enables students to understand the key terminology, concepts tools and techniques used in business statistical analysis and appreciate time series analysis as a tool. • Understand and critically solving the range of problems using techniques covered and recognize and understand probability, binomial, Poisson and normal distribution and apply it appropriately.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Management	• Enables the students to get exposure to the basic concepts and theories and the	Assignments, Seminars,

Science-HC	application of various management science techniques in making business problems. • Helps to Construct and demonstrate Linear programming problem and Network Based Project Scheduling Techniques.	Classroom Activities, Internal and Semester Examination
Advanced Financial Accounting-HC	• Provides rigorous bae for conducting research in the field of financial accounting. • Provides the students with the advanced knowledge and kill required for the preparation of account of companies.	Assignments, Seminars, Financial Statement Analysis, Internal and Semester Examination
Second Semester		
Personality Development-OE	• Develops the personality trait I the effective and efficient management of both personal and corporate life. • Increase the awareness of personality development and mutual understanding, its constituents stand and issues relating to good practice.	Assignments, Seminars, Classroom Activities, Group Interaction, Internal and Semester Examination
Entrepreneurship Development-SC	• Understand the theories of entrepreneurship and business development and identify the key steps required to initiate and develop business enterprise • Critically evaluate and discuss the types of entrepreneurship that can stimulate business development and recognize the value of problem solving, effective business	Assignments, Seminars, Classroom Activities, Internal and Semester Examination

	management and entrepreneurial thinking to business development and understand key resources required to develop existing business such as ideas and finance.	
Strategic Marketing-SC	• Provides a strong research base in the field of marketing management through the use of marketing research techniques. • Enables the students to know the modern strategic marketing concept and to study consumer behaviour	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Business Research Methods-HC	• Demonstrate the ability to choose methods appropriate to research objectives and understanding the limitations of particular research methods. • Develop skills in qualitative and quantitative data analysis and presentation and advanced critical thinking skills and have basic awareness of data analysis and hypothesis testing procedure.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
International Business-HC	• Exposes the students to various concepts and business models of business, industry and commerce. • Familiarize the student with political, legal, social, economic and demographical environment of international business	Assignments, Seminars, Group Discussions, Case Study Analysis, Business Analysis Internal and Semester Examination

Advanced Cost Accounting-HC	• Provides an understanding of the basic principles of advanced cost accounting and equip the student with the skills of application of cost accounting. • Familiarization with the Management Control Systems.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Third Semester		
Personal Savings and Investment Management-OE	• Enables the student to know various avenues of personal saving and investment management. • Enables the students to have the knowledge and skills to develop portfolio strategies for individual investment.	Assignments, Seminars, Classroom Activities, Stock Market Analysis, Budget Discussion, Internal and Semester Examination.
Artificial and Business Intelligence-HC	• Enables the student to Apply the basic principles, models and algorithms of AI to recognize, model and solve problems in the analysis and design of information systems. • Helps to analyze the structure and algorithms of a selection of techniques related to searching, reasoning, machine learning and language processing and compare AI with human intelligence and traditional information processing and discuss the strengths and limitations as well as its applications to complex and human centered problems.	Assignments, Seminars, Classroom Activities, Stock Market Analysis, Budget Discussion, Internal and Semester Examination.

Business Ethics and CSR-HC	• Create an awareness of various aspects of business ethics and corporate social responsibility. • Provide an understanding of the various areas of rigorous research in the field of CSR.	Assignments, Seminars, Group Discussions, Case Study Analysis, Internal and Semester Examination
E-Commerce-HC	• Enable the students to know the E-Commerce framework and familiarizes with e-commerce and world wide web and the applications of electronic data interchange. • Understand thedifferent E-Commerce and recognize business models in other emerging areas of e-commerce.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Indian Accounting Standards and Practice-SC	• Familiarize the IFRS's and their applications in the field of business, industry and commerce. • Provides an in-depth analysis of the accounting and disclosure requirement under IFRS.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Capital Market Operations-SC	• Provide an insight into various investment concepts, types, features and functions of capital market. • Helps to study the charts and signals of technical indicators and Enable students to use fundamental and technical analysis to make investment decisions.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Fourth Semester		
Retail Management-SC	• Help students develop analytical skills to identify retail business opportunities and conditions for access potential market.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination.

	• Helps the students understand the business transformation and effective utilization of retail store.	
Risk and Insurance Management-HC	• Offers the students the necessary knowledge and skills to be able to understand the present and future problems in the financial and insurance. • Uunderstand the importance of corporate risks and individual risks and provides the risk handling methods.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination.
International Financial Management-HC	• Explains the basic feature and functions of international financial system and develops & application in foreign exchange exposure and management. • Helps the students to understand the problems of dealing in foreign currency and the advantages and disadvantages of overseas funding	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Financial Derivative Markets-SC	• Discuss about derivative markets in India and describe the pricing strategies of forward and futures contract. • Acknowledge characteristics of options trading and explain the valuation of option pricing and have in depth understanding of trading and kinds of orders available in derivative markets.	Assignments, Seminars, Classroom Activities, Internal and Semester Examination
Portfolio	• Explains the usefulness of the	Assignments, Seminars,

Management-SC	fundamental and technical analysis and makes aware of various portfolio management techniques. • Understand the idea of the factors affecting the portfolio construction and management.	Classroom Activities, Internal and Semester Examination.

Sri Bhuvanendra College, Karkala

Sri Bhuvanendra College, Karkala is affiliated to Mangalore University, and follows the curriculum prescribed by the University. The College has clearly stated the Programme Outcome, Programme Specific Outcome and Course Outcome of all the programmes and courses. The College offers BA, BCom, BSc, BCA and BBA under UG category. Each programme consists of total 6 semesters.

There are two parts in a Programme -

1. Basic foundation courses and
2. Core courses

In 1st, 2nd, 3rd and 4th semesters,2 languages are offered as Basic foundation courses. Students can choose any two languages of their choice.

Course	Outcomes	Assessment
B.A [PEJ]: First Semester **Early Romantic Literature**	**Students will have:** **7.** Learnt about the salient features of romanticism. **8.** Nature once again looked into as a new prospect of life. **9.** The concept of subjectivity and objectivity. **10.** Definition and nature of romantic poetry.	Assignment, individual and team presentations internal examinations, semester exams.
B.A [PEJ]: Second Semester **Later Romantic Literature**	**Students will have:** • The growth of Romantic Movement leading to modern literature. • Prominent literature being sources of new movement of literature. • In later 19th century and early 20th century like Neo- Classicism.	
B.A [PEJ]: Third Semester **Victorian Literature**	**The students will come to know:** • The style and the prominence of play and novel as important genre of literature. • Dickens as a writer of evils of industrialization. • Origin of essay as prominent tool of analysis.	
B.A [PEJ]: Fourth Semester **The Seventeenth Century Literature**	**Students will come to know:** (7) The concept of Renaissance. (8) Milton as a father of modern epic in English. (9) Three romantic poets like Herbert, Donne and Marvell and their special way of writing. (10) Drama as a critic of society as depicted in Sheridan's plays.	
B.A [PEJ]: Fifth Semester **Shakespeare (Paper 1)**	**Students will come to know:** • This paper will come to known the importance of Shakespeare as a father of English Literature. • Universal Values of literature that have immortalised Shakespeare. • Shakespeare as a multitalented who defined the ethos of his century. • The concept of tragedy, comedy, tragic-comedy and Sonnets redefined.	
B.A [PEJ]: Fifth Semester **The Twentieth Century (Paper 2)**	**Students will come to know:** • The idea of modernity and experimentation in Literature. • Redefining of poetry and genre of literature by T.S. Eliot and Ezra Pound. • Novel as Predominant genre of	

	literature. • A concept of Surrealism, the Dadaism, Symbolism, Stream Of Consciousness coming to experimentation in Literature.	
B.A [PEJ]: Sixth Semester Indian Writing In English (Paper 1)	**Student will come to know the definition Indian Writing In English:** • Indian Writing in English and the difference between Indo-Anglian and Anglo- Indian writers. • Indian Experience in English Language. • The concepts of Independence, Individualism, Feminism and Partition and there depiction in Indian literature.	
B.A [PEJ]: Sixth Semester American Literature(Paper 2)	**Students will have known:** • The emancipation of America from colonialism. • Transcendentalism and Civil Liberty Movements. • Apathy Literature and Anti-racial Movement. • Modernism in American English Literature. • Concerns of Afro-Americans.	

Department of English

1. Programmes Offered

A.B.A (English, Journalism and Psychology): Being a combination of profession courses the students who studied the program will have:

- Cultivated interest in one of the subjects and think of going to higher studies and research.
- With the knowledge of handling media and insight into the psyche of human beings. The student who study English Literature would become effective media personnel.
- The students having studied language and literature would take up teaching as a profession which is in great demand.
- With the knowledge of effective communication and psychological aspects of human civilization.
- The student will have got the art of writing literary compositions depicting Indian experiences for global audiences.

Course-Outcomes

Course	Outcomes	Assessment

B. In Foundation Course for all programmes as Language-1

2. Programme Specific Outcomes for English as Foundation Course:

- P.O. 1: A student having studied English Language as a foundation course will have understood the operative principles of English language in terms of its grammar, Usage and Composition.
- P.O. 2: A Student who has studied English for four semesters will have cultivated competence in reading, writing, listening and speaking skills.
- P.O. 3: A Student who has studied English for four semesters will have identified and understood the various genres of writings in English Literature and will have known the reputed writers of these genres.
- P.O.4: A Student who has studied English for four semesters will have imbibed universal values enshrined in various lessons of English Texts and will have cultivated a positive, ethical and pragmatic outlook with modern scientific temperament.

OLD SYLLABUS		
B.A: First Semester **Text: English Language Text Book I**	(6) Students on completion of course will have had familiarised with basic vocabulary building activities like synonyms, antonyms, (7) They will have understood simple sentences and idea of tense. (8) They will have learnt about essay, story and poetry as major genres of English literature.	Assignment, grammar exercises, composition exercises, individual and team presentations internal examinations, semester exams
B.A: Second Semester **Text: English Language Text Book II**	Students will have • understood simple complex and compound sentences • use of phrases and idioms • Acquired human and literary values by studying essays short stories and poems. • Learnt the art of comprehension	
B.A: Third Semester **Text: Things Fall Apart**	Students will have • Understood how Western civilization destroyed tribal civilizations describing them as barbaric • Learnt that every tribe had its own system of values and structure of governance and justice	
B.A: Fourth Semester **Text: The Glass Menagerie**	• Must know Idea of feminism, women's liberation movement • Concept of gender equality • Insight into discrimination in defining the role of woman as a doll in hand	
B.Sc. First Semester **Text: First Degree Language Text Book I**	1. Students on completion of course will have had familiarised with basic vocabulary building activities like synonyms, antonyms, 2. They will have understood simple sentences and idea of tense. **3.** They will have learnt about essay, story and poetry as major genres of English literature.	
B.Sc. Second Semester **Text:First Degree Language Text Book II**	Students will have • understood simple complex and compound sentences • use of phrases and idioms	

	• Acquired human and literary values by studying essays short stories and poems. • Learnt the art of comprehension	
B.Sc. Third Semester **Text: A Doll's House**	1. Must know Idea of feminism, women's liberation movement 2. Concept of gender equality **3.** Insight into discrimination in defining the role of woman as a doll in hand	
B.Sc. Fourth Semester **Text: Chemmeen**	• How to write about nit experiences in English • Translation of vernacular novels into English • Got insight into the difficulties of fishermen community • Appreciation of the role of women and understanding the difficulties of a woman in downtrodden communities	
BCA First Semester **Text:First Degree Language** **Text Book I**	(9) Students on completion of course will have had familiarised with basic vocabulary building activities like synonyms, antonyms, (10) They will have understood simple sentences and idea of tense. (11) They will have learnt about essay, story and poetry as major genres of English literature.	
BCA. Second Semester **Text:First Degree Language** **Text Book II**	Students will have • understood simple complex and compound sentences • use of phrases and idioms • Acquired human and literary values by studying essays short stories and poems. Learnt the art of comprehension	
BBM First Semester **Text: First Degree Language** **Text Book I**	(12) Students on completion of course will have had familiarised with basic vocabulary building activities like synonyms, antonyms, (13) They will have understood simple sentences and idea of tense. (14) They will have learnt about essay, story and poetry as major genres of English literature.	

BBM Second Semester Text:First Degree Language Text Book II	Students will have • understood simple complex and compound sentences • use of phrases and idioms • Acquired human and literary values by studying essays short stories and poems. • Learnt the art ofcomprehension	
B.Com First Semester Text: First Degree Language Text Book I	(15) Students on completion of course will have had familiarised with basic vocabulary building activities like synonyms, antonyms, (16) They will have understood simple sentences and idea of tense. (17) They will have learnt about essay, story and poetry as major genres of English literature.	
B.Com Second Semester Text:First Degree Language Text Book II	Students will have • understood simple complex and compound sentences • use of phrases and idioms • acquired human and literary values by studying essays short stories and poems. Learnt the art of comprehension	
B.Com Third Semester Text: The Importance Of Being Earnest	• Student will have learnt the use of English in dialogue composition • Students would have understood the salient features of play/drama as a genre • Insight into Vanity and hypocrisy of society	
B.Com Fourth Semester Text: The Strange case of Billy Biswas	The Students will have • Understood that normal and the abnormal, the ordinary and the extraordinary, illusion and reality, resignation and desire, rub shoulders by reading the novel • The impossibility of escaping from modern milieu of technological jungle • Appreciation of delineation of a character who is both a human in flesh and blood, and a symbol of the restless human spirit.	

New syllabus		
B.A: First Semester **Text: Kaleidoscope I**	On completion Students shall have 1. improved Basic vocabulary and competence of using simple. 2. sentence structures for basic communication 3. Students shall have acquainted with different genres of writing in English and the knowledge, skill, attitudes and values presented in various lessons.	**Unit exercises, home assignment, classroom activities, internal and semester examinations.**
B.A: Second Semester **Text: Kaleidoscope II**	Students will have • understood simple complex and compound sentences • use of phrases and idioms • acquired human and literary values by studying essays short stories and poems • Learnt the art of comprehension	
B.A: Third Semester **Text: Kaleidoscope III**	Students will have 1. Understood the concept of one act play 2. Learnt the art of dialogue writing 3. Observed the technique of argumentation, persuasion, 4. Effective use of English Communication	
B.A: Fourth Semester **Text: Dweepa (Island)**	Students will have • Observed the use of English in expressing native experience • understood pain of displacement in the name of progress • Got insight into the tragic predicament of mankind	
B.Sc. First Semester **Text: Treasure Trove I**	• On completion Students shall have improved Basic vocabulary and competence of using simplesentence structures for basic communication 2. Students shall have acquainted with different genres of writing in English and the knowledge, skill, attitudes and values presented in various lessons.	
B.Sc. Second Semester **Text: Treasure Trove II**	Students will have 1. understood simple complex and compound sentences 2. use of phrases and idioms 3. acquired human and literary values by studying essays short stories and poems 4. Learnt the art of comprehension	
B.Sc. Third Semester	Students will have	

Text: Treasure Trove III	1. Understood the concept of one act play 2. Learnt the art of dialogue writing 3. Observed the technique of argumentation ,persuattion, 4. Effective use of English Communication	
B.Sc. Fourth Semester **Text: Karukku**	Will have understood 1. The predilections Dalits in India 2. Got insight into discrimination against women 3. Originality and creativity of Dalit literature	
BCA First Semester **Text: Treasure Trove I**	1. On completion Students shall have improved Basic vocabulary and competence of using simple. 2. sentence structures for basic communication 3. Students shall have acquainted with different genres of writing in English and the knowledge, skill, attitudes and values presented in various lessons.	
BCA. Second Semester **Text: Treasure Trove II**	Students will have 1. understood simple complex and compound sentences 2. use of phrases and idioms 3. acquired human and literary values by studying essays short stories and poems 4. .Learnt the art of comprehension	
BCA Third Semester **Text: Treasure Trove III**	Students will have 1. . Understood the concept of one act play 2. Learnt the art of dialogue writing 3. Observed the technique of argumentation, persuattion. 4. Effective use of English Communication	
BCA. Fourth Semester **Text: Karukku**	Will have understood 1. The predilections Dalits in India 2. Got insight into discrimination against women 3. Originality and creativity of Dalit literature	
BBA First Semester **Text: Spectrum I**	1. On completion Students shall have improved Basic vocabulary and competence of using simple. 2. sentence structures for basic communication 3. Students shall have acquainted	

	with different genres of writing in English and the knowledge, skill, attitudes and values presented in various lessons.	
BBA Second Semester Text: Spectrum II	Students will have 1. understood simple complex and compound sentences 2. use of phrases and idioms 3. acquired human and literary values by studying essays short stories and poems 4. .Learnt the art of comprehension	
BBA Third Semester Text: Spectrum III	Students will have 1. Understood the concept of one act play 2. Learnt the art of dialogue writing 3. Observed the technique of argumentation, persuasion, 4. Effective use of English Communication	
BBA Fourth Semester Text: Nampally Road	Students will have 1. Understood narrative of minority struggle 2. Studied juxtaposition of past relationship and cultural and historical inheritance. student and spent several years there. 3. Understood Mira's difficulty in adjusting with the fast lifestyle of the European people.	
B.Com First Semester Text: Articulation I	1. Completion Students shall have improved Basic vocabulary and competence of using simplesentence structures for basic communication 2. Students shall have acquainted with different genres of writing in English and the knowledge, skill, attitudes and values presented in various lessons.	
B.Com Second Semester Text: Articulation II	Students will have 1. understood simple complex and compound sentences 2. use of phrases and idioms 3. acquired human and literary values by studying essays short stories and poems. 4. Learnt the art of comprehension	
B.Com Third Semester Text: Articulation III	Students will have • Understood the concept of one act play • Learnt the art of dialogue writing	

	• Observed the technique of argumentation ,persuattion, • Effective use of English Communication	
B.Com Fourth Semester **Text: Indira Bai: The Triumph of Truth and virtue**	Students will have 1. Learnt the progressive and rational outlook of first Kannada novel 2. Appreciation for social reform 3. Observed the difficulties of translation	

Sri Bhuvanendra College, Karkala
Department of Hindi

Sri Bhuvanendra College, Karkala is affiliated to Mangalore University, and follows the curriculum prescribed by the University. Mangalore University introduced **Choice Based Credit System** in the year 2019. The College has clearly stated the Programme Outcome, Programme Specific Outcome and Course Outcome of all the programmes and courses. The College offers BA, BCom, BSc, BCA and BBA under UG category. Each programme consists of total 6 semesters.

There are two parts in a programme-

1. Basic foundation courses and
2. Core courses

In 1st, 2nd, 3rd and 4th semesters, 2 languages are offered as Basic foundation courses. Students can choose any two languages of their choice.

Programme specific outcomes for Hindi as Foundation Course:

After the completion of the course the student will be able to:

PSO1: Gain knowledge about the nature and culture of Hindi language
PSO2: Understand the structural aspects of Hindi language
PSO3: Apply the knowledge of the grammatical structures to communicate in Hindi
PSO4: Analyze the social significance of modern literature.
PSO5: Develop the ability to translate a given text to Hindi

PSO6: Developing intellectual and ethical qualities in students through study of literature.
PSO7: Holistic development of personality, Man Making & Nation building through study of literature.

Course outcome for Hindi as a Foundation Course

Choice Based Credit System (2019-2020 onwards)

BA – I Semester		Course Code - BASHDL131
CO1	Short story – Kahani Gulshan & Laghukatha lahari	1. Students get exposed to Hindi literature through short stories easily. 2. Students understand Hindi culture, life situations through stories. 3. Students imbibe values from stories.
CO2	Grammar- Varna Vichar, Shabd bhed, Ling, vachan, karak, kaal, vachya	1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures.

BA – II Sem		Course Code - BASHDL181
CO1	Essay- Gadya dhara	1. Students get exposed to Hindi literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.
CO2	Grammar- Shabd bhed, Avikari, Upasarg-pratyay, vakyabhed, Viram chihn, Pad parichay.	1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.

	Sandhi, Vakyashudhi, Nibandha lekhan	

BA – III Sem		**Course Code - BASHDL231**
CO1	**Novel- "Dak bangla" by Kamaleshwar**	**1. Students get exposed to Hindi literature through Novel in depth. 2. Students understand different dialects of Hindi language, culture, life situations through Novels in depth. 3. Students develop critical thinking and imbibe values.**
CO2	**Medieval poetry - Kavya Lok**	**1. Students get exposed to Hindi literature through Medieval poetry and feel proud of Indian legacy of great literature. 2. Students understand Hindi in depth. They get exposed to Poetics (i.e. Rasa, Chand, Alankar etc.) 3. Students imbibe eternal and human values from Sant Sahitya .**
CO3	**Modern poetry - Kavya Lok**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**
CO4	**Functional Hindi- Letter writing, Translation,**	**1. Students learn to use Hindi language in functional fields. 2. They get acquainted with writing Letters, Precis writing and**

	Precis writing, Comprehension	**Comprehension.** **3. Translation from one language to other.**

BA – IV Sem		**Course Code - BASHDL281**
CO1	**Drama - Savitri by Kailashchandra**	**1. Students get exposed to Hindi literature through Drama.** **2. Students understand Hindi language in depth with the help of dialogues.** **3. Students will come to know Hindi culture, life situations through dramas.** **3. Also Students imbibe values from dramas.**
CO2	**Modern poetry – Lambee Kavitayen**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society.** **2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age.** **3. Students imbibe eternal and human values from Modern poetry .**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.** **2. They study Synonyms, Antonyms, Muhavaren-Lokoktiyan, Pallavan, Film Samiksha.**
CO4	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields.** **2. Theory and versions Functional Hindi, Technical terminology, Rajbhasha, Rashtrabhasha, Sampark bhasha, Official Hindi, Reporting.**

BCom – I Sem		Course Code - BCMHDL131
CO1	Short story – Abhinav Katha Bharati	1. Students get exposed to Hindi literature through short stories easily. 2. Students understand Hindi culture, life situations through stories. 3. Students imbibe values from stories.
CO2	Grammar-	1. Students learn the language with the help of grammar. 2. They study Shabd bhed, Vikari, Avikari, Ling, vachan, karak
CO3	Functional Hindi	1. Students learn to use Hindi language in functional fields. 2. Letter writing- Sarakari aur Gair sarakari 3. Translation from one language to other.

BCom – II Sem		Course Code - BCMHDL181
CO1	Essay Gdya Kusum	1. Students get exposed to Hindi literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.
CO2	Medieval poetry Kavya Sudha	1. Students get exposed to Hindi literature through Medieval poetry and feel proud of Indian legacy of great literature. 2. Students understand Hindi in depth. They get exposed to Poetics (i.e. Rasa, Chand, Alankar etc.) 3. Students imbibe eternal and human values from Sant Sahitya .

CO3	**Modern poetry Kavya Sudha**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**
CO4	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Voice, Syntax, Tense, Parsing.**

BCom – III Sem		**Course Code – BCMHDL231**
CO1	**Drama - Tajmahal ka Tender by Ajay Shukla**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas.**
CO2	**Modern poetry Deergh Kavitayen**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**
CO3	**Grammar**	**1. Students learn the language with**

		the help of grammar. **2. They study Precis writing, Pallavan, Dialogue writing, Comprehension.**
CO4	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields.** **2. Theory of Functional Hindi, Media Hindi, Advertisement, Technical Terminology.**

BCom – IV Sem		**Course Code - BCMHDL281**
CO1	**Short story Laghu Katha Kunj**	**1. Students get exposed to Hindi literature through short stories easily.** **2. Students understand Hindi culture, life situations through stories.** **3. Students imbibe values from stories.**
CO2	**Novel Samay Sargam by Krishna Sobti**	**1. Students get exposed to Hindi literature through Novel in depth.** **2. Students understand different dialects of Hindi language, culture, life situations through Novels in depth.** **3. Students develop critical thinking and imbibe values.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.** **2. They study Bio-data, Report writing, Comprehension, Translation, Film Samiksha.**

BSc – I Sem		**Course Code - BSCHDL131**
CO1	**Essay**	**1. Students get exposed to Hindi**

	Gadya Sopan	**literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.**
CO2	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Parts of speech, Ling, Vachan, Tense, Precis writing, Pallavan, Bio-data, Comprehension.**

BSc – II Sem		**Course Code - BSCHDL181**
CO1	**Novel – Deekshanth by Suryabala**	**1. Students get exposed to Hindi literature through Novel in depth. 2. Students understand different dialects of Hindi language, culture, life situations through Novels in depth. 3. Students develop critical thinking and imbibe values.**
CO2	**Medieval poetry Kavya Sushma**	**1. Students get exposed to Hindi literature through Medieval poetry and feel proud of Indian legacy of great literature. 2. Students understand Hindi in depth. They get exposed to Poetics (i.e. Rasa, Chand, Alankar etc.) 3. Students imbibe eternal and human values from Sant Sahitya .**
CO3	**Modern poetry Kavya Sushma**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**

CO4	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Sandhi, Samas, Prefix-Sufix, Voice, Film Samiksha.**

BSc – III Sem		**Course Code - BSCHDL231**
CO1	**Short story Svarna Kahaniyan**	**1. Students get exposed to Hindi literature through short stories easily. 2. Students understand Hindi culture, life situations through stories. 3. Students imbibe values from stories.**
CO2	**Modern poetry Lambee Kavitayen**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**
CO3	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Syntax, Dialogue writing, Muhavaren-Lokokti, Synonyms, Antonyms.**

BSc – IV Sem		**Course Code - BSCHDL281**
CO1	**Short story Laghu Kathayen**	**1. Students get exposed to Hindi literature through short stories easily. 2. Students understand Hindi culture, life situations through stories.**

		3. Students imbibe values from stories.
CO2	**Drama Bina deevaron ke Ghar by Mannu Bhandari**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas also.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Correction of sentences, Viram chihn, Comprehension, Parsing, Translation.**
CO4	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields. 2. Forms of Functional Hindi, Official Language, Sampark bhasha, Rashtra bhasha.**

BCA – I Sem		**Course Code - BCAHDL131**
CO1	**Short story Kahani Sankalan**	**1. Students get exposed to Hindi literature through short stories easily. 2. Students understand Hindi culture, life situations through stories. 3. Students imbibe values from stories.**
CO2	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Shabd bhed, Vikari, Avikari, Ling, Vachan, Karak,**

		Upasarg-Pratyay, Parsing, Film Samiksha.

BCA – II Sem		**Course Code - BCAHDL181**
CO1	**Modern poetry Kavya Kalash**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**
CO2	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Voice, Tense, Syntax, Muhavaren-Lokokti, Synonym-Antonym, Precis writing, Pallavan.**

BCA – III Sem		**Course Code - BCAHDL231**
CO1	**Drama Mister Abhimanyu by Laxminarayanlal**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas also.**
CO2	**Essay Gadya Pratibha**	**1. Students get exposed to Hindi literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.**
CO3	**Grammar**	**1. Students learn the language with**

		the help of grammar. **2. They study Technical terms, Advertisement, Dialogue writing, Comprehension.**
CO4	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields.** **2. Forms of functional Hindi, Journalism, media writing.**

BCA – IV Sem		**Course Code - BCAHDL281**
CO1	**Short story Laghu Katha Kaustubh**	**1. Students get exposed to Hindi literature through short stories easily.** **2. Students understand Hindi culture, life situations through stories.** **3. Students imbibe values from stories.**
CO2	**Novel ABCD by Ravindra Kaliya**	**1. Students get exposed to Hindi literature through Novel in depth.** **2. Students understand different dialects of Hindi language, culture, life situations through Novels in depth.** **3. Students develop critical thinking and imbibe values.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.** **2. They study Comprehension, Translation, Pallavan, Letter writing.**

BBA – I Sem		**Course Code - BBAHDL131**
CO1	**Short story Samakalin Kahaniyan**	**1. Students get exposed to Hindi literature through short stories easily.** **2. Students understand Hindi**

		culture, life situations through stories. **3. Students imbibe values from stories.**
CO2	**Grammar**	**1. Students learn the language with the help of grammar.** **2. They study Shabd bhed, Vikari, Avikari, Ling, Vachan, Karak, Tense, Voice.**

BBA – II Sem		**Course Code - BBAHDL181**
CO1	**Short story** **Choti badi Kathayen**	**1. Students get exposed to Hindi literature through short stories easily.** **2. Students understand Hindi culture, life situations through stories.** **3. Students imbibe values from stories.**
CO2	**Medieval poetry** **Kavya Surabhi**	**1. Students get exposed to Hindi literature through Medieval poetry and feel proud of Indian legacy of great literature.** **2. Students understand Hindi in depth. They get exposed to Poetics (i.e. Rasa, Chand, Alankar etc.)** **3. Students imbibe eternal and human values from Sant Sahitya .**
CO3	**Modern poetry** **Kavya Surabhi**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society.** **2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age.** **3. Students imbibe eternal and**

		human values from Modern poetry .
CO4	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Voice, Tense, Shabdshudhi, Film Samiksha.**

BBA – III Sem		**Course Code - BBAHDL231**
CO1	**Novel Sapno ki home delivery by Mamata Kaliya**	**1. Students get exposed to Hindi literature through Novel in depth. 2. Students understand different dialects of Hindi language, culture, life situations through Novels in depth. 3. Students develop critical thinking and imbibe values.**
CO2	**One act plays Indra Dhanush**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas also.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Syntax, Upasarg-Pratyay, Viram chihn, Comprehension, General letter writing.**

BBA – IV Sem		**Course Code - BBAHDL281**
CO1	**Drama Jadu ka Kalin**	**1. Students get exposed to Hindi literature through Drama.**

	by Mridula Garg	2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas also.
CO2	Essay Nibandha Manjusha	1. Students get exposed to Hindi literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.
CO3	Grammar	1. Students learn the language with the help of grammar. 2. They study Bio-data, Dialogue writing, Technical terms, Translation.
CO4	Functional Hindi	1. Students learn to use Hindi language in functional fields. 2. Forms of Functional Hindi.

Credit Based Semester System 2015-2019 (Old Syllabus)

BA – I Semester		Course Code - BASHDL104
CO1	Modern poetry Khanda kavya-Panna by Dr. Saragu Krishna Moorthy	1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from the poetry.
CO2	Short story - Gadya Manjusha	1. Students get exposed to Hindi literature through short stories easily. 2. Students understand Hindi culture, life situations through

		stories. **3. Students imbibe values from stories.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures, Muhavare, Translation.**

BA – II Sem		**Course Code - BASHDL154**
CO1	**Essay** **Gadya** **Manjusha**	**1. Students get exposed to Hindi literature through Essays in depth.** **2. Students develop critical thinking and imbibe knowledge.**
CO2	**Grammar**	**1. Students learn the language with the help of grammar.** **2. They study Parts of speech, Language structures, Lokokti.**

BA – III Sem		**Course Code - BASHDL204**
CO1	**Drama - Simhasan Khali hai by Sushil Kumar sinha**	**1. Students get exposed to Hindi literature through Drama.** **2. Students understand Hindi language in depth with the help of dialogues.** **3. Students will come to know Hindi culture, life situations through dramas.** **3. Also Students imbibe values from dramas.**
CO2	**Medieval poetry - Madhyayugin evam Adhunik Kavya Tarang**	**1. Students get exposed to Hindi literature through Medieval poetry and feel proud of Indian legacy of great literature.** **2. Students understand Hindi in**

		depth. They get exposed to Poetics (i.e. Rasa, Chand, Alankar etc.) 3. Students imbibe eternal and human values from Sant Sahitya .
CO3	**Modern poetry - Madhyayugin evam Adhunik Kavya Tarang**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**

BA – IV Sem		**Course Code - BASHDL254**
CO1	**One Act Plays - Saat Ekanki**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas.**
CO2	**Modern poetry – Lambee Kavitayen**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**
CO3	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields.**

		2. Theory and versions Functional Hindi, Official Letter writing, Rajbhasha, Rashtrabhasha, Sampark bhasha, Media Lekhan, Interview, Gadyansh lekh.

BCom – I Sem		**Course Code - BCMHDL104**
CO1	**Modern poetry Laghu kavya Shambook by Jagadish gupta**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**
CO2	**Short story- Gadya Bharati**	**1. Students get exposed to Hindi literature through short stories easily. 2. Students understand Hindi culture, life situations through stories. 3. Students imbibe values from stories.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures, Technical terms, Translation.**

BCom – II Sem		**Course Code - BCMHDL154**
CO1	**Essay**	**1. Students get exposed to Hindi**

	Gadya Bharati	**literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.**
CO2	**Grammar**	**1. Students learn the language with the help of grammar. 2. They study Avikari, Voice, Tense, Parsing, Technical terms, Translation.**

BCom – III Sem		**Course Code – BCMHDL204**
CO1	**Novel Apavad by Dr. Shyam Sakha Shyam**	**1. Students get exposed to Hindi literature through Novel in depth. 2. Students understand different dialects of Hindi language, culture, life situations through Novels in depth. 3. Students develop critical thinking and imbibe values.**
CO2	**Modern poetry- Madhyakalin Evam Adhunik Kavyadhara**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**

BCom – IV Sem		**Course Code - BCMHDL254**
CO1	**Drama Raksha Bandhan by Harikrishna Premi**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues.**

		3. Students will come to know Hindi culture, life situations through dramas. **3. Also Students imbibe values from dramas.**
CO2	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields.** **2. They get acquainted with writing Letters, Interview, Bio-data, Comprehension, Precis-writing, Advertisement etc.**

BSc – I Sem		**Course Code - BSCHDL104**
CO1	**Modern poetry** **Khanda kavya-** **Kitne prashna karun** **by Mamata Kaliya**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society.** **2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age.** **3. Students imbibe eternal and human values from the poetry.**
CO2	**Short story** **Kahani kalash**	**1. Students get exposed to Hindi literature through short stories easily.** **2. Students understand Hindi culture, life situations through stories.** **3. Students imbibe values from stories.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Parts of speech, Ling, Vachan, Karak, Muhavaren, Translation.**

BSc – II Sem		Course Code - BSCHDL154
CO1	Essay Gadya ke vividh ayam	1. Students get exposed to Hindi literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.
CO2	Grammar	1. Students learn the language with the help of grammar. 2. They study Avyay, Kaal, Vachya, Lokokti, Translation.

BSc – III Sem		Course Code - BSCHDL204
CO1	Medieval poetry Kavita tarang	1. Students get exposed to Hindi literature through Medieval poetry and feel proud of Indian legacy of great literature. 2. Students understand Hindi in depth. They get exposed to Poetics (i.e. Rasa, Chand, Alankar etc.) 3. Students imbibe eternal and human values from Sant Sahitya .
CO2	Modern poetry Kavita tarang	1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .
CO3	Novel Sukhta hua talab by Ramdarsh Mishra	1. Students get exposed to Hindi literature through Novel in depth. 2. Students understand different dialects of Hindi language, culture, life situations through Novels in depth. 3. Students develop critical thinking

		and imbibe values.

BSc – IV Sem		**Course Code - BSCHDL254**
CO1	**Drama Ashad ka ek din by Mohan Rakesh**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas.**
CO2	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields. 2. Forms of Functional Hindi, Official Language, Sampark bhasha, Rashtra bhasha, Letter writing, Interview, Bio-data, Precis-writing.**

BCA – I Sem		**Course Code - BCAHDL104**
CO1	**Modern poetry Chuni hui Lambi Kavitayen**	**1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .**
CO2	**Essay Gadya ke vividh roop**	**1. Students get exposed to Hindi literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.**

		2. They study Verb, Tense, Karak, Language structures and Vakyashudhi.
CO4	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields. 2. They get acquainted with writing Letters, Muhavaren- etc. 3. Translation from one language to other.**

BCA – II Sem		**Course Code - BCAHDL154**
CO1	**Ekanki Gadya ke vividh roop**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas also.**
CO2	**Novel Daud by Mamata Kaliya**	**1. Students get exposed to Hindi literature through Novel in depth. 2. Students understand different dialects of Hindi language, culture, life situations through Novels in depth. 3. Students develop critical thinking and imbibe values.**
CO3	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields. 2. They get acquainted with the Aspects and forms of functional Hindi, Interview, Bio-data, Comprehension,**

BBM – I Sem		Course Code - BBMHDL104
CO1	Modern poetry Prabandh Kavya Triroopa	1. Students get exposed to Hindi literature through Modern poetry and feel new sensations of the society. 2. Students understand Hindi in depth. They get exposed to Poetics and new things evolved in modern age. 3. Students imbibe eternal and human values from Modern poetry .
CO2	Short story Gadya garima	1. Students get exposed to Hindi literature through short stories easily. 2. Students understand Hindi culture, life situations through stories. 3. Students imbibe values from stories.
CO3	Grammar	1. Students learn the language with the help of grammar. 2. They study Verb, Tense, Karak, Vakyashudhi.
CO4	Functional Hindi	1. Students learn to use Hindi language in functional fields. 2. They get acquainted with writing Letters, Muhavaren. 3. Translation from one language to other.

BBM – II Sem		Course Code - BBMHDL154
CO1	Essay Gadya garima	1. Students get exposed to Hindi literature through Essays in depth. 2. Students develop critical thinking

		and imbibe knowledge.
CO2	**Drama Bakari by Sarveshvar Dayal Saksena**	**1. Students get exposed to Hindi literature through Drama. 2. Students understand Hindi language in depth with the help of dialogues. 3. Students will come to know Hindi culture, life situations through dramas. 3. Also Students imbibe values from dramas.**
CO3	**Functional Hindi**	**1. Students learn to use Hindi language in functional fields. 2. Concepts of Functional hindi, Interview, Bio-data, Comprehension, Media Lekhan, Technology and Hindi**

Assessment : Assignment, individual and team presentations, internal examinations, semester exams.

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Sri Bhuvanendra College, Karkala
Department of Sanskrit

Sri Bhuvanendra College, Karkala is affiliated to Mangalore University, and follows the curriculum prescribed by the University. The College has clearly stated the Programme Outcome, Programme Specific Outcome and Course Outcome of all the programmes and courses. The College offers BA, BCom, BSc, BCA and BBA under UG category. Each programme consists of total 6 semesters.

There are two parts in a programme-

1. Basic foundation courses and
2. Core courses

In 1st, 2nd, 3rd and 4th semesters, 2 languages are offered as Basic foundation courses. Students can choose any two languages of their choice.

Program specific outcome of Department of Sanskrit:

After the completion of the course the student will be able to:

PSO1: Gain knowledge about the nature and culture of Sanskrit language

PSO2: Understand the structural aspects of Sanskritlanguage

PSO3: Apply the knowledge of the grammatical structures to communicate in Sanskrit

PSO4: Analyze the social significance of modern literature.

PSO5: Develop the ability to translate a given text to Sanskrit

PSO6: Developing intellectual and ethical qualities in students through study of literature.

PSO7: Holistic development of personality, Man Making & Nation building through study of literature.

Course outcome for Sanskrit as Foundation course:
(Choice Based Credit System 2019 onwards)

BA – I Semester Course Code - BASSKL131

CO1	Gadyasopanam (RAMAYANA, BHARATHA, BHAAGAVATA, PANCHATANTRA , HITOPADESHA, BHOJAPRABANDHA ETC STORYS)	**1. Students get exposed to Sanskrit literature through short stories easily.** **2. Students understand culture, life situations through stories.** **3. Students imbibe values from stories.**
CO2	**Grammar-** **Varna Vichar, Shabda Rupa, Ling, vachan, karak, Dhatu rupa.**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures.**

BA – II Sem Course Code - BASSKL 181

CO1	Padyasopanam (Subhashitani Guhasamagamaha Gathaha Chanakyanithihi etc)	**1. Students get exposed to Sanskrit literature through Ancient poetry and feel proud of Indian legacy of great literature.** **2. Students understand**

		Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.) **3. Students imbibe eternal and human values from Bhakti Sahitya.** **4. Students learn the language with the help of Subhashita.**
CO2	**Grammar-** **Sandhi,** **Krudanta,** **Taddhitanta,** **Samasa,**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

BA – III Sem Course Code - BASSKL231

CO1	Pratimanatakam (Bhasavirachitam)	**1. Students get exposed to Sanskrit literature through Drama.** **2. Students understand Sanskrit language in depth with the help of dialogues.** **3. Students will come to know Sanskrit culture, life situations through dramas.** **3. Also Students imbibe values from dramas.**
CO2	**1. SANSKRIT TIPPANI** **2. GRAMMER** **3.ALANKARA** **4.METRES**	**1. Students learn to write Tippani in Sanskrit language.** **2. Translation from one language to other.** **3. Students learn Shabhalankara and Arthalankara.(Yamaka, anuprasa, Upama, Roopaka, Utpreksha, Arthantaranyasa)**

		4. Students learn Anushtub, Idravajra, Upendravajra, Vasantatilaka, Mandakranta Metre s.

BA – IV Sem Course Code - BASSKL281

CO1	Nirvahanasopanam (Bhaktiyogaha Mahabharate nirvahanashastram Shukranithihi Indriyajayaha Prahelika etc)	**1. Students learn decision making, problem solving, communication, delegation and time management.** **2. Students understand Sanskrit language in depth with the help of dialogues and parables.**
CO2	**Ancient Nyayas (syllogism)**	**1. Students understand Sundopasunda nyaya, Arundhatidarshana nyaya, Vadhuhastamashamapana nyaya, Simhavalokana nyaya etc 20 nyasyas.** **2. Students understand Sanskrit idioms Lokotki, and Subhashita.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.**

BCom – I Sem Course Code - BCMSKL131

CO1	Gadyavaibhavam (RAMAYANA, BHARATHA, BHAAGAVATA,KADAMBARI, PANCHATANTRA , HITOPADESHA, BHOJAPRABANDHA ETC	**1. Students get exposed to Sanskrit literature through short stories easily.**

	STORYS)	**2. Students understand culture, life situations through stories.** **3. Students imbibe values from stories.**
CO2	**Grammar-**	**1. Students learn the language with the help of grammar.** **2. They study Shabd bhed, Vikari, Avikari, Ling, vachan, karak**
CO3		**1. Students learn to use Hindi language in functional fields.** **2. Letter writing- Sarakari aur Gair sarakari** **3. Translation from one language to other.**

BCom – II Sem Course Code - BCMSKL181

CO1	Padyavaibhavam (Saduktikarnamrutam Devahamanusharupenacaranthi Parcatyahaugramtapaha Viduranithi etc)	**1. Students get exposed to Sanskrit literature through Ancient poetry and feel proud of Indian legacy of great literature.** **2. Students**

		understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.) **3. Students imbibe eternal and human values from Bhakti Sahitya.** **4. Students learn the language with the help of Subhashita.**
CO2	**Grammar-** **Sandhi,** **Krudanta, Taddhitanta,** **Samasa,**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

BCom – III Sem Course Code – BCMSKL231

CO1	Pancharatram (Bhasa virachitam)	**1. Students get exposed to Sanskrit literature through Drama.** **2. Students understand Sanskrit language in depth with the help of dialogues.** **3. Students will come to know Sanskrit culture, life situations through dramas.** **3. Also Students imbibe values from dramas.**
CO2	**1.SANSKRIT TIPPANI** **2. GRAMMER**	**1. Students learn to write Tippani in Sanskrit language.** **2. Translation from one**

	3.ALANKARA **4.METRES**	**language to other.** **3. Students learn Shabhalankara and Arthalankara.(Yamaka, anuprasa, Upama, Roopaka, Utpreksha, Arthantaranyasa)** **4. Students learn Anushtub, Idravajra, Upendravajra, Vasantatilaka, Mandakranta Metre s.**

BCom – IV Sem Course Code - BCMSKL281

CO 1	Vanijyavaibhavam (Kautiya arthasangraha Gitayamnirvahanashastra m Krishiparasharaha Prachinamrajyashastram etc)	**1. Students learn decision making, problem solving, communication, delegation and time management.** **2. Students understand Sanskrit language in depth with the help of dialogues and parables.**
CO 2	**Ancient Nyayas (syllogism)**	**1. Students understand Sundopasunda nyaya, Arundhatidarshana nyaya, Vadhuhastamashamapan a nyaya, Simhavalokana nyaya etc 20 nyasyas.** **2. Students understand Sanskrit idioms Lokotki, and Subhashita.**
CO 3	**Grammar**	**1. Students learn the language with the help of grammar.**

B.Sc – I Semester Course Code - BSCSKL131

CO1	Gadyachandrika (Tatvamasi Yadavikalaha Sukacaritam Sri Ramavataraha Bahubalivairagyam Lobhaha dukhasya karanam etc)	**1. Students get exposed to Sanskrit literature through short stories easily. 2. Students understand culture, life situations through stories. 3. Students imbibe values from stories.**
CO2	**Grammar- Varna Vichar, Shabda Rupa, Ling, vachan, karak, Dhatu rupa.**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures.**

B.Sc – II Sem Course Code - BSCSKL 181

CO1	Padyachandrika (Subhashitani Matsyavataraha Gathamanjari Kautilyanithihi Shlokachamatkara etc)	**1. Students get exposed to Sanskrit literature through Ancient poetry and feel proud of Indian legacy of great literature. 2. Students understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.) 3. Students imbibe eternal and human values from Bhakti Sahitya. 4. Students learn the language with the help of Subhashita.**
CO2	**Grammar- Sandhi, Krudanta, Taddhitanta, Samasa,**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

B.Sc – III Sem **Course Code - BSCSKL231**

CO1	Pratijnayougandha rayanam (Bhasavirachitam)	**1. Students get exposed to Sanskrit literature through Drama. 2. Students understand Sanskrit language in depth with the help of dialogues. 3. Students will come to know Sanskrit culture, life situations through dramas. 3. Also Students imbibe values from dramas.**
CO2	**. SANSKRIT 'IPPANI 2. GRAMMER 3. ALANKARA 4. METRES**	**1. Students learn to write Tippani in Sanskrit language. 2. Translation from one language to other. 3. Students learn Shabhalankara and Arthalankara.(Yamaka, anuprasa, Upama, Roopaka, Utpreksha, Arthantaranyasa) 4. Students learn Anushtub, Idravajra, Upendravajra, Vasantatilaka, Mandakranta Metre s.**

B.Sc – IV Sem **Course Code - BSCSKL281**

CO 1	Vijnanaprasoonam (Jnanayoga Sasyavaividhyam Ayurvedasubhashitani Prachinamrasayanashastra m Patanjalayogadarshana	**1. To provide an understanding and awareness on ancient science tradition. 2. To encourage research on ancient science**

	etc)	**tradition.**
CO 2	**Ancient Nyayas (syllogism)**	**1. Students understand Sundopasunda nyaya, Arundhatidarshana nyaya, Vadhuhastamashamapa na nyaya, Simhavalokana nyaya etc 20 nyasyas. 2. Students understand Sanskrit idioms Lokotki, and Subhashita.**
CO 3	**Grammar**	**1. Students learn the language with the help of grammar.**

B.C.A – I Semester Course Code - BCASKL131

CO1	Gadyachandrika (Tatvamasi Yadavikalaha Sukacaritam Sri Ramavataraha Bahubalivairagyam Lobhaha dukhasya karanam etc)	**1. Students get exposed to Sanskrit literature through short stories easily. 2. Students understand culture, life situations through stories. 3. Students imbibe values from stories.**
CO2	**Grammar- Varna Vichar, Shabda Rupa, Ling, vachan, karak, Dhatu rupa.**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures.**

B.C.A – II Sem Course Code - BCASKL 181

CO1	Padyachandrika (Subhashitani	**1. Students get exposed to Sanskrit literature through**

	Matsyavataraha Gathamanjari Kautilyanithihi Shlokachamatkara etc)	**Ancient poetry and feel proud of Indian legacy of great literature.** **2. Students understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.)** **3. Students imbibe eternal and human values from Bhakti Sahitya.** **4. Students learn the language with the help of Subhashita.**
CO2	**Grammar- Sandhi, Krudanta, Taddhitanta, Samasa,**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

B.C.A – III Sem Course Code - BCASKL231

CO1	Natakachandrika (Natyavivadaha by Kalidasa Nyasanikshepaha by Shudraka)	**1. Students get exposed to Sanskrit literature through Drama.** **2. Students understand Sanskrit language in depth with the help of dialogues.** **3. Students will come to know Sanskrit culture, life situations through dramas.** **3. Also Students imbibe values from dramas.**
CO2	**1.SANSKRIT TIPPANI** **2. GRAMMER** **3.ALANKARA** **4.METRES**	**1. Students learn to write Tippani in Sanskrit language.** **2. Translation from one language to other.** **3. Students learn Shabhalankara and Arthalankara.(Yamaka,**

		anuprasa, Upama, Roopaka, Utpreksha, Arthantaranyasa) **4. Students learn Anushtub, Idravajra, Upendravajra, Vasantatilaka, Mandakranta Metre s.**

B.C.A – IV Sem Course Code - BCASKL281

CO1	Vijnanachandrika (Vrukshayurveda Vichikitsa Chittavruttinirodhaha Nrupatunga katha Karmayogaha etc)	**1. The growth of science in ancient era** **2. To make students aware regarding the progress and innovation made in the field of science.**
CO2	**Ancient Nyayas (syllogism)**	**1. Students understand Sundopasunda nyaya, Arundhatidarshana nyaya, Vadhuhastamashamapana nyaya, Simhavalokana nyaya etc 20 nyasyas.** **2. Students understand Sanskrit idioms Lokotki, and Subhashita.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.**

B.B.A – I Semester Course Code - BBASKL131

CO1	Gadyamouktikam (RAMAYANA, BHARATHA, BHAAGAVATA, PANCHATANTRA , HITOPADESHA, BHOJAPRABANDHA	**1. Students get exposed to Sanskrit literature through short stories easily.** **2. Students understand culture, life situations through stories.**

	ETC STORYS)	**3. Students imbibe values from stories.**
CO2	**Grammar- Varna Vichar, Shabda Rupa, Ling, vachan, karak, Dhatu rupa.**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures.**

BBA – II Sem Course Code - BBASKL 181

CO1	Padyamouktikam (Subhashitasvarasyam Sri sadashivanugraha Gathavallari chatuktayaha Dilipasimhasamvada etc)	**1. Students get exposed to Sanskrit literature through Ancient poetry and feel proud of Indian legacy of great literature. 2. Students understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.) 3. Students imbibe eternal and human values from Bhakti Sahitya. 4. Students learn the language with the help of Subhashita.**
CO2	**Grammar- Sandhi, Krudanta, Taddhitanta, Samasa,**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

BBA – III Sem Course Code - BBASKL231

CO1	Natakamouktikam (Harsahavirachita	**1. Students get exposed to Sanskrit literature through**

	Nagananda Natakam-V & Bhasavirachita Madhyamavyayoga)	**Drama.** **2. Students understand Sanskrit language in depth with the help of dialogues.** **3. Students will come to know Sanskrit culture, life situations through dramas.** **3. Also Students imbibe values from dramas.**
CO2	**1.SANSKRIT TIPPANI** **2. GRAMMER** **3.ALANKARA** **4.METRES**	**1. Students learn to write Tippani in Sanskrit language.** **2. Translation from one language to other.** **3. Students learn Shabhalankara and Arthalankara.(Yamaka, anuprasa, Upama, Roopaka, Utpreksha, Arthantaranyasa)** **4. Students learn Anushtub, Idravajra, Upendravajra, Vasantatilaka, Mandakranta Metre s.**

BBA – IV Sem Course Code - BBASKL281

CO1	Vanijyamouktikam (Samskrute vanijyam Pracinam Rajyashastram Kautiliya arthapadathi Mahabharate nirvahanapadathi Puranalokasya balakau Nyayavadi bidala Patralekhanam Laokikanyaya**)**	**1. Students learn decision making, problem solving, communication, delegation and time management.** **2. Students understand Sanskrit language in depth with the help of dialogues and parables.**
CO2	**Ancient Nyayas**	

	(syllogism)	**1. Students understand Sundopasunda nyaya, Arundhatidarshana nyaya, Vadhuhastamashamapana nyaya, Simhavalokana nyaya etc 20 nyasyas. 2. Students understand Sanskrit idioms Lokotki, and Subhashita.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.**

(Credit Based Semester System 2015-2019)

BA – I Semester Course Code - BASSKL103

CO1	Gadyavatika (Upanishat Papaha tapaya Anushasanaparva Sangheshaktihi etc)	**1. Students get exposed to Sanskrit literature through short stories easily. 2. Students understand culture, life situations through stories. 3. Students imbibe values from stories.**
CO2	**Grammar- Varna Vichar, Shabda Rupa, Ling, vachan, karak, Dhatu rupa.**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures.**

BA – II Sem Course Code - BASSKL 203

CO1	Padyavatika (Sri Ramasamagamaha Gumanishatakam Darpanadashakam Bhajagovindam etc)	**1. Students get exposed to Sanskrit literature through Ancient poetry and feel proud of Indian legacy of great literature. 2. Students understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa,**

		Dhvani, Chand, Alankar etc.) **3. Students imbibe eternal and human values from Bhakti Sahitya.** **4. Students learn the language with the help of Subhashita.**
CO2	**Grammar-** **Sandhi,** **Krudanta,** **Taddhitanta,** **Samasa,**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

BA – III Sem Course Code - BASSKL153

CO1	Natakavatika (Nyasanikshepa by Shudraka Natyavivada by Kalidasa)	**1. Students get exposed to Sanskrit literature through Drama.** **2. Students understand Sanskrit language in depth with the help of dialogues.** **3. Students will come to know Sanskrit culture, life situations through dramas.** **3. Also Students imbibe values from dramas.**
CO2	**2. SANSKRIT TIPPANI** **2. GRAMMER** **3.ALANKARA** **4.METRES**	**1. Students learn to write Tippani in Sanskrit language.** **2. Translation from one language to other.** **3. Students learn Shabhalankara and Arthalankara.(Yamaka, anuprasa, Upama, Roopaka, Utpreksha, Arthantaranyasa)** **4. Students learn Anushtub, Idravajra, Upendravajra, Vasantatilaka, Mandakranta Metre s.**

BA – IV Sem Course Code - BASSKL253

CO1	Nirvahanavatika (Gunatrayavicharaha Mahabharate nirvahanashastram Samasyapariharanam Yogadarshanam etc)	**1. Students learn decision making, problem solving, communication, delegation and time management. 2. Students understand Sanskrit language in depth with the help of dialogues and parables.**
CO2	**Ancient Nyayas (syllogism)**	**1. Students understand Sundopasunda nyaya, Arundhatidarshana nyaya, Vadhuhastamashamapana nyaya, Simhavalokana nyaya etc 20 nyasyas. 2. Students understand Sanskrit idioms Lokotki, and Subhashita.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.**

BCom – I Sem Course Code - BCMSKL103

CO1	Gadyamrutam (Snatakopadeshaha Nalopakhyanaha Vilapatiganga Chanchalalakshmi etc)	**1. Students get exposed to Sanskrit literature through short stories easily. 2. Students understand culture, life situations through stories. 3. Students imbibe values from stories.**
CO2	**Grammar-**	**1. Students learn the language with the help of**

		grammar. **2. They study Shabd bhed, Vikari, Avikari, Ling, vachan, karak**
CO3		**1. Students learn to use Hindi language in functional fields.** **2. Letter writing- Sarakari aur Gair sarakari** **3. Translation from one language to other.**

BCom – II Sem Course Code - BCMSKL203

CO1	Padyamrutam (Nitishatakam Meghasandeshaha Daridryamahima Dashamauktikam etc)	**1. Students get exposed to Sanskrit literature through Ancient poetry and feel proud of Indian legacy of great literature.** **2. Students understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.)** **3. Students imbibe eternal and human values from Bhakti Sahitya.** **4. Students learn the language with the help of Subhashita.**
CO2	**Grammar-** **Sandhi,** **Krudanta,** **Taddhitanta, Samasa,**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing**

		essays.

BCom – III Sem Course Code – BCMSKL153

CO1	Natakamrutam (Bhasa virachitam Madhyamavyayogaha Sriharshavirachitam Naganukampa)	**1. Students get exposed to Sanskrit literature through Drama.** **2. Students understand Sanskrit language in depth with the help of dialogues.** **3. Students will come to know Sanskrit culture, life situations through dramas.** **3. Also Students imbibe values from dramas.**
CO2	**1.SANSKRIT TIPPANI** **2. GRAMMER** **3.ALANKARA** **4.METRES**	**1. Students learn to write Tippani in Sanskrit language.** **2. Translation from one language to other.** **3. Students learn Shabhalankara and Arthalankara.(Yamaka, anuprasa, Upama, Roopaka, Utpreksha, Arthantaranyasa)** **4. Students learn Anushtub, Idravajra, Upendravajra, Vasantatilaka, Mandakranta Metre s.**

BCom – IV Sem Course Code - BCMSKL253

CO1	Vanijyamrutam (Kautiya arthapadathi Samskrute vanijyam Koshasamuddeshaha Nyayavadi Bidalaha etc)	**1. Students learn decision making, problem solving, communication, delegation and time management.** **2. Students understand Sanskrit language in depth**

		with the help of dialogues and parables.
CO2	**Ancient Nyayas (syllogism)**	**1. Students understand Sundopasunda nyaya, Arundhatidarshana nyaya, Vadhuhastamashamapana nyaya, Simhavalokana nyaya etc 20 nyasyas.** **2. Students understand Sanskrit idioms Lokotki, and Subhashita.**
CO3	**Grammar**	**1. Students learn the language with the help of grammar.**

B.Sc – I Semester Course Code - BSCSKL103

CO1	Gadyakaumudi (Upanishat Harisharmakatha Druvasyataponishta Vanaparva etc)	**1. Students get exposed to Sanskrit literature through short stories easily.** **2. Students understand culture, life situations through stories.** **3. Students imbibe values from stories.**
CO2	**Grammar-** **Varna Vichar, Shabda Rupa, Ling, vachan, karak, Dhatu rupa.**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures.**

B.Sc – II Sem Course Code - BSCSKL 203

CO1	Padyakaumudi Aikamatyasuktam	**1. Students get exposed to Sanskrit literature through**

	Upadeshashatakam SriKrishnalila etc)	**Ancient poetry and feel proud of Indian legacy of great literature.** **2. Students understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.)** **3. Students imbibe eternal and human values from Bhakti Sahitya.** **4. Students learn the language with the help of Subhashita.**
CO2	**Grammar-** **Sandhi,** **Krudanta,** **Taddhitanta,** **Samasa,**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

B.Sc – III Sem Course Code - BSCSKL153

C **O1**	Natakakaumudi (Bhasavirachitam Karnabharam Bhagyonmeshaha by Kalidasa)	**1. Students get exposed to Sanskrit literature through Drama.** **2. Students understand Sanskrit language in depth with the help of dialogues.** **3. Students will come to know Sanskrit culture, life situations through dramas.** **3. Also Students**

		imbibe values from dramas.
C O2	**2. SANSKRIT TIPPANI** **2. GRAMMER** **3.ALANKARA** **4.METRES**	**1. Students learn to write Tippani in Sanskrit language.** **2. Translation from one language to other.** **3. Students learn Shabhalankara and Arthalankara.(Yamaka, anuprasa, Upama, Roopaka, Utpreksha, Arthantaranyasa)** **4. Students learn Anushtub, Idravajra, Upendravajra, Vasantatilaka, Mandakranta Metre s.**

B.Sc – IV Sem Course Code - BSCSKL253

CO1	Vijnanakaumudi (Pranivijnanam Vrukshayurvedaha Mahabharate vijnanam etc)	**1. To provide an understanding and awareness on ancient science tradition.** **2. To encourage research on ancient science tradition.**
CO2	**Ancient Nyayas (syllogism)**	**1. Students understand Sundopasunda nyaya, Arundhatidarshana nyaya, Vadhuhastamashamapana nyaya, Simhavalokana nyaya etc 20 nyasyas.**

		2. Students understand Sanskrit idioms Lokotki, and Subhashita.
CO3	**Grammar**	**1. Students learn the language with the help of grammar.**

B.C.A – I Semester Course Code - BCASKL103

CO1	Gadyavallari (Satyamvada Dharmamchara Saubaricharitam Vidyayavindateamrutam etc)	**1. Students get exposed to Sanskrit literature through short stories easily. 2. Students understand culture, life situations through stories. 3. Students imbibe values from stories.**
CO2	**Grammar- Varna Vichar, Shabda Rupa, Ling, vachan, karak, Dhatu rupa.**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures.**

B.C.A – II Sem Course Code - BCASKL 203

CO1	Padyavallari (Subhashitani Navamauktikam Hamsanalamaitri etc)	**1. Students get exposed to Sanskrit literature through Ancient poetry and feel proud of Indian legacy of great literature. 2. Students understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.) 3. Students imbibe eternal and human values from Bhakti Sahitya. 4. Students learn the language**

		with the help of Subhashita.
CO2	**Grammar- Sandhi, Krudanta, Taddhitanta, Samasa,**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

B.B.M – I Semester Course Code - BBMSKL103

CO1	Gadyakusumani (Indriyajayaha Shantiparva Upanishat Saubaricharitam etc)	**1. Students get exposed to Sanskrit literature through short stories easily. 2. Students understand culture, life situations through stories. 3. Students imbibe values from stories.**
CO2	**Grammar- Varna Vichar, Shabda Rupa, Ling, vachan, karak, Dhatu rupa.**	**1. Students learn the language with the help of grammar. 2. They study Phonetics, Syntax, Parts of speech, Language structures.**

B.B.M – II Sem Course Code - BBMSKL 203

CO1	Padyakusumani (Ishopanishat Sitaparityagaha Saptamauktikam etc)	**1. Students get exposed to Sanskrit literature through Ancient poetry and feel proud of Indian legacy of great literature. 2. Students understand Sanskrit in depth. They get exposed to Poetics (i.e. Rasa, Dhvani, Chand, Alankar etc.) 3. Students imbibe eternal and human values from**

		Bhakti Sahitya. **4. Students learn the language with the help of Subhashita.**
CO2	**Grammar-** **Sandhi,** **Krudanta,** **Taddhitanta,** **Samasa,**	**1. Students learn the language with the help of grammar.** **2. They study Phonetics, Syntax, Parts of speech, Language structures and practice writing essays.**

Assessment : Assignment, individual and team presentations internal examinations, semester exams.

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Sri Bhuvanendra College, Karkala
Department of Kannada

PROGRAMME OUTCOME, PROGRAMME SPECIFIC
& COURSE OUTCOME

Sri Bhuvanendra College, Karkala is affiliated to Mangalore University, and follows the curriculum prescribed by the University. The College has clearly stated the Programme Outcome, Programme Specific Outcome and Course Outcome of all the programmes and courses. The College offers BA, BCom, BSc, BCA and BBA under UG category. Each programme consists of total 6 semesters.

There are two parts in a Programme -

1. Basic foundation courses and
2. Core courses

In 1st, 2nd, 3rd and 4th semesters,2 languages are offered as Basic foundation courses. Students can choose any two languages of their choice.

Program specific outcome of Department of Kannada

The Department of Kannada was established in the year 1960, to create a feeling of affection towards Kannada language and literature. The department is making consistent effort to impart all genre of Kannada literature to the students. All the under graduate courses have Kannada as

a Second language in their curriculum to make the students aware of the rich cultural and literary heritage of Karnataka.

Programme objectives for Kannada as Foundation Course –

1. A student having studied Kannada language as a foundation course will have understood the operative principles of Kannada language in terms of its grammar usage and Composition.
2. He or She who has studied Kannada for four semesters will have cultivated competence in writing skills.
3. Those who has studied Kannada for four semesters will have identified and understood the various genres of writings in Kannada literature and will have known the reputed writers of these genres.
4. A student who has studied Kannada for four semesters will have imbibed universal values enshrined in various lessons of Kannada Texts and will have cultivated a positive, ethical and pragmatic outlook with modern scientific temperament.
5 . Self- expression, mental and cultural development.
6 . Man making and nation building through study of literature.

P.S.O.1 A student who has studied Kannada for four semesters will have learnt the art of effective communication having acquired enough linguistic competence for proficiency in Kannada .

P.S.O.2 A student who has studied Kannada four semesters will have learnt to write official and personal letters, job applications, Curriculum vitae, resume, bibliography and make office correspondence effectively.

P.S.O.3 A student who has studied Kannada for four semester will have learnt the basics of public speaking, facing job interviews, participation in group discussion, debating, negotiating skills.

Course outcome of Department of Kannada
Choice Based Credit System – 2019 Onwards

BA – I Semester Course Code - BASKAL 132

	Text Book	Contents	Outcomes	Assessment
CO1	Kala gangotri - 1	Poetry –Hale , Nadu and Hosa Kannada poetry Prose - Short stories, essays, Articles on science and Discussion literature.	1. Students get exposed to various genres of Kannada literature 2. this helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	Unit exercises projects , assignment, classroom activities, internal and semester examinations.
CO2		Additional	Students learn new	

		Learning - Drama	technical aspects and get expose to various technological methods.	

BA – II Sem Course Code - BASKAL182

CO1	Kala gangotri -2	Poetry on Hale,Nadu ,Hosa Kannada , and Folk Literature. Essays,Translation, reflective literature, short story.	1. Students develop and get exposed knowledge of Kannada literature which makes them skilled in literary works	Unit exercises projects , assignment, classroom activities, internal and semester examinations.
CO2		Additional Learning– Précised Novel	1. Students will get to know about regional culture and Language	.

BCom – I Sem Course Code - BCMKAL 132

CO1	Vanijya Gangotri-1	Poetry –Hale , Nadu and Hosa Kannada poetry Prose - Short stories, essays, Articles on science and Discussion literature.	1. Students get exposed to various genres of Kannada literature 2. this helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	Unit exercises, assignments, class room activities, internal and semester examinations.
CO2		Additional learning – Drama and online management	Students learn new technical aspects and get expose to various technological methods.	

BCom – II Sem Course Code - BCMKAL 182

CO1	Vanijya Gangotri-2	Poetry on Hale Nadu Kannada , Essays, reflective literature, short story.	1. Students get exposed to Kannada literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.	Unit exercises, home assignment, class room activities, internal and semester examinations.	
CO2		Additional	1. Students learn the		

		Study – Drama., Article on GST and Précised Novel	present economic scenario. 2.Understanding the regional culture.		

BSc – I Sem Course Code - BSCKAL 132

CO1	Vijnaana Gangotri -1	Kannada Poetry of 13th century, Modern Poetry ,Short stories, essays	1. Students get exposed to various genres of Kannada literature 2. This helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	Unit exercises, assignments, class room activities, internal and semester examinations.
CO2		Additional Learning - Drama	Students will get to know about present regional culture and theatre Form. .	

BSc – II Sem Course Code - BSCKAL 182

CO1	Vijnaana Gangotri -2	Poetry on Hale,Nadu Kannada - folk tales, Translation, reflective literature, short story.	1. Students develop and get exposed knowledge of Kannada literature which makes them skilled in literary works.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional learning – Novel	1. Students will get to know about present regional culture and Language	

BCA – III Sem Course Code - BCAKAL 204

CO1	Nudi-Jenu	Study of Hale Kannada and Hosa Kannada, short story, science articles, reflective articles	. Students get to learn about regional languages and it plays a major role by Implementing eternal and human values through Novel.	Unit exercises projects, assignments, classroom activities, internal and

				semester examinations
CO2		Additional Learning -Kokani Kannada poems Kannada Nudi jaadu, Précised Novel	Students get exposed to Kannada literature through Essays in depth and develop critical thinking and imbibe knowledge.	

BCA – IV Sem Course Code - BCAKAL 254

CO1	Nudi-Nota	Poetry ,Short stories, reflective literature, environmental literature.	It helps in developing a spark in a student to know more about different places , culture and to deal any situation in the life . It also helps them to know more about nature though environment and Science literature.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional learning -Study of Languages such as byari and Folk epics.	Students get exposed to folk epics of other region and also various literature of different Languages.	

BCA – I Sem Course Code - BCAKAL132

CO1	Ganaka Gangotri -1	Poetry – Folk, Hale , Nadu and Hosa Kannada poetry Prose - Short stories, essays, Articles on science and Discussion literature.	1. Students get exposed to various genres of Kannada literature 2. This helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional Learning - Kannada Drama	Students will get to know about present regional culture and theatre Form.	

BCA – II Sem Course Code - BCAKAL 182

CO1	Ganaka Gangotri -2	Poetry on Hale Nadu	1. Students develop and get exposed	Unit exercises

		Kannada Literature. Essays, reflective literature, short story.	knowledge of Kannada literature which makes them skilled in literary works	projects, assignments, classroom activities, internal and semester examinations
CO2		Additional Learning– Drama.	Students will get to know about present regional culture and theatre Form.	

BBA – III Sem Course Code - BBAKAL 204

CO1	Nudi-Viveka	Study of Hale Kannada and Hosa Kannada, short story, reflective article, science articles	. Students get to learn about regional languages and it plays a major role by Implementing eternal and human values through Novel and poems of other regional languages.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional Learning -Kokani Gowda Kannada poems Kannada Nudi jaadu, précised Novel		

BBA – IV Sem Course Code - BBAKAL 254

CO1	Nudi-Saalu	Poetry ,Short stories, reflective literature, environmental literature, travelogue	.It helps in developing a spark in a student to know more about different places , culture and to deal any situation in the life . It also helps them to know more about nature though travelogue and environment literature.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional learning -Study of Languages such as Havyaka,byari and Auto biography	Students get exposed to Auto Biogrphy and also various literature of different Languages	

BBA – I Sem Course Code - BBAKAL 132

CO1	Nirvahana Gangotri -1	Poetry – Folk, Hale , Nadu and Hosa Kannada poetry Prose - Short stories, essays, Articles on science and Discussion literature	1. Students get exposed to various genres of Kannada literature 2. This helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional Learning - Drama	Students will get to know about present regional culture and theatre Form.	

BBA – II Sem Course Code - BBAKAL 182

CO1	Nirvahana Gangotri -1	Poetry on Hale, Nadu Kannada ,Literature. Essays, reflective literature, short story.	Students develop and get exposed knowledge of Kannada literature which makes them skilled in literary works	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional Learning– Précised Novel	Students will get to know about present regional culture and language.	

Course outcome of Department of Kannada
Credit Based Semester System 2015 - 2019

BA – I Semester Course Code - BASKAL 104

	Text Book	Contents	Outcomes	Assessment
CO1	Nudi-nade	Poetry – Folk, Hale , Nadu and Hosa Kannada poetry Prose - Short stories, essays, Articles on science and Discussion literature.	1. Students get exposed to various genres of Kannada literature 2. this helps Students understand about Kannada culture, values and it helps	Unit exercises projects , assignment, classroom activities, internal and semester examinations.

			them get exposed to the present life Scenario.	
CO2		Additional Learning (Kannada kalike and Balake) includes Usage and application of Kannada language. Study of regional languages For E.g., – Tulu, . methods to write an article for Wikipedia and Preparation for Competitive exams	Students learn new technical aspects and get expose to various technological methods.	

BA – II Sem Course Code - BASKAL154

CO1	Nudi - dudime	Poetry on Nadu Kannada , Keerthana and Sangatya Literature. Essays, folk tales, life history, Translation, reflective literature, short story.	1. Students develop and get exposed knowledge of Kannada literature which makes them skilled in literary works	Unit exercises projects , assignment, classroom activities, internal and semester examinations.
CO2		Additional Learning– Drama, Article on GST and study of regional Language – Kodava .	1. Students will get to know about present economic situation, regional culture and theatre Form.	.

BA – III Sem Course Code - BASKAL204

CO1	Nudi-Yorathe	Study of Hale Kannada and Hosa Kannada, short story, science articles.	1. Students get to learn about regional languages and it plays a major role by Implementing eternal and human values through auto biography.	. Unit exercises projects , assignment, classroom activities, internal and semester examinations.
CO2		Additional Learning - Kokani Gowda	.	

		Kannada poems Kannada Nudi jaadu, Auto Biography		

BA – IV Sem Course Code - BASKAL 254

CO1	Nudi-Maale	Poetry ,Short stories, reflective literature, environmental literature, travelogue	1.It helps in developing a spark in a student to know more about different places , culture and to deal any situation in the life . It also helps them to know more about nature though travelogue and environment literature.	Unit exercises projects , assignment, classroom activities, internal and semester examinations.
CO2		Additonal learning - Study of Languages such as Havyaka,byari and Folk epics.	1. Students get exposed to folk epics an d also various literature of different Languages	

BCom – I Sem Course Code - BCMKAL 104

CO1	Jenu - Huttu	Poetry – Folk, Hale , Nadu and Hosa Kannada poetry Prose - Short stories, essays, Articles on science and Discussion literature.	1. Students get exposed to various genres of Kannada literature 2. this helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	Unit exercises, assignments, class room activities, internal and semester examinations.
CO2		Additonal learning - usage and application of Kannada language. Study of regional language – Tulu. Mobile Banking, Kanada	Students learn new technical aspects and get expose to various technological methods.	

		Grammer, Presice writing Skill		

BCom – II Sem Course Code - BCMKAL 154

CO1	Kodagoosu	Poetry on Nadu Kannada - Keerthana and Sangatya Essays, folk songs, life history, reflective literature, short story.	1. Students get exposed to Kannada literature through Essays in depth. 2. Students develop critical thinking and imbibe knowledge.	Unit exercises, home assignment, class room activities, internal and semester examinations.	
CO2		Additional Study – Drama., Article on GST, Study of regional Language like – Kodava .	1. Students learn the present economic scenario. 2.Understanding the regional culture. 3. A special study on theatre form.		

BCom – III Sem Course Code – BCMKAL 204

CO1	Nudi-Noopura	Study of Hale Kannada and Hosa Kannada, short story, science articles.	1. Students get to learn about regional languages and it plays a major role by Implementing eternal and human values through auto biography.	Unit exercises, assignment, class room activities, internal and semester examinations.
CO2		Additional Learning - 1.Kannada nudi jaadu, 2.Autobiography	.	

BCom – IV Sem Course Code - BCMKAL 254

CO1	Nudi-Mantra	Poetry – Nadu Kannada, Short stories, reflective literature, environmental literature, travelogue	1.It helps in developing a spark in a student to know more about different places , culture and to deal any situation in the life . It also helps them to know more about nature though travelogue and environment literature.	Unit exercises, assignments, class room activities, internal and semester examinations.		
CO2		Additional learning - Study of other Languages such as Havyaka,byari. A Marati Travelogue(Translated)				

BSc – I Sem Course Code - BSCKAL 104

CO1	Nudi-Vijnaana	1.Folk tale, Kannada Poetry of 13^{th} century, Modern Poetry and Translated African story.	1. Students get exposed to various genres of Kannada literature 2. This helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	Unit exercises, assignments, class room activities, internal and semester examinations.	
CO2		Additional Learning (Kannada kalike and Balake) includes Usage and application	Students learn new technical aspects and get expose to various technological methods.		

		of Kannada language. Study of regional languages For E.g., – Tulu, . methods to write an article .		

BSc – II Sem Course Code - BSCKAL 154

CO1	Nudi-Shilpa	Poetry on Nadu Kannada - Keerthana and Sangatya Literature. Essays, folk tales, life history, Translation, reflective literature, short story.	1. Students develop and get exposed knowledge of Kannada literature which makes them skilled in literary works.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional learning - Drama. Article on GST . Study of regional Language – Kodava .	1. Students will get to know about present economic situation, regional culture and theatre Form. .	

BSc – III Sem Course Code - BSCKAL 204

CO1	Nudi-Belaku	Study of Hale Kannada and Hosa Kannada, short story, science articles.	. Students get to learn about regional languages and it plays a major role by Implementing eternal and human values through articles and Novel	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional Learning - Kokani Gowda Kannada poems Kannada Nudi jaadu and Précised Novel	.	

BSc – IV Sem Course Code - BSCKAL 254

CO1	Nudi-Deepa	Poetry ,Short stories, reflective literature	It helps in developing a spark in a student to	Unit exercises

		environmental literature.	know more about different places , culture and to deal any situation in the life . It also helps them to know more about nature though environment literature.	projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional learning - Study of Languages such as Havyaka,byari and Folk epics.	Students get exposed to folk epics and also various literature of different Languages	

BCA – I Sem Course Code - BCAKAL104

CO1	Padachittaara	Poetry – Folk, Hale , Nadu and Hosa Kannada poetry Prose - Short stories, essays, Articles on science and Discussion literature.	1. Students get exposed to various genres of Kannada literature 2. This helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional Learning (Kannada kalike and Balake) includes Usage and application of Kannada language. Study of regional languages For E.g., – Tulu, . methods to write an article for Wikipedia and Preparation for Competitive exams	Students learn new technical aspects and get expose to various technological methods.	

BCA – II Sem Course Code - BCAKAL 154

CO1	Haalunda Tavaru	Poetry on Nadu Kannada , Keerthana and	1. Students develop and get exposed knowledge of Kannada	Unit exercises projects

		Sangatya Literature. Essays, folk tales, life history, Translation, reflective literature, short story.	literature which makes them skilled in literary works	assignments, classroom activities, internal and semester examinations
CO2		Additional Learning– Drama, Article on GST and study of regional Language – Kodava .	1. Students will get to know about present economic situation, regional culture and theatre Form.	

BCA – III Sem Course Code - BCAKAL 204

CO1	Nudi-Jenu	Study of Hale Kannada and Hosa Kannada, short story, science articles, reflective articles	. Students get to learn about regional languages and it plays a major role by Implementing eternal and human values through Novel.	Unit exercises projects, assignments, classroom activities, internal and semester examinations
CO2		Additional Learning -Kokani Kannada poems Kannada Nudi jaadu, Précised Novel	Students get exposed to Kannada literature through Essays in depth and develop critical thinking and imbibe knowledge.	

BCA – IV Sem Course Code - BCAKAL 254

CO1	Nudi-Nota	Poetry ,Short stories, reflective literature, environmental literature.	It helps in developing a spark in a student to know more about different places , culture and to deal any situation in the life . It also helps them to know more about nature though environment and Science literature.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional learning - Study of Languages such as byari and Folk epics.	Students get exposed to folk epics of other region and also various literature of different Languages.	

BBA – I Sem Course Code - BBAKAL104

CO1	Paataragitti	Poetry – Folk, Hale , Nadu and Hosa Kannada poetry	1. Students get exposed to various genres of Kannada literature	Unit exercises projects, assignments

		Prose - Short stories, essays, Articles on science and Discussion literature and translated story.	2. This helps Students understand about Kannada culture, values and it helps them get exposed to the present life Scenario.	classroom activities, internal and semester examinations.
CO2		Additional Learning (Kannada kalike and Balake) includes Usage and application of Kannada language. Study of regional languages For E.g., – Tulu, . methods to write an article for Wikipedia and Preparation for Competitive exams	Students learn new technical aspects and get expose to various technological methods.	

BBA – II Sem Course Code - BBAKAL 154

CO1	Baanaadi	Poetry on Nadu Kannada , Keerthana and Sangatya Literature. Essays, folk tales, life history, Translation, reflective literature, short story.	Students develop and get exposed knowledge of Kannada literature which makes them skilled in literary works	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional Learning– Drama, Article on GST and study of regional Language – Kodava .	Students will get to know about present economic situation, regional culture and theatre Form.	

BBA – III Sem Course Code - BBAKAL 204

CO1	Nudi-Viveka	Study of Hale Kannada and Hosa Kannada, short story, reflective article.	. Students get to learn about regional languages and it plays a major role by Implementing eternal	Unit exercises projects, assignments, classroom

		science articles	and human values through Novel and poems of other regional languages.	activities, internal and semester examinations.
CO2		Additional Learning -Kokani Gowda Kannada poems Kannada Nudi jaadu, précised Novel		

BBA – IV Sem Course Code - BBAKAL 254

CO1	Nudi-Saalu	Poetry ,Short stories, reflective literature, environmental literature, travelogue	.It helps in developing a spark in a student to know more about different places , culture and to deal any situation in the life . It also helps them to know more about nature though travelogue and environment literature.	Unit exercises projects, assignments, classroom activities, internal and semester examinations.
CO2		Additional learning - Study of Languages such as Havyaka,byari and Auto biography	Students get exposed to Auto Biogrphy and also various literature of different Languages	

Bachelor of Arts (B.A.)

History

Program Outcomes

The arts undergraduate program is designed to achieve the following outcomes:

PO1:- To integrate the topics by interlinking knowledge, skills, values and attitudes to action

PO2:- To develop the ability to describe and compare the roles, impacts and ethical implications of ideas, social activities and contemporary situations.

PO3:- .Produce graduates with a foundation in professional ethics who will actively seek to positively impact their profession and society.

PO4:- Obtain the skills and develop a critical understanding of social, political economic and cultural processes, to present the ideas effectively in order to connect between the local, regional and global.

PO5:- To build the contents to make it an integrated and interdisciplinary program with flexibility and choice.

PO6:- Humanities education is designed in such a way that it lays particular emphasis on human values. Students on completion of the undergraduate degree will be better able to appreciate the literary and cultural diversity.

Programme Specific Outcomes

1. History

Students successfully completing the B.A. programme with History will develop skills, competencies, and knowledge which will enable them to achieve their expected goals in future.

PSO1:- Students will learn the general course of human history in multiple areas of the world.

PSO2:-Students will learn to explain how and why important events happen and change occurs over time.

PSO3:-Students gets knowledge about the chronology, narrative, major events, personalities and turning points of ancient, medieval and modern history.

PSO4: Students will be able to evaluate historical sources by analyzing them in relation to the present situation.

PSO5:- Students will be able to understand major historical developments based on historical analysis of interrelated political, social, economic, cultural and intellectual processes.

COURSE - OUTCOMES (HISTORY)

COURSE	OUTCOMES	ASSESSMENT
B.A FIRST SEMESTER PAPER : BASHTC 131 – INDIA IN THE EARLY HISTORICAL PERIOD (A.D.300)	➢ On completion students understand the concepts of historical writings. ➢ Students have studied socio-economic conditions of Ancient India.	Unit exercise, classroom activities, assignments, internal and semester examinations.
B.A SECOND SEMESTER PAPER : BASHTC 181 – INDIA IN THE EARLY MEDIEVAL INDIA (A.D.300 TO 1300)	➢ On successful completion of the course students have understand the political history of early medieval period. ➢ Students acquired knowledge about cultural contributions of dynasties of early medieval period.	Unit exercise, classroom activities, assignments, internal and semester examinations
B.A THIRD SEMESTER PAPER : BASHTC 231 – MEDIEVAL INDIA (A.D.1206-1556)	➢ Students obtained the ideas about political, social and economic conditions of Delhi sultanate. ➢ Students acquired the knowledge about Afghans- Mughals struggles in medieval India	Unit exercise, classroom activities, assignments, internal and semester examinations
B.A FOURTH SEMESTER PAPER: BASHTC 281 – EARLY MODERN INDIA (A.D.1605-1856).	➢ Students understand the Mughal domination and also Polity and society of Mughals. ➢ They developed the skill to understand the European domination and consolidation of British Empire.	Unit exercise, classroom activities, assignments, internal and semester examinations
B.A FIFTH SEMESTER PAPER BASHTC 331 : COLONIAL INDIA (A.D.1856-1885)	➢ Students realised the concept of colonialism and rule of English east India Company. ➢ Students get knowledge about the factors of Indian nationalism.	Unit exercise, classroom activities, assignments, internal and semester examinations
B.A FIFTH SEMESTER PAPER BASHTC 332 – HISTORY OF EUROPE (A.D.1789 -1990)	➢ Students get knowledge about the age of ancient regime and also age of reaction in Europe. ➢ They acquired an idea about theme of Nationalism in Europe. ➢ Students get an additional knowledge about the causes, courses and consequences of World Wars.	Unit exercise, classroom activities, assignments, internal and semester examinations
B.A SIXTH SEMESTER PAPER BASHTC 138 –MAKING OF THE INDIAN NATION (A.D.1885-1947)	➢ It enables students to understand the Indian National Movements. ➢ Students have gained the knowledge about role of Gandhi in Indian politics. ➢ Students gained the knowledge to understand the socio-cultural awaking.	Unit exercise, classroom activities, assignments, internal and semester examinations
B.A SIXTH SEMESTER PAPER BASHTC 382 – HISTORY OF KARNATAKA (A.D 1565-1956)	➢ They have understood the conditions of Karnataka after the fall of Vijayanagara empire. ➢ They got an idea to understand colonial domination in Karnataka. ➢ [illegible]	Unit exercise, classroom activities, assignments, internal and semester examinations

	about the contributions of Wodeyars in Mysore.	
B.A THIRD SEMESTER CORE ELECTIVE PAPER BASHTOE 281 – CURRENT ISSUES AND THEIR HISTORICAL PERSPECTIVE.	➢ Students get an idea about current issues and historical consequences. ➢ They develop the skill to understand the problems of the world.	Unit exercise, classroom activities, assignments, internal and semester examinations
B.A FOURTH SEMESTER – OPEN ELECTIVE PAPER BASHTOE 231 –TOURISM IN INDIA	➢ Students thoroughly grasp the concept of tourism and maintain competitiveness of India as tourist destination. ➢ Students get knowledge about historical writings in ancient medieval and modern period.	Unit exercise, classroom activities, assignments, internal and semester examinations

2. Economics

PSO1:- Students will develop the ability to apply theoretical knowledge of Micro and Macro Economics to explain the behaviour of individuals, businesses and industries in market-based systems and analyze the challenges of developing economies.
PSO2: It is an important subject opted for different competitive exams i.e. Indian Economic Services (IES), Indian Administrative Services (IAS), Banking, National Sample Survey, Ministry of Foreign Affairs, NITI Aayog etc.
PSO3:- Students will be able to explain the role of the government in the economy, including taxation, expenditure and production. They will also be able to analyze the impact of fiscal and monetary policy in the economy.
PSO4:-It will enhance the ability to analyze economic behaviour and helps to effectively communicate economic ideas to solve the various economic problems.
PSO5:-The study will help in enhancing numerical and computing ability, Along with this; Students will acquire problem solving skills and develop a logical way of dealing with various economic issues.

COURSE - OUTCOMES (Economics)

COURSE	OUTCOMES	ASSESSMENT
B.A Ist SEMESTER: Paper : Micro Economic analysis(BASECC131)	❖ The subject micro economics build upon the undergraduate knowledge in Micro economic theory. ❖ It gives an advanced treatment of micro theoretic tools done in most good universities in the world.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars.
Elective Paper B.A Ist Semester- Paper:- Manpower Economics BASECC131	❖ *Human resource planning comprises putting the right number and kind of people at the right place, at the right time, and making them do things for which they are suited, to achieve business goals.* ❖ *In the era of industrialization, structured HR planning has become a really important aspect.*	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars.
B.A IInd SEMESTER: Paper: Macro Economic analysis(BASECC181)	❖ The objective of macroeconomic analysis is to maximize the level of national income, providing economic growth to raise the utility and standard of living in the economy. ❖ It leads to the maximization of income over the long run.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work.
B.A IIIrd SEMESTER: Paper : Monetary Economics (BASECC.231)	❖ The objectives of monetary Economics are to maintain reasonable price stability, high employment and faster rate of	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project

	❖ It helps to stabilize the supply of bank credit, interest rate and the supply of money.	
B.A IVth SEMESTER : Paper – International Economics(BASECC.281)	❖ To know the theories of international trade. ❖ To understand the nations balance of payment position.	Unit exercises/test, regular assignment, class room activities, internal examinations .and semester examinations, seminars, Project work, model building.
B.A IIIrd Semester -Open Elective Paper :- Karnataka Economy(BASECE281)	❖ It helps to know the economic aspects of Karnataka state. ❖ It realise the problems of economic growth of Karnataka.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars
B.A Vth SEMESTER PAPER :- Economic thought (BASECC331)	❖ It helps to extent the economic ideas developed during the different periods ❖ It helps to describe, compare and contrast the different versions of theory of value.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building.
B.A Vth SEMESTER PAPER: Development Economics (BASECC.332 (A)	❖ Economic development is a process aiming at the promotion of the real national income of a country ❖ It helps to better utilization and improvement of the resources in production process in different sectors of underdeveloped countries.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building.
B.AVIth SEMESTER PAPER: Indian Economics (BASECC 601)	❖ To understand the basic problems of Indian economy. ❖ To understand the changing trends in the Indian economy.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building.
B.A VIth SEMESTER PAPER: Environmental Economics (BASECC.602 (B)	❖ It concerned with how economic institutions and policies can be changed to bring environmental impacts more into balance with human desires and the needs of the ecosystem. ❖ It covers both micro and macro aspects of different pollution problems.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building.
BCOM- Ist SEMESTER BCMCMC 134 : Business Economics	❖ To have consistent and coherent command of the language of Economics, its standard terms and basic concepts. ❖ Analyse how economic agents make decisions and choices using theoretical knowledge & practical approach.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building, viva- voc.
B.COM – IInd SEMESTER BCMCMC 184 : Money and Public Finance	❖ To enable the students to understand the basic concepts of money & functioning of the money market. ❖ To help the students to acquire knowledge about the functioning of the economic system & about economic fluctuations.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building, viva- voc.

	understand the working of the banking system & the monetary policy. To enable the students to understand the importance of Inter-National Finance.	
B.COM-III[rd] SEMESTER BCMCMC 233: MODERN BANK MANAGEMENT	• To make the students understand the Concepts Banking and gain insights on the subject matter. • To enable the students to understand the importance of banking system. • To help the student to understand the innovations in the modern banking system	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building, viva- voc.
B.COM – IV[th] SEMESTER BCMCMC 283: INTERNATIONAL TRADE	❖ To understand the basics of International Trade ❖ To give global economic touch to the students ❖ To understand about exchange rate and balance of payments ❖ To know the latest developments in WTO and BRICS	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building, viva- voc.
BBA-I[st] SEMESTER - BBABMC 132: PRINCIPLES OF ECONOMICS	❖ To familiarize the students with the basic economic concepts and theories which are required for Business and Management. ❖ To make the students to understand the theoretical elements of economics	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building, viva- voc.
BBA II[nd] SEMESTER BBA –BMC182: MANAGERIAL ECONOMICS	❖ Providing basic knowledge to apply concepts and theories to facilitate decision making and forward planning. ❖ To understand concepts managerial elements in economics.	Unit exercises/test, regular assignment, class room activities, internal examinations and semester examinations, seminars, Project work, model building, viva- voc.

3. Political Science

PSO1:-The B.A in Political Science prepares graduates to understand fundamental concepts in the discipline of Political Science.
PSO2: Graduates can have many opportunities for careers in Psephology, Political Content Writer, Academician, Public Administrator, PR Executive Public relations.
PSO3:-Understanding of how political institutions, processes, laws, and ideas combine to influence policy and political outcomes and it helps to Understand and explain political theories and political systems in different parts of world.
PSO4:- Understand the political system of India including the structure and relationship between different types of government.
PSO5:- Understand National and International political matters

COURSE - OUTCOMES (POlitical Science)

COURSE	OUTCOMES	ASSESSMENT
B.A- FIRST SEMESTER Paper 1: BASPSC 131 – INTRODUCTION TO POLITICAL SCIENCE.	❖ Students have understood the concepts of fundamental areas in Political Science. ❖ Students got knowledge about the day to day Political Happenings and understand political aspects in larger context.	Unit exercises, home assignment, class room activities, internal and semester examinations
B.A – SECOND SEMESTER PAPER 2 : BASPSC181– INDIAN POLITICAL SYSTEM	❖ Students get aware about the issues of political system ❖ Students get an idea to assess Indian political system and also political happenings around them.	Unit exercises, home assignment, class room activities, internal and semester examinations

B.A -THIRD SEMESTER PAPER 3 :BASPSC231 – MODERN POLITICAL SYSTEMS	❖ Students obtained Knowledge about modern government and to develop an ability to compare and contrast political systems. ❖ It enables students to have a sound grasp of the methodology of comparison.	Unit exercises, home assignment, class room activities, internal and semester examinations
B.A –FOURTH SEMESTER PAPER 4: BASPSC281 – INDIAN POLITICAL THINKERS	❖ It makes the students to understand the political traditions existed in the past. ❖ Students understand the major contributions of political thinkers and develop the value to build healthy society.	Unit exercises, home assignment, class room activities, internal and semester examinations
B.A –FIFTH SEMESTER PAPER 1: BASPSC 301– PUBLIC ADMINISTRATION	❖ Students understand the major components of public administration. ❖ Students get the knowledge to assess objective & output of the public institution.	Unit exercises, home assignment, class room activities, internal and semester examinations
B.A –FIFTH SEMESTER PAPER : BASPSC 302 –INTERNATIONAL RELATION: THEORY AND CONCEPTS	❖ It enables the students to grasp theoretical bases of international relation & foreign policies of the major powers. ❖ They got the knowledge about international organizations and administrations.	Unit exercises, home assignment, class room activities, internal and semester examinations
B.A – SIXTH SEMESTER PAPER 1 : BASPSC 351–INTERNATIONAL RELATIONS: STRUCTURES AND PROCESSES	❖ Students understand the major development in international relations. ❖ Students obtained knowledge about major global institutions and also aspects of India's foreign policy with others.	Unit exercises, home assignment, class room activities, internal and semester examinations
B.A – SIXTH SEMESTER PAPER 2: BASPSC–352 THEORY AND PRACTICE OF MANAGEMENT.	❖ Student's obtained knowledge about theory and practice of management. ❖ Students develop the knowledge about administrative skills and techniques and grasp the new developments in management.	Unit exercises, home assignment, class room activities, internal and semester examinations
B.A- SECOND SEMESTER-ELECTIVE PAPER BASPSCE 182 –DEMOCRATIC DECENTRALISATION IN INDIA	❖ Students acquired knowledge about democratic institutional traditions of India. ❖ Students obtained the knowledge about the make use of democratic institutions (PRIs).	Unit exercises, home assignment, class room activities, internal and semester examinations
B.A –FOURTH SEMESTER –OPEN ELECTIVE BASPSOE 282 – SOCIO-POLITICAL MOVEMENTS IN INDIA	❖ Students grasp the concepts of different areas of contestation and its implications. ❖ Students engage and relate themselves in the larger socio-political expressions needed for the social change.	Unit exercises, home assignment, class room activities, internal and semester examinations
FIRST SEMESTER – ELECTIVE	❖ Students [illegible]	[illegible]

FOUNDATION COURSE BASCIF 131 – CONSTITUTION OF INDIA	institutions, processes, constitutional background & policy outcomes of the government. ❖ Students get an idea about the state and central government administration.	assignment, class room activities, internal and semester examinations
SECOND SEMESTER ELECTIVE FOUNDATION COURSE BASHRF 181 – HUMAN RIGHTS	❖ They developed awareness among students regarding human rights issues. ❖ Students understand the significance and usage of human rights in daily life.	Unit exercises, home assignment, class room activities, internal and semester examinations
THIRD SEMESTER ELECTIVE FOUNDATION COURSE BASGEF 231 – GENDER EQUITY	❖ Students realize the significance of gender equality. ❖ Students obtained the knowledge about measures to promote gender equality.	Unit exercises, home assignment, class room activities, internal and semester examinations
FOURTH SEMESTER –ELECTIVE FOUNDATION COURSE: BASESF 281 : ENVIRONMENTAL STUDIES	❖ Students increased the knowledge about the Environmental awareness. ❖ Students enlarged their knowledge about environmental legislations and policies.	Unit exercises, home assignment, class room activities, internal and semester examinations

PSYCHOLOGY

.PROGRAMMESOFFERED:

A. B.A (Psychology, English, Journalism) a three year, six semester degree course.

B. Open Elective Courses – for first four semesters.

Program outcomes for Psychology as a major subject in B.A Degree course:

PO #1: Fundamental Knowledge: Students will have gained ability to recognize, compare and apply the core domains of Psychology. Outcome #1: Fundamental recognize, co

PO#2: Diversity; Students will have learnt to recognize and respect the complexity of human behaviour

PO#3: Professional and personal development: Students will understood the value of psychology in personal and professional domains

PO#4: Ethical issues: Students will demonstrate a thorough knowledge of ethical and professional behaviour within the psychology profession.

P.S.O#5: will have acquired the skills effective communication of psychological concepts and presentation and interpretation of psychological data in accordance with professional guidelines

P.S.O #6: To develop soft skills like scientific writing and presentations effective communication, to apply psychological knowledge in professional settings.

P.S.o#7: Research Acumen: To interpret and demonstrate how research methods are used to test alternative expressions of human behaviour both theory and practical

COURSE OUTCOMES:

C.O #B.A IST SEMESTER: FOUNDATIONS OF BEHAVIOR-I: Upon successful completion of this course, students will,

C.O#1: Be able to describe the major concepts, language, and major theories of the discipline to account for psychological phenomena

C.O#2: Be able to explain the major perspectives of psychology (e.g., biological, cognitive, behavioural, and sociocultural, etc.)

C.O#3: Be able to explain the historical trends in the discipline of psychology

C.O #4: Demonstrate an understanding of psychological theory regarding the relationship between physiology, cognition, and emotion.

C.O #B.A II SEMESTER: FOUNDATIONS OF BEHAVIOR-II -Upon successful completion of this course, students will,

C.O#1: understand the process of memory and techniques to improve it in everyday life situations

C.O#2: Demonstrate knowledge of how acquisition of skills brings about changes in behaviour

C.O#3: Analyze and explain the major theories of personality and understand major components and assessment of personality.

C.O #B.A III SEMESTER: FOUNDATIONS OF BEHAVIOR-III -Upon successful completion of this course, students will,

C.O#1; understand the stages of lifespan development

C.O#2: describe the processes of heredity, human reproduction, and prenatal development.

C.O#3: sensitized about childhood disorders and possible ways of handling them
C.O#4: have knowledge about the role of heredity and environment on growth and development
C.O # B.A IV SEMESTER: LIFESPAN DEVELOPMENT –II Upon successful completion of this course, students will,

C.O#1: be enabled to trace the development of human sexuality from childhood to old age.

CO#2: educated on the age related physical and psychological health issues

C.O#3: distinguish the different types of aging, and what causes these different types of aging.

C.O#4: proficient in understanding the different social support theories and how relationships change in later life.

C.O # B.A V SEMESTER: SOCIAL PSYCHOLOGY -Upon successful completion of this course, students will,
C.O#1: know the significance of interpersonal relationship
C.O#2: understand the concept of pro social behaviour and other concepts
C.O#3: study the various social issues like attitude prejudice and discrimination
C.O#4: acquire knowledge about role of aggression on behaviour
C.O # B.A V SEMESTER: ABNORMAL PSYCHOLOGY (BASPYC332)-Upon successful completion of this course, students will,
C.O#1: impart knowledge about the differences between normal and abnormal
C.O#2: have an overview of criteria of abnormality
C.O#3: familiarize with the symptoms and causes of prevailing mental disorders as per international classifications
C.O#4: be aware about rehabilitation and therapies available

C.O # B.A VI SEMESTER: HEALTH PSYCHOLOGY (BASPYC381)-Upon successful completion of this course, students will,
C.O#1: be acquainted about the need of health psychology and health related behaviours
C.O#2: understand the impact between stress and health
C.O#3: have awareness about health damaging and promoting lifestyles
C.O#4: have the knowledge as to how to maintain ones health by means of coping strategies
C.O # B.A VI SEMESTER: ORGANIZATIONAL BEHAVIOUR (BASPYC382)-Upon successful completion of this course, students will,
C.O#1: be familiarized with the field of industrial psychology
C.O#2: know the importance of psychology at workplace
C.O#3: apply the knowledge gained here in his workplace
C.O#4: understand the role of motivation and leadership at workplace
C.O # B.A I SEMESTER: health and wellbeing (BASPYE01)-Upon successful completion of this course, students will,
C.O#1: be sensitized about mental health and hygiene
C.O#2: be aware about health behaviour
C.O#3: understand the skills of pain management
C.O # B.A II SEMESTER: Personality Development (BASPYE02)-Upon successful completion of this course, students will,
C.O#1: acquire knowledge about personality development
C.O#2: have the skill of coping with the stress
C.O#3:be equipped with the essential soft skills
C.O # B.A III SEMESTER: Positive Psychology (BASPYE03)-Upon successful completion of this course, students will,
C.O#1: highlight the positive aspects of psychology enhancing well being
C.O#2: have the knowledge about happiness, mindfulness, and resilience
C.O # B.A IV SEMESTER: Employability skills (BASPYE04)-Upon successful completion of this course, students will,
C.O#1: be acquainted about the necessary employability skills
C.O#2: identify one's own skills and improve on other weak areas

JOURNALISM

.PROGRAMMESOFFERED:
A. B.A (Journalism Psychology, English,) a three year, six semester degree course.
B. Open Elective Courses – for first four semesters.
Program outcomes Journalism as a major subject in B.A Degree course:

POs #1: A student having studied Journalism as a major course will have understood the Media Writing style and Speaking Skills.

POs # 2: will have cultivated competence in Reporting, writing articles, Photography, Short Movie, Documentary Making, Editing, Voice over and

Anchoring skills, Wall Magazine, college Practical Journal "BHUVANA VAHINI" actively participating in these activities.

POs # 3.A Student who has studied Journalism for six semesters will have identified and understood the various genres of writings to the News Papers and Regional Magazines.

POs # 4. Students also learns the skills of presenting the PPT paper presentation and practical oriented assignment (advertisement copy making prepared by students).

PSO # 5: A Student who has studied Journalism for six semesters will have learnt the basics of Journalism like photography, videographer and writing to the different media.

PSO # 6: Students will learn the skills of effective writing and Anchoring, Movie Making, Documentary, voice over skills.

PSO # 7: Student who has studied Journalism they learnt to write articles to the Newspapers, Voice over to the Local Channel, participating various campus competition and events Seminars, workshops, etc. Students learnt the public speaking, facing job interviews, participation in group discussion, debating, negotiating skills and undergoing the internship in various media like newspapers, websites and TV channels.

COURSE - OUTCOMES Journalism

COURSE	OUTCOMES	ASSESSMENT
B.A- FIRST SEMESTER Paper 1: BASJRC 101 – INTRODUCTION TO MASS COMMUNICATION	❖ Students will understand the concepts of Communication. Students get knowledge about the importance of communication and skills and various communication media.	Communication exercises, home assignment, class room activities, internal and semester examinations
B.A – SECOND SEMESTER PAPER 2 : BASJRC151– EVOLUTION OF INDIA	❖ Students will learn about History of Journalism. and history of Some of the national and regional News paper ❖ Printing press, Radio, TV and Indian Cinema history.	home assignment, class room activities, internal and semester examinations
B.A -THIRD SEMESTER PAPER 3 :BASJRC203 – REPORTING	❖ Students will Reporting writing style. ❖ College events reports covered by students.	writing reports in various methods, home assignment, class room activities, internal and semester examinations
B.A –FOURTH SEMESTER PAPER 4: BASJRC 251 – EDITING	❖ Students have learned editing by using software like indesign and Photoshop	Translating assignment, class room activities, internal and

	.They will practice making wall magazine and practical journal.	semester examinations
B.A –FIFTH SEMESTER PAPER 5: BASJRC 301– FEATURE WRITING	❖ Students will learn different styles of feature writing for the print media..	Writing feature in various types of feature, class room activities, internal and semester examinations
B.A –FIFTH SEMESTER PAPER 6 : BASJRC 302 ADVERTISING	❖ Students obtain knowledge about Advertising in Industries and making advertising copy to the media.	Advertisement copy making, script writing, class room activities, internal and semester examinations
B.A – SIXTH SEMESTER PAPER 7 : BASJRC351–PUBLIC RELATIONS	❖ Students obtain knowledge about Public relations department in various industries/firms.	Publicity work, class room activities, internal and semester examinations
B.A – SIXTH SEMESTER PAPER 8: BASJRC–352 MEDIA LAW AND MANAGEMENT.	❖ Students obtain knowledge about legal issues related to media, certain rules, restriction and management functions of media houses.	home assignment, class room activities, internal and semester examinations