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Department of English

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
General English	**II**	**III**	**III**	**A COURSE IN CONVERSATIONAL SKILLS**	The Expected learning outcomes of the general English the students are expected course is that to demonstrate the following: CO 1: Speak fluently in English CO 2: Participate confidently in any social interaction CO 3: Face any professional discourse CO 4: Demonstrate critical thinking CO 5: Enhance conversational skills by observing the professional interviews
Advanced English	**II**	**IV**	**V**	**GLIMPSES OF WORLD LITERATURE**	CO 1: demonstrate and understand of world literature. CO 2: identify features of social and historical backgrounds of world literature. CO 3: Write and give presentations on topics pertaining to various authors and critics from various parts of the world. CO 4: Analyse different literary texts and understand the demographic variations in the prescribed texts. CO 5: write creatively to gain employability as writers in different areas.

Department of Telugu

అభ్యసనఫలితాలు2021-2022

Subject	Year	Semester	Course	Title of the course	Course outcomes
జనరల్తెలుగు	I	I	Paper I	ప్రాచీనకవిత్వం	CO1:ప్రాచీనతెలుగుసాహిత్యంయొక్కప్రాచీనతను, విశిష్టతనుగుర్తిస్తారు. తెలుగుసాహిత్యంలోఆదికవిననన్నయకాలంనాటిభాషాసంస్కృతులను, ఇతిహాసకాలంనాటిరాజనీతివిషయాలపట్లపరిజ్ఞానాన్నిసంపాదించగలరు. CO2:శివకవులకాలంనాటిమతపరిస్థితులను, భాషావిశేషాలనుగ్రహిస్తారు. తెలుగునుడికారం, సామెతలు, లోకోక్తులుమొదలైనభాషాంశాలపట్లపరిజ్ఞానాన్నిపొందగలరు. CO3:తిక్కనభారతంనాటిమత, ధార్మికపరిస్థితులను, తిక్కనకవితాశిల్పాన్ని, నాటకీయతనుఅవగాహనచేసుకోగలరు. CO4:ఇతిహాసకవిత్వంలోనివిభిన్నరీతులపట్లఅభిరుచినిపొందగలరు. శ్రీనాథునికాలంనాటికవితావిశేషాలను, మొల్లకవితావిశిష్టతనుగుర్తించగలరు. CO5:తెలుగుపద్యంస్వరూప-స్వభావాలను, సాహిత్యాభిరుచినిపెంపొందించుకుంటారు. ప్రాచీనకావ్యభాషలోనివ్యాకరణాంశాలనుఅధ్యయనంచేయడంద్వారాభాషాసామర్థ్యాన్ని, రచనలమెళకువలనుగ్రహించగలరు.
		II	Paper II	ఆధునికతెలుగుసాహిత్యం	CO1: .ఆంగ్లభాషప్రభావంకారణంగాతెలుగులోవచ్చినఆధునికసాహిత్యాన్ని, దానివిశిష్టతనుగుర్తిస్తారు. CO2:సమకాలీనఆధునికసాహిత్యప్రక్రియలైన “ వచనకవిత్వం, కథ, నవల, నాటకం, విమర్శ”లపైఅవగాహనపొందుతారు. CO3:భావకవిత, అభ్యుదయకవితాలక్ష్యాలనుగూర్చినజ్ఞానాన్నిపొందుతారు. అస్తిత్వవాదఉద్యమాలపుట్టుకను, ఆవశ్యకతనుగుర్తిస్తారు. CO4:కథాసాహిత్యంద్వారాసామాజికచైతన్యాన్నిపొందుతారు. సిద్ధాంతాలద్వారాకాకుండా, వాస్తవపరిస్థితులనుతెలుసుకోవడంద్వారాసిద్ధాంతాన్నిసమీక్షించగలరు. CO5:ఆధునికతెలుగుకల్పనాసాహిత్యంద్వారాసామాజిక, సాంస్కృతిక, రాజకీయచైతన్యాన్నిపొందుతారు.

		III	**Paper III**	సృజనాత్మకరచన	CO1:తెలుగుసాహిత్యఅభ్యసనద్వారానేర్చుకున్ననైపుణ్యాలను, సృజనాత్మకనైపుణ్యాలుగామార్చుకోగలరు. CO2:విద్యార్థులుభాషాతత్వాన్ని, భాషయొక్కఆవశ్యకతను, భాషయొక్కప్రాధాన్యాన్ని గుర్తిస్తారు. మనిషివ్యక్తిగతజీవనానికి, సామాజికవ్యవస్థపటిష్టతకుభాషప్రధానమనితెలుసుకుంటారు. తెలుగుభాషలోనికీలకాంశాలైన'వర్ణం-పదం-వాక్యా'లప్రాధాన్యాన్ని గుర్తిస్తూ, వాగ్రూప-లిఖితరూపవ్యక్తీకరణద్వారాభాషానైపుణ్యాలనుమెరుగుపరచుకోగలరు. CO3:భాషానైపుణ్యాలనుఅలవరచుకోవడంతోపాటువినియోగించడంనేర్చుకుంటారు. రచనా, భాషణానైపుణ్యాలనుసృజనాత్మకరూపంలోవ్యక్తీకరించగలరు. CO4:ప్రాచీనపద్యరచనతోపాటుఆధునికకవిత, కథ, వ్యాసం, మొదలైనసాహిత్యప్రక్రియలనిర్మాణాలకుసంబంధించినసిద్ధాంతవిషయాలనునేర్వడంతోపాటువారిలోరచనానైపుణ్యాలను పెంపొందించుకోగలరు. CO5:సృజనరంగం, ప్రసారమాధ్యమరంగాల్లోఉపాధిఅవకాశాలనుఅందిపుచ్చుకోగలరు.అనువాదరంగంలోనైపుణ్యంసంపాదించగలరు.
		I	**Paper I**	ప్రాచీనకవితాపరిచయం	CO1:తెలుగువారిచరిత్రలోభాగమైనతెలుగుసాహిత్యచరిత్ర, చిరకాలంగాతెలుగువారుఆచరిస్తున్నసంస్కృతిలోఎలాఅంతర్భాగమైందోతెలుసుకోగలరు. CO2:తెలుగుసాహిత్యక్రమపరిణామాన్ని గురించినస్థూలమైనఅవగాహననుపొందుతారు.తెలుగులోఉన్నరెండుసాహిత్య సంప్రదాయాలైనమౌఖిక, లిఖితరూపాలనుగుర్తిస్తారు. వివిధసాహిత్యప్రక్రియలవికాసాన్ని అవగాహనచేసుకుంటారు. CO3:ఆయాశాస్త్రాలోకృషిచేసేఆరంగంలోవిషయజ్ఞానంఎలాఅవసరమోతెలుసుకోగలరు. తెలుగుసాహిత్యంలోకృషిచేసేవారికితెలుగులోపాండిత్యంఅవసరమనిగ్రహిస్తారు. CO4:కవులుతమసృజనాత్మకతద్వారాసృష్టించినసాహిత్యాన్ని బోధించడంద్వారావిద్యార్థులుసాహిత్యంపట్లసంవేదనను, అభిరుచిని, విమర్శనాత్మకవిశ్లేషణాశక్తినిపొందగలరు. CO5:కవులు, రచయితలువాడినసృజనాత్మకభాషనుపరిచయంచేయడంద్వారావిద్యార్థులుతమకళావసరాలుతీర్చుకోగలరు.
			Paper II	ఆధునిక కవితా పరిచయం	CO1:వర్తమానతెలుగుజీవనంలోఒకభాగమైనఆధునికతెలుగుకవిత్వంతీరుతెన్నులను, సౌందర్యాన్ని విశ్లేషణాత్మకంగాఅవగాహనచేసుకోగలరు.

స్పెషల్తెలుగు		**II**			CO2:దేశభక్తి, సామాజికఅసమానతలనివారణ, మానవతావాదంమొదలైనభావాలనుపెంపొందించుకోగలరు. CO3:సున్నితమైనభాషనుఉపయోగిస్తూ, ఉత్తమభావాలనుప్రకటించేసామర్థ్యాన్నిఅందుకోగలరు. CO4:వ్యవహారికభాషలోసామాజికచైతన్యాన్నిప్రోత్సహించేకవిత్వంరాయడానికిప్రేరణపొందగలరు. CO5:ఆధునికకాలంలోకవితల్లోను, వస్తువులోను, భావంలోనువచ్చినమార్పులనుగ్రహించగశిల్పంలోస్వేచ్ఛను, భావప్రకటనలోవచ్చినమార్పులను, సమాజానికిభాషదగ్గరకావడాన్నిఅవగాహనచేసుకోగలరు.
		III	**Paper III**	ప్రాచీన తెలుగు సాహిత్య చరిత్ర	CO1:తెలుగువారిచరిత్రలోభాగమైనతెలుగుసాహిత్యచరిత్ర, చిరకాలంగాతెలుగువారుఆచరిస్తున్నసంస్కృతిలోఎలాఅంతర్భాగమైందోతెలుసుకోగలరు. CO2:తెలుగుసాహిత్యక్రమపరిణామాన్నిగురించినస్థూలమైనఅవగాహననుపొందుతారు.తెలుగులోఉన్నరెండుసాహిత్య సంప్రదాయాలైనమౌఖిక, లిఖితరూపాలనుగుర్తిస్తారు. వివిధసాహిత్యప్రక్రియలవికాసాన్నిఅవగాహనచేసుకుంటారు. CO3:కవులుతమసృజనాత్మకతద్వారాసృష్టించినసాహిత్యాన్నిబోధించడంద్వారావిద్యార్థులుసాహిత్యంపట్లసంవేదనను, అభిరుచిని, విమర్శనాత్మకవిశ్లేషణాశక్తినిపొందగలరు. CO4:ఆయాశాస్త్రాలోకృషిచేసేఆరంగంలోవిషయజ్ఞానంఎలాఅవసరమోతెలుసుకోగలరు. తెలుగుసాహిత్యంలోకృషిచేసేవారికితెలుగులోపాండిత్యంఅవసరమనిగ్రహిస్తారు. CO5:కవులు, రచయితలువాడినసృజనాత్మకభాషనుపరిచయంచేయడంద్వారావిద్యార్థులుతమకళావసరాలుతీర్చుకోగలరు.
		IV	**Paper IV**	ఆధునిక తెలుగు సాహిత్య చరిత్ర	CO1:ఆంగ్లభాషప్రభావంవల్లవచ్చినపరిణామాలఫలితంగాఏర్పడినఆధునికతెలుగుసాహిత్యస్వరూపస్వభావాలనుతెలుసుకోగలరు. CO2:సామాజికమార్పులుసాహిత్యంలోఎలాప్రతిబింబించిందీగ్రహిస్తారు. CO3:ఆధునికసాహితీప్రక్రియలనుఅవగాహనచేసుకోవడంద్వారా, సమాజంపైసాహిత్యప్రభావాన్నితెలుసుకోగలరు. CO4:మార్క్సిజంకారణంగాప్రపంచవ్యాప్తంగావచ్చినభావవిప్లవాన్నిఅవగాహనచేసుకోగలరు. CO5:సమకాలీనఆధునికకవితాధోరణులనుఅవగాహనచేసుకోవడంద్వారా, అస్తిత్వవాదాలపట్లతమదైనవైఖరినిఏర్పరచుకోగలరు.

		IV	**Paper V**	తెలుగు సాహిత్య విమర్శ	CO1:కళలు, సాహిత్యంఎలాపుడుతున్నాయోగుర్తిస్తూ, కళల్లోనిరకాలను, కవిత్వంయొక్కప్రత్యేకతనుగ్రహిస్తారు. CO2:కావ్యస్వరూపాన్ని; ప్రాచీన, ఆధునికకవులఅభిప్రాయాలనుఅవగాహనచేసుకుంటారు. CO3:కావ్యహేతువులను, కావ్యప్రయోజనాలను, కావ్యభేదాలనుగుర్తించడంద్వారాసాహిత్యం: ఎందుకోసమోవిశ్లేషించగలుగుతారు. CO4:రససూత్రాన్ని అవగాహనచేసుకోవడంద్వారాకళాభిరుచినిపొందుతారు. CO5:కావ్యలక్షణాలనుసంప్రదాయపద్ధతిలోవిమర్శనాత్మకంగాఅధ్యయనంచేయడంద్వారాసంప్రదాయసాహిత్యంలోనివిశిష్టతనుగ్రహిస్తారు
		V	**Paper VI -A**	తెలుగు భాషా స్వరూపం	CO1:తెలుగువ్యాకరణప్రయోజనాలు CO2:తెలుగువ్యాకరణపరిభాషపట్లఅవగాహన CO3: .ప్రాచీన, ఆధునికతెలుగులోనిసంధులను, సమాసాలనుతెలుసుకోవడంద్వారారచనానైపుణ్యాలఅభివృద్ధి CO4:క్రియావిజ్ఞానాన్ని అవగాహనచేసుకోవడంద్వారాతెలుగుక్రియారూపాలపైవిద్యార్థిగమనించడం CO5:వాక్యవిజ్ఞానంద్వారామహాకవులు, రచయితలవాక్యనిర్మాణరీతులనుతెలుసుకోవడం.
		V	**Paper VII - A**	తెలుగురచనారీతులు	CO1:వివిధరంగాలలోనితెలుగురచనారీతులపైప్రాథమికఅవగాహన CO2:అనువాదరంగంలో, ముద్రణామాధ్యమరంగంలోనిరచనారీతులనుతెలుసుకోవడం CO3: .ప్రసారమాధ్యమాలు, సామాజికమాధ్యమాలలోనిరచనావిధానాలనుఅవగాహన CO4:భాషలోనిఅర్థపరిణామ, ధ్వనిపరిణామాలు, అన్యదేశ్యాలపైఅవగాహన CO5:సృజనరంగంలోనిప్రధానప్రక్రియలరచనావిధానాలనుతెలుసుకోవడం.

Mathematics Course Outcomes-2021-22

Subject	Year	Semester	Course	Title of the Course	Course Outcomes
Mathematics	I	I	Paper-1	Differential Equations	CO 1: Know first order first degree linear differential equations. CO 2: Know the methods of finding solution of a differential equation of first order but not of first degree. CO 3: Understand the higher-order linear differential equations for both homogeneous and non-homogeneous, with constant coefficients. CO 4: Understand and apply the appropriate methods for solving higher order differential equations. CO 5: Know the methods of Cauchy's Euler and Lagrange's Differential Equations.
		II	Paper-II	Analytical Solid Geometry	CO 1: Understand planes and system of planes. CO 2: Know the lines and their properties. CO 3: Understand the Spheres and their properties. CO 4: Know the Orthogonal spheres and coaxial system of spheres.the Spheres. CO 5: Know the Concept of Cones, Enveloping cones and Right circular cones.
	II	III	Paper-III	Abstract Algebra	CO 1: Acquire the basic knowledge and structure of groups. CO 2: Get the significance of the notation of a subgroup and cosets. CO 3: Understand the concept of normal subgroups and properties of normal subgroups. CO 4: Study the homomorphisms and isomorphisms with applications. CO 5: Understand the properties of permutation and cyclic groups.
		IV	Paper-IV(A)	Real Analysis	CO 1: Get clear idea about the limit of a sequence and Convergent sequence – The Cauchy's criterion. CO 2: Obtain the skills of analysing the concepts and applying appropriate methods for testing convergence of series. CO 3: Know about the Real valued Functions, Limits of functions,

					bounded ness of a function, Continuous functions. CO 4: Understand the derivability of a function at a point and on an interval, Derivability and continuity of a function and Meanvalue Theorems. CO 5: Know about the Riemann integral functions, Properties of integrable functions, Fundamental theorem of integral calculus.
			Paper-IV(B)	Linear Algebra	CO1:. Understand the concepts of Vector spaces, Subspaces. CO2. Understand the concepts of Basis, Dimension and their properties. CO3. Understand the concept of Linear transformation and its properties. CO4. Apply Cayley- Hamilton theorem to problems for finding the inverse of a matrix and higher powers of matrices without using routine methods. CO5. Learn the properties of Inner product spaces and determine orthogonality in Inner product spaces.
	III	V	Paper-V	Ring Theory &LinearAlgebra	CO 1: Acquire the basic knowledge of rings, fields and integral domains,subrings and ideals. CO 2: Get the knowledge of Homomorphism of Rings. C03: Understand the concepts of Vector spaces, Subspaces. CO4:Understand the concepts of Basis, Dimension and their properties. CO:5 Understand the concept of Linear transformation and its properties.
			Paper-VI	Multiple Integrals & Vector Calculus	CO1. Learn Multiple Integrals as a natural extension of definite Integral to a function of two variables in the case of double integral/three variables in the case of triple integral. CO2. Learn applications in terms of finding Surface area by Double Integral and volume by Triple integral. CO3. Determine the Gradient,Divergence and Curl of a vector and

					Vector identities. CO4. Evaluate Line,Surface and Volume Integrals. CO5. Understand the Relation between Surface and Volume integrals,Relation between the Line integral and Volume integral,Relation between Line and Surface integral.
		VI	PAPER-VII(A)	Numerical Analysis and Computer Programming in C	CO 1: Difference between the Forward, Backward operators and the relation between them. CO 2: Know about the Newton-Gregory and Backward interpolation. CO 3: Know the central difference operators and relation between them. CO4: Know the Algorithms ,Flowcharts,Structure of C Programme, Operators. CO5: Know the Looping statements, Functions.
			Paper-VII(B)	Discrete Mathematics	CO 1: Know the sets, operations of sets ,Relations and Fundamentals of Logic. CO 2: Know about the Methods of Implication CO 3: Know the Generating functions of sequences.. CO4: Know the Recurrence Relations CO5: Solutions of the Recurrence relations by various methods
			Paper-V(IIIA1)	Advanced Numerical Analysis and Computer Programming in C	CO 1: Understand the process of Numerical Integration. . CO 2: Know Algebraic and Transcendental equations.. CO 3:Understand the Numerical Solution of Ordinary Differential Equations. . CO4: Know the Arrays.Strings. CO5: Know the Structure of C, union Files..
			Paper-VIII(B1)	Graph Theory &Boolean Algebra	CO1:Know the relations and Digraphs. CO2: Understand the Isomorphism and properties of trees. CO3: Know the Spanning trees, Directed trees, Binary Trees. CO4: Understand the Multi graphs, Hamiltonian Graphs and

					Chromatic Numbers. Co5: Understand the Boolean Functions,Switchining Mechanisms, Minimizations of Boolean Functions.
			Paper-VIII(A2& B2)	Special Functions	CO 1: Get the knowledge of Hermite equation, generating functions, orthogonal properties of Hermite Polynomials and recurrence relations. CO2:Acquire the knowledge of Laguerre polynomial, generating functions, orthogonal properties,Recurrence relations. CO3:Acquire the knowledge of Legendre equation, generating functions, orthogonal properties of Legendre Polynomials. CO4:Understand the generating function, Recurrence relations, orthogonal properties of Bessel's Equation. CO5:Understand the Beta and Gamma functions, their properties and relation between these two functions
			Paper-VIII(A3& B3)	Matrix Theory	CO1: Know the rank of a Matrix.. CO2:Understand the Linear Equations. CO3: Acquire the Eigen values and Eigen vectors. CO4:Understand the Cayley Hamilton theorem. CO5: Understand the Orthogonal Vectors.

Department of Statistics 2021-22

Subject	Year	Semester	Course	Title of the Course	Course outcome
Statistics	1	I	I	Descriptive statistics and probability	Co:1 Students will Analyze statistical data using measures of central tendency, dispersion and location. CO2: Calculate probabilities, and derive the marginal and conditional distributions of bi variate random variables. Co3: Analyze Statistical data using MS-Excel.
		II	II	Mathematical Expectations & Probability Distributions	Co1:Students will Use discrete and continuous probability distributions, including requirements, mean and variance, and making decisions. Co2:Also derive formulae by using Mathematical expectations.
	II	III	III	Statistical Methods & Theory of Estimation	Co1:Students will Gain Knowledge on important of Statistical concepts in Statistical Methods such as Correlation, Regression, Curve fitting &Methods in Estimation. Co2: Demonstrate understanding of the theory of maximum likelihood estimation. Co3: Also Analyze Statistical data using MS-Excel.
		IV	IV	Sampling Techniques and design of Experiments	Co1: Students can understand the fundamental concepts of Sampling and Experimental Design such as ANOVA, CRD,RBD. ANCOVA. Co2: Students will Gain Knowledge on Sampling techniques such as Simple random sampling, systematic random and stratified random sampling

	III		V	Applied Statistics	Co1: students can Demonstrate and understanding the concepts of time series and its applications in different areas. Co2: Acquire knowledge on vital statistics, Index numbers and calculate an indices from given data. Explain how supply and demand relationships between the price of a product and the quantity of the same product. Co3: Analyze statistical data using MS-Excel.
		V	VI	Operations Research	Co1: students can Gain the knowledge on optimization techniques. Co2:Also know the construction of those techniques such as Graphical, Simplex, Big-M, Two-Phase and Dual simplex methods. Co3: Students can solve the problems in Transportation and sequencing.
			VII A	Applied Statistics using R-Programming	Co1: students can Demonstrate and understanding the concepts of time series and its applications in different areas. Co2: Acquire knowledge on vital statistics, Index numbers and calculate an indices from given data. Explain how supply and demand relationships between the price of a product and the quantity of the same product. Co3: Analyze statistical data using MS-Excel R-Programming
			VIII A1	Quality and Reliability	Co1:Understand the concepts of quality control, chance and assignable causes of variation, control charts for variables and attributes, producer's and consumer's risk - Acceptance sampling plans. Co2: Understand the setting of mean chart limits, range chart limits using mean and range charts. Co3: Analyze statistical data using MS-Excel.
			VIII A2	Designs of Experiments	Co1:Students will be able to know the concepts of ANCOVA. Co2: BIBD, PBIBD and factorial Designs such as 2^2,2^3,3^2,3^3.

Department of Physics & Electronics

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Physics	**II**	**III**	**III**	HEAT AND THERMODYNAMICS	At the end of the course students will be able to: CO1:Understandthebasicaspectsofkinetictheoryofgases,Maxwell-Boltzmandistribution law, equipartition of energies, mean free path of molecular collisions and the transport phenomenon in ideal gases CO2:Gain knowledge on the basic concepts of thermodynamics, the first and the second law of thermodynamics, the basic principles of refrigeration, the concept of entropy ,the thermodynamic potentials and their physical interpretations. CO 3:Understand the working of Carnot's ideal heat engine, Carnot cycle and its efficiency CO 4:Develop critical understanding of concept of thermodynamic potentials ,the formulation of Maxwell's equations and its applications. CO5:Differentiate between principles and methods to produce low temperature and liquefy air and also understand the practical applications of substances at low temperatures and examine the nature of black body radiations and the basic theories.
		IV	**IV**	ELECTRICITY, MAGNETISM AND ELECTRONICS	At the end of the course students will be able to: CO1:Understand the Gauss law and its application to obtain electric field in different cases and formulate the relationshipbetweenelectricdisplacementvector,electricpolarization,Susceptibility, Permittivity and Dielectric constant. CO2:Distinguishbetweenthemagneticeffectofelectriccurrentandelectromagneticinductionand apply the related laws in appropriate circumstances.

					CO3: Understand Biot and Savart's law and Ampere's circuital law to describe and explain the generation of magnetic fields by electrical currents. CO4:DevelopanunderstandingontheunificationofelectricandmagneticfieldsandMaxwell'sequations governing electromagnetic waves. CO5:Describe the operation of p-n junction diodes, zener diodes, light emitting diodes and transistors and understand the operation of basic logic gates and universal gates and their truth tables.
			V	MODERN PHYSICS	At the end of the course students will be able to: CO1:Develop an understanding on the concepts of Atomic and Modern Physics, basic elementary quantum mechanics and nuclear physics. CO2:Develop critical understanding of concept of Matter waves and Uncertainty principle. CO3:GetfamiliarizedwiththeprinciplesofquantummechanicsandtheformulationofSchrodingerwaveequation and its applications. CO4:Examinethebasicpropertiesofnuclei,characteristicsofNuclearforces,salientfeaturesof Nuclear models and different nuclear radiation detectors. CO5:Classify Elementary particles based on their mass, charge, spin, half life and interaction.

Department of Physics & Electronics

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Electronics	**I**	**I**	Paper I	Circuit Theory and Electronic Devices	At the end of the course, the student will be able to: CO 1: Apply concepts of electric network topology, nodes, branches, loops to solve circuit problems including the use of computer simulation. CO 2: Apply time and frequency concepts of analysis. CO 3: Synthesize the network using passive elements. CO 4: Know about switching circuits and oscillator circuits their design and use in electronics. CO 5:Design and construction of a power supply.
		II	Paper II	Digital Electronics	At the end of the course students will be able to: CO 1: Develop a digital logic and apply it to solve real life problems. CO 2: Analyze, design and implement combinational logic circuits. CO 3: Classify different semiconductor memories. Analyze, design and implement sequential logic circuits. CO 4: Simulate and implement combinational and sequential logic circuits using VHDL CO 5: Have a thorough understanding of the fundamental concepts and techniques used in digital electronics.
	II	**III**	Paper III	Digital, Analog Circuits and Communication Electronics	At the end of the course students will be able to: CO 1: Develop a digital logic and apply it to solve real life problems. Analyze, design and implement combinational logic circuits. CO 2: Understand the fundamentals and areas of applications for the integrated circuits and to analyze

					important types of integrated circuits. CO 3: Demonstrate the ability to design practical circuits that perform the desired operation. CO 4: Use of different modulation and demodulation techniques used in analog communication. CO 5: Identify and solve basic communication problems and to analyze transmitters and receiver circuits.
		IV	Paper IV	Digital, Microprocessor Systems	At the end of the course students will be able to CO 1: Analyze, design and implement sequential logic circuits. CO 2: Simulate and implement combinational and sequential logic circuits using VHDL CO 3: The student can gain good knowledge on microprocessor and implement in practical applications CO 4: Design system using memory chips and peripheral chips for 16 bit8086 microprocessor. CO 5: Understand and devise techniques for faster execution of instructions, improve speed of operations and enhance performance of microprocessors.
			Paper V	Microcontroller And Interfacing	At the end of the course students will be able to CO 1: The student can gain good knowledge on microcontrollers and implement in practical applications. CO 2: Student Able to learn Interfacing of Microcontroller CO 3: To get familiar with real time operating system
	III	**V**	Paper V	Basic Communication Techniques	At the end of the course students will be able to CO 1: Understand and apply the knowledge of statistical theory of communication and explain the conventional digital communication system. CO 2:Apply the knowledge of signals and system and evaluate the performance of digital communication system

					in the presence of noise. CO 3: Apply the knowledge of digital electronics and describe the error control codes like block code, cyclic code. CO 4: Analyze the digital communication system with spread spectrum modulation. CO 5: Design as well as conduct experiments, analyze and interpret the results to provide valid conclusions for digital modulators and demodulator using hardware components and communication systems. .
			Paper VI	8085 Microprocessor	At the end of the course students will be able to CO 1: Demonstrate computer architecture concepts related to design of modern processors, CO 2: Create the memory interfacing techniques and I/O interfacing techniques with 8085. CO 3: Analyze the performance of commercially available computers. CO 4: To develop logic for assembly language programming
		VI	Paper VII	8051 Microcontroller	At the end of the course students will be able to CO 1: Gain comprehensive knowledge about architecture and addressing modes of 8051 CO 2: Write assembly language program in 8051 for various embedded system applications CO 3:Implement the middle level programming and interfacing concepts in 8051 CO 4:Use external interfaces in various embedded system projects CO 5: Design and implement programs on 8051, ARM, PIC and describe the architecture and instruction set of ARM microcontroller

			Paper VIII A1	Electronic Instrumentation	At the end of the course students will be able to CO 1 :Recognize the evolution and history of units and standards in Measurements. CO 2: Identify the various parameters that are measurable in electronic instrumentation. CO 3: Employ appropriate instruments to measure given sets of parameters. CO 4 : Practice the construction of testing and measuring set up for electronic systems CO 5 :To have a deep understanding about instrumentation concepts which can be applied to Control systems and to relate the usage of various instrumentation standards. .
			Paper VIII A2	Radar Systems & Antennas	At the end of the course students will be able to CO 1: Know the fundamentals of Antennas & concept of radio wave propagation. and Illustrate the different types of arrays and their radiation patterns. CO 2: Analyze a complete radio system, from the Transmitter to the Receiver end with reference to antenna and Quantify the fields radiated by various types of antennas CO 3: Analyze antenna measurements to assess antenna's performance CO 4. Demonstrate an understanding of the importance of Matched Filter Receivers in Radars. CO 5. Familiarize with the different types of Radar Displays and their application in real time scenario
			Paper VIII A3	Electronics Project	

Department of Chemistry
Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Chemistry	**II**	**III**	**III**	Organic Chemistry & Spectroscopy	At the end of the course, the student will be able to; CO 1: Understand preparation, properties and reactions of halo alkanes, halo arenes and oxygen containing functional groups. CO 2: Use the synthetic chemistry learnt in this course to do functional group transformations. CO 3: To propose possible mechanisms for any relevant reaction
		IV	**IV**	Inorganic, Organic and Physical Chemistry	At the end of the course, the student will be able to; CO 1. To learn about the laws of absorption of light energy by molecules and the subsequent photo chemical reactions. CO 2: To understand the concept of quantum efficiency and mechanisms of photochemical reactions.
			V	Inorganic &Physical Chemistry	At the end of the course, the student will be able to; CO 1: Understand concepts of boundary conditions and quantization, probability distribution, most probable values, uncertainty and expectation values CO 2: Application of quantization to spectroscopy. CO 3: Various types of spectra and the irusein structure determination.

Department of Botany

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Botany	**II**	**III**	**III**	Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity	On successful completion of this course, the students will be able to; CO1: Understand the organization of tissues and tissue systems in plants. CO2: Illustrate and interpret various aspects of embryology. CO3: Discuss the basic concepts of plant ecology and evaluate the effects ofenvironmental and biotic factors on plant communities. CO4: Appraise various qualitative and quantitative parameters to study the populationand community ecology. CO5: Correlate the importance of biodiversity and consequences due to its loss. CO6: Enlist the endemic/endangered flora and fauna from two biodiversity hot spots inIndia and assess strategies for their conservation.
		IV	**IV**	Plant Physiology and Metabolism	On successful completion of this course, the students will be able to; CO1: Comprehend the importance of water in plant life and mechanisms for transport ofwater and solutes in plants. CO2: Evaluate the role of minerals in plant nutrition and their deficiency symptoms. CO3: Interpret the role of enzymes in plant metabolism. CO4: Critically understand the light reactions and carbon assimilation processes responsible for synthesis of food in plants. CO5: Analyze the biochemical reactions in relation to Nitrogen and lipid metabolisms.

					C06: Evaluate the physiological factors that regulate growth and development in plants. CO7: Examine the role of light on flowering and explain physiology of plants under stressconditions.
			V	Cell biology, Genetics and Plant Breeding	On successful completion of this course, the students will be able to: CO1: Distinguish prokaryotic and eukaryotic cells and design the model of a cell. CO2: Explain the organization of a eukaryotic chromosome and the structure of geneticmaterial. CO3: Demonstrate techniques to observe the cell and its components under a microscope. CO4: Discuss the basics of Mendelian genetics, its variations and interpret inheritanceof traits in living beings. CO5: Elucidate the role of extra-chromosomal genetic material forinheritance ofcharacters. CO6: Evaluate the structure, function and regulation of genetic material. CO7: Understand the application of principles and modern techniques inplant breeding. CO8: Explain the procedures of selection and hybridization for improvement of crops.

Department of Zoology

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Zoology	**II**	**III**	**III**	Cell Biology, Genetics, Molecular Biology & Evolution	At the end of the course students will be able to: CO 1: Understand the structure of cell, Cell organelles CO 2: Explain the structure of Nucleus, Chromosomes CO 3: Learn the Mendal's laws of Inheritance, Interaction of Genes CO 4: Learn the Structure of Carbohydrates, proties, fats, Enzymes CO 5; Understand the Theories of Evolution, Modern synthetic theory, Speciation and Isolation
		IV	**IV**	Physiology, Cellular Metabolism and Embryology	At the end of the course students will be able to CO 1: Understand the various physiology of organ systems like Respiration, Circulation, Excretion CO 2: Understand the Muscular contraction, Nervous coordination, Hormones of reproduction and Endocrine glands CO 3: Learn the concepts of metabolisms- Carbohydrate, Protein, Lipid CO 4: Understand the gene expression phenomenon and biological importance of biomolecules CO 5: Understand the Gametogenesis, Fertilization, Types of Cleavage and eggs, Learn the embrogenesis in Frog.
			V	Immunology and Animal Biotechnology	At the end of the course students will be able to CO 1 Compare and contrast humoral versus cell-mediated immune responses CO 2 Distinguish various cell types involved in immune responses and associated functions; antibody isotypes, development, and functions

					CO 3 Understand the role of cytokines in immunity and immune cell activation, the significance the Major Histocompatibility Complex in terms of immune response and transplantation CO 4 Get knowledge of the Vectors and Restriction enzymes used in biotechnology CO 5 Describe the gene delivery mechanism and PCR technique, media preparation and cell culture techniques, application of biotechnology

Department of Nutrition and Dietetics

Course Outcomes 2021-22

Subject	Year	Semseter	Course	Title of the course	Course outcomes
Nutrition	**I**	**I**	**Paper I**	**Basic Nutrition**	At the end of the course,the student will be able to; CO 1: Learns basic concepts of nutrition CO 2: Identifies macro and micro nutrients and relates in food CO 3: Knows in detail about vitamins CO 4: Knows in detail about minerals CO 5: Relates energy metabolism to food components
		II	**Paper II**	**Introduction to Food Science**	At the end of the course,the student will be able to; CO 1: Understands methods of cooking CO 2: Learns about plant foods composition and structures and nutritional aspects CO 3: Learns about plant foods composition and structures and nutritional aspects CO 4: Knows various food additives and ready to eat, use foods CO 5: Identifies various species of microbes in foods
	II	**III**	**Paper III**	**Community Nutrition**	At the end of the course,the student will be able to; CO 1: Learns energy metabolism and meal planning CO 2: Knows adulthood, pregnancy and lactation nutritional requirements CO 3: Understands nutritional problems of infancy and preschool children CO 4: Relates the problems of school going children and adolescents CO 5: Identifies changes in old age.
		IV	**Paper IV**	**Thereupatic Nutrition**	At the end of the course,the student will be able to; CO 1: Knows the roles of dietitian and understands therapeutic diets. CO 2: Relates nutrition in metabolic disorders and CVDs CO 3: Relates nutrition in GID and liver disorders

					CO 4: Understands nutrition in renal disorders CO 5: Identifies stress conditions and relates nutrition
			Paper V	**Nutrition and Wellness**	At the end of the course,the student will be able to; CO 1: Learns basic concepts of fitness and training CO 2: Understands diets and exercises in fitness CO 3: Relates the effect of exercises on body metabolism CO 4: Learns water and electrolyte balance in the body CO 5: Formulates dietary guidelines for health and fitness
	III	**V**	**Paper VI A**	**Hospital Food Service Management**	At the end of the course,the student will be able to; CO 1: Knows the basic concepts of food service management in different hospitals CO 2: Understands types and techniques of food services CO 3: Learns the equipment and their purchase used in food service system of a hospital CO 4: Relates principles and tools in managing the food service system of hospital CO 5: Manages spaces in kitchen and storage units of a hospital food service system
			Paper VII A	**Food Quality and Safety**	At the end of the course,the student will be able to; CO 1: Learns basic concept of food quality control and safety CO 2: Understands quality assurance and specifications CO 3: Identifies types of food additives CO 4: Relates food laws in food quality and safety CO 5: Learns food packaging materials and their properties
			Paper VI B	**Nutritional Biochemistry**	At the end of the course,the student will be able to; CO 1: Learns metabolism of carbohydrates CO 2: Learns metabolism of fats and fatty acids CO 3: Learns metabolism of proteins and amino acids CO 4: Learns metabolism of nucleic acids CO 5: Understands enzymes and their mechanism of actions
			Paper VII B	**Food Quality and Safety**	At the end of the course,the student will be able to; CO 1: Learns basic concept of food quality control and safety CO 2: Understands quality assurance and specifications

					CO 3: Identifies types of food additives CO 4: Relates food laws in food quality and safety CO 5: Learns food packaging materials and their properties
			Paper VI C	**Food processing and preservation**	At the end of the course,the student will be able to; CO 1: Understands basic concepts of food processing and preservation CO 2: Learns processing of pulses CO 3: Knows various foods from meat, fish, fruits and vegetables CO 4: Relates fermented foods and its nutrition CO 5: Identifies RTE, RTU foods
			Paper VII C	**Food Microbiology**	At the end of the course,the student will be able to; CO 1: Learns about common microbes present in foods CO 2: Understands water and food borne diseases CO 3: Identifies common microbes in food spoilage CO 4: Relates food preservation techniques in food spoilage CO 5: Understands food adulteration
		VI		**Internship**	
			General Elective	**Research Methodology**	

Department of Bio-Chemistry

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Bio-Chemitsry	**II**	**III**	III	Enzymology, bioenergetics and intermediary metabolism	At the end of the course, the student will be able to: CO 1: The student will know how the biomolecules such as carbohydrates, lipids and proteins get metabolized for the purpose of energy and other physiological functions in the body. CO2: The course will enable the student to understand the pathophysiology of metabolic diseases such as diabetes, atherosclerosis etc. which occur due to alterations in metabolism. CO3: Enrich with principles and basic mechanisms of metabolic control and molecular signalling. CO4:The students will know about Free energy change in biological transformations in living systems; CO 5: The practicals will provide the expertise for quantification of enzymes' activities, glucose, proteins and lipid levels in blood which will have clinical applications.
		IV	Paper IV	Physiology, nutritional and clinical biochemistry	At the end of the course, the student will be able to; CO1: This course will also provide knowledge on hormones, their functions and the diseases occurring due to alterations in the levels of hormones. CO2: The student will get knowledge on different physiological systems and their functions in the human body. CO3: By studying blood, its composition and its functions the student will understand the importance of blood.

					CO4: By studying this course the student will know the nutritional importance of proteins, carbohydrates, lipids, vitamins and minerals. CO5: Clinical biochemistry unit along with practicals will enable the student to do diagnostic tests for liver diseases, Gastro intestinal diseases, renal diseases and nutritional deficiencies.
		IV	Paper V	Microbiology, immunology and molecular biology	At the end of the course students will be able to CO1: The student will get knowledge in immune system, vaccines and also understand the pathogenesis of auto immune diseases and immune deficiency diseases. CO2: This course will provide knowledge and expertise in molecular biology such as genes, their structure and importance. This will also enable the student to know the applications of PCR in cloning and diagnosis of genetic and viral diseases. CO3:This course will enable the student to know various microbes such as bacteria, fungi and viruses, their structures and other properties and diseases caused by them. CO4: The student will also get knowledge in their commercial applications by making use of their beneficial effects such as fermentation in alcohol production, nitrogen fixation in agriculture etc. CO3: The practicals will provide the expertise to the student to work in microbiology laboratory, food and pharma industries, and biotech companies for production of vaccines and other life-saving drugs.

Department of Microbiology

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Microbiology	II	III	III	Molecular Biology and Microbial Genetics	At the end of the course students will be able to: CO 1: Understand the concepts of Nucleic acids and their isolation techniques CO 2: Explain the mechanism of Replication of DNA . CO 3: Study the concepts of gene expression transcription and translation . CO 4: Gain knowledge on mutations and gene transfer mechanisms . CO 5: Understand the basics og gene cloning ,also gain practical skill on gene cloning .
		IV	IV	Immunology and medical microbiology	At the end of the course students will be able to: CO 1:Understand the concept of Immunity,cells and organs involved in providing immunity CO 2:Gain knowledge on structure and properties of ofantigenand antibody also develop practical skill in Ag-Ab reactions CO 3:Develop knowledge on disease causing organisms CO 4:Acquie skills in identification of pathogen - Diagnosis. CO 5:Acquire skill in antimicrobial susceptibility test.
			V	Microbialecologyandindustrialmicrobiology	At the end of the course students will be able to: CO 1:Know about soil microbial diversity, role of microorganisms in biogeochemical cycles

					CO 2: Understandstheroleofmicroorganisms intreatmentofsolidandliquidwaste CO 3: Acquireknowledgeonapplicationofmicroorganisms inagro–environmentalfields CO 4: Get basic information design of fermenter, fermentation processes. CO 5: Develops entrepreneurial skills.

Department of Home Science

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Home Science	**II**	**III**	**HSC 301**	**Community Nutrition**	At the end of the course students will be able to CO1: Understanding the nutritional problems and nutrition requirements of the community. CO2: Acquiring knowledge about RDA, food groups, steps in planning a diet. CO3: Planning of nutrition diets according to RDA for different age groups CO4: Assessment of nutritional status using ABCD techniques.
			HSC 302	**Principles of Garment construction**	At the end of the course students will be able to CO1: Remember and explain in a systematic way the importance of the textiles in human life and also the textile terminology and types of fibres. CO2: Understands identification of different fibres like plant fibres, animal fibres based on properties. CO3: Gains knowledge on manufacturing of different textile fibers. CO4: Understands the method of Spinning and process of yarn construction. CO5: Identification of different textile fibres using microscopic, burning tests.
			HSC 303	**Child Development**	At the end of the course students will be able to CO1: Remember and explain in a systematic way about child-development, and Developmental tasks at various stages of child development. CO2: Understand the stages of pregnancy and birth process. CO3: Critically explains and judges problems of adolescence during each sub stage and coping up strategies.

					CO4: Familiarise with problems of elderly through case studies and institutional visits.
		IV	**HSC 401**	**Therapeutic Nutrition**	At the end of the course students will be able to CO1: Understands the meaning, objectives and purpose of therapeutic nutrition. CO2: Understands about modification of normal diets to therapeutic diets. CO3: Planning and preparation of diets for different diseases like Obesity, Cardiovascular, Renal, Diabetes mellitus etc, CO4:Preparation of diets for the patients in acceptable manner by applying their own choice of foods
			HSC 402	**Fabric Construction & Apparel Care**	At the end of the course students will be able to CO1: Recall the different parts of sewing machine and its function. CO2: Understands the use of sewing machine and ways to stitch fabrics. CO3: Learn to identify the defects and to know the adjustments of sewing machine. CO4: Analyse the estimation of fabric for different garments. CO5: Evaluate the stitching and fitting of the garments.
			HSC 403	**Human Development and Family Dynamics**	At the end of the course students will be able to CO1: Knowledge on pubertal changes, adolescence and appreciate value of marriage in Indian families CO2: Understand the need for planning and preparation of parenthood. CO3: Understand the importance of adjustments to strengthen marital and family relationships
			HSC 404	**Nutritional Bio-Chemistry**	At the end of the course students will be able to CO1: Gaining depth knowledge on human metabolism. CO2: Understanding principles of bio-chemical methods. CO3: Learning the chemistry of nutrients. CO4: Relating bio-chemistry with nutrition for extensive application

					CO5: Knowledge in relation to absorption and digestion of food
			HSC 405	**Fundamentals of Home Science Extension**	At the end of the course students will be able to CO1: Remember and explain in a systematic way the meaning, scope and concept of Home Science Extension. CO2: Understand the role Extension worker in community CO3:Understand the principles, steps in Teaching and Learning process CO4: Critically explain and judge of an extension worker CO5:Know the importance of Teaching Methods and Teaching Aids in Communication Process. CO6: Know planning, preparation of Audio-Visual Aids
			HSC 406	**Resource Management**	At the end of the course students will be able to CO1: Understands process of Management – Planning, supervising, organizing and evaluation. CO2: Critically explains, judges and solves Management process of different resources – Time, Money and Energy. CO3: Working in out of prescribed area under a co-curricular activity CO4: Acquire Work simplification techniques in family activity management. CO5: Observing Budget Plans of families from different income groups-Low, Middle and High income.

Department of Computer Science (B.Com Cs)

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Computer Science	**I**	**I**	Paper I	Information Technology	At the end of the course students will be able to: CO 1:Describe the fundamental hardware components that make up a computer's hardware and the role of each of these components. CO 2:Understand the difference between an operating system and an application program, and what each is used for in a computer. CO 3:Use technology ethically, safely, securely, and legally. CO 4:Use systems development, word-processing, spreadsheet, and presentation software to solve basic information systems problems.
		II	Paper II	E-Commerce And Web Designing	At the end of the course students will be able to: CO 1:Understand the foundations and importance of E-commerce. CO 2:Define Internet trading relationships including Business to Consumer, Business- to-Business, Intra-organizational. CO 3:Describe the infrastructure for E-commerce. CO 4:Understand the principles of creating an effective web page, including an in-depth consideration of information architecture.

	II	**III**	Paper III	Programming with C & C++	At the end of the course students will be able to: CO 1:Understanding a functional hierarchical code organization. CO 2:Understanding a concept of object thinking within the framework of functional model. CO 3:Write program on a computer, edit, compile, debug, correct, recompile and run it. CO 4:Exploring C programming and Design C++ classes for code reuse.
		IV	Paper IV	Database Management System	At the end of the course students will be able to: CO 1: The role of a database management system in an organization. CO 2:Understand basic database concepts, including the structure and operation of the relational data model. CO 3:Understand and successfully apply logical database design principles, including E- Understand R diagrams and database normalization. CO 4:Understand Functional Dependency and Functional Decomposition.
	III	**V**	Paper V	Sales Force Customer Relationship Management	At the end of the course students will be able to: CO 1: The Salesforce platform dominates the world market, with over 150,000 companies powering their business growth with Salesforce. CO 2:From small businesses to tech giants like Google and Facebook, firms are using their suite of services and products to solve business problems.
			Paper VI	Digital Marketing	At the end of the course students will be able to:

					CO 1: Build a strong foundation in accounting, management and business subjects. CO 2: Seek variety of career options in accounting, management and business related fields. CO 3: Equip with skills and knowledge to excel in their future careers. CO 4: Develop critical thinking skills in students.
		VI		PROJECT	At the end of the course students will be able to: CO 1: To make the students efficient in office automation with computers and computer software applications. CO 2: To facilitate the students to join professional courses. CO 3: Helps to acquire entrepreneurship.

Department of Computer Science (B.ScComp.Sc)

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Computer science	**I**	**I**	Paper I	Problem Solving In C	At the end of the course students will be able to: CO1: Apply logical skills to analyse a given problem CO2: Develop an algorithm for solving a given problem. CO3: Understand 'C' language constructs like Iterative statements, Array processing, Pointers, etc. CO4: Apply 'C' language constructs to the algorithms to write a 'C' language program.
		II	Paper II	Data Structures Using C	At the end of the course students will be able to: CO1: Understand available Data Structures for data storage and processing. CO2: Comprehend Data Structure and their real-time applications - Stack, Queue, Linked List, Trees and Graph CO3: Choose a suitable Data Structures for an application CO4: Develop ability to implement different Sorting and Search methods
	II	**III**	Paper III	Object Oriented Programming Using Java	At the end of the course students will be able to: CO 1:The student can be able to develop java programs using oop concepts such as inheritanceand polymorphism. CO 2:The student can develop efficient Java applets and applications using OOP concept CO 3:The students will become familiar with the fundamentals and acquire programming skillsin the Java language.

		IV	Paper **IV**	Database management Systems	At the end of the course students will be able to: CO1:Gain knowledge of Database and DBMS CO 2:Understand the fundamental concepts of DBMS with special emphasis on relational data model. CO 3: Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database CO 4:Model database using ER Diagrams and design database schemas based on the model. CO 5:Create a small database using SQL. CO 6: Store, Retrieve data in database.
			Paper **V**	Operating Systems	At the end of the course students will be able to: CO1:Know Computer system resources and the role of operating system in resource management with algorithms CO 2:Understand Operating System Architectural design and its services CO 3:Gain knowledge of various types of operating systems including Unix and Android. CO 4:Understand various process management concepts including scheduling, synchronization, and deadlocks CO 5:Have a basic knowledge about multithreading CO 6: Describe the functions of a contemporary operating system
	III	**V**	Paper **VI**	Data Science	At the end of the course students will be able to: CO1: Develop relevant programming abilities. CO2:Demonstrate proficiency with statistical analysis of data. CO3: Develop the ability to build and assess data-based models.

					CO4:Demonstrate skill in data management
			Paper **VII**	Python For Data Science	At the end of the course students will be able to: CO1: Identify the need for data science and solve basic problems using Python built-in data types and their methods. CO2: Design an application with user-defined modules and packages using OOP concept CO3: Employ efficient storage and data operations using NumPy arrays. CO4:Apply powerful data manipulations using Pandas. 5. Do data pre-processing and visualization using Pandas
		VI		Project	At the end of the course students will be able to: CO 1: Develop ability to analyze a problem, identify and define the computing requirements, which may be appropriate to its solution. CO2: To prepare students to undertake careers involving problem solving using computer science and technologies CO 3: Develop ability to pursue advanced studies and research in computer science CO 4: To produce entrepreneurs who can innovate and develop software product

Department of Computer Science(BBA)

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Computer science	**I**	**I**	Paper I	It for managers	At the end of the course, the student will be able to: CO1:Students are capable of doing documentation with MS Office word. CO 2:The students can perform analysis and calculations exactly with pictorial representation using MS Excel. CO 3:The students feel comfortable in designing slides creatively and present a power point presentation of particular topic using MS PowerPoint.
		II	Paper II	Business analysis using Ms-Excel	At the end of the course, the student will be able to; CO 1:Microsoft Excel tool which helps the user to perform complex and large calculations, data processing on the huge amount of data, performing data analysis, betterrepresentation of data, etc. CO 2:Advanced Excel functions allow business organizations to increase their productivity and performance by easily sorting and filtering relevant information and using it forbetter decision making.
	II	**III**	Paper III	Fundamentals of Web Technologies	At the end of the course students will be able to: CO 1:Students are able to develop an ability to design and implement static and dynamicwebsite.. CO 2:The student should able to Master working successfully on the design and developmentof different web applications.
		IV	Paper IV	Advanced web technologies	At the end of the course students will be able to CO 1: The student should able to Master working successfully on the design of Webapplications with visual elements. And also student get

					an idea on PHP which is used asserver side scripting language. CO2: Learn web-based application is any application that uses a website as the interface orfront-end. CO 3:Users can easily access the application from any computer connected to the Internetusing a standard browser.
	III	**V**	Paper V	Photoshop and Internet Applications	At the end of the course students will be able to CO1:To explore basic knowledge on computers and Photoshop's beauty from thepractical to the painterly artistic and to understand how Photoshop will help you create your own successful images.. CO 2: They can grow individually by having their own business by creating flex withPhotoshop. CO 3: Photoshop remains as a mail stone for the further steps in to animations. CO 4: Learn web Applications deliver many business benefits compared to office basedsolutions. CO5:Students are able to learn Communication with anyone in the world.
		VI	Paper VI	Computerized accounting through Tally	At the end of the course students will be able to CO 1: Tally provides simple-to-use accounting features that enables to record business transactions easily and quickly. CO 2: One can record transactions necessary for your business by creating and maintaining masters, vouchers, and generating reports. CO 3: It also allows you to perform and manage all of the major accounting operations in your business.

Department of Computer Science

Visual Communications - Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Visual communication	**I**	**I**		**Introduction to Communication**	At the end of the course, the student will be able to: CO1: Visual communication applies the fundamentals of major art forms for professional problem-solving. CO 2: It is the conveyance of ideas and information in forms that can be read or looked upon. CO 3: This unit will introduce students to the history, forms, elements, theories, meaning, and principles of visual communication. CO 4: Students will be given basic grounding through conventional classes and practical exercises so as to prepare them for undertaking the remaining courses in BJMC.
		I		**Fundamentals of Photography**	At the end of the course, the student will be able to: CO 1: Describe the fundamental concept of the medium of photography; Combine the science and art on photography CO 2: Relate the history of the medium, Design storytelling through this visual medium. CO 3: Develop projects that address both the art of the medium as well as the commercial application.

		I		**Web Designing**	At the end of the course students will be able to: CO1: Create an Information Architecture document for a web site. CO 2: Construct a web site that conforms to the web standards of today and includes e-commerce and web marketing CO 3: Publish the website to a remote server using FTP. CO 4 :Perform regular web site maintenance (test, repair and change).
	I	**II**		**Introduction to Electronic Media**	At the end of the course students will be able to: CO 1: Create content for electronic media: Written, oral, and visual communication to analyze and review electronic media. 2. Articulate how electronic media perform as an agent of social change. 3. Explain the history of electronic media technologies. 4. Situate media art in its historical, political, and social context. 5. Evaluate the ethical and legal considerations surrounding the production and distribution of electronic media. 6. Work creatively and collaboratively in a variety of electronic media environments. 7. Develop self-directed projects that synthesize creative, technical, and critical approaches. 8. Propose and consider alternative uses of media technologies.
				Reporting and Editing for Print	At the end of the course students will be able to

		II			CO1: Define the process of news and understand news values. CO2: Understand the role of reporter in society to develop reporting and writing skills for print media CO3: Identify different areas in reporting and write reports for newspapers CO4: Analyse news stories to build background content for reports CO5: Learn the structure of editorial department and identify the role and functions of editorial staff in the newspaper organization CO6: Explain different types of copies with news values for reporting
	I			**Graphic Designing - I**	At the end of the course student will be able to: CO 1: Knowledge of the fundamentals and approaches of Graphic De-sign. CO 2: Apply the principles of design in all visual creations. CO 3: Demonstrate skilful use of typeface and printing methods. CO 4 : Analyse problems of designing and find solution. CO 5: Innovate and design competently from concept to implementation of the design for the Media.
		III		**Writing for Media**	At the end of the course students will be able to: CO 1: To be able to understand the different element of writing. CO 2: To apply various techniques of writing

					articles. CO 3: To critically analyse the different kinds and forms of writing. CO 4: To develop the skills for writing articles for different media CO 5: To be able to identity issues and create a sense of writing on different areas
	II	**III**		**Elements of Film**	At the end of the course students will be able to CO 1: To understand the film as various forms from experience, commodity, medium with special reference to regional film forms. CO 2: To acquire knowledge on Different fields within films and to focus & Specialise on the area of interest. CO 3 : To Apply the technical knowledge in various Production Process and be able to effectively create a film. CO 4: To Create Documentary Films by attributing as an important Non Fiction category of Film making and apply its Narrative & Technical aspects to produce a Documentary Film.
				Graphic Design - II	At the end of the course students will be able to: CO1: Create effective print and digital communications, and user experiences through the application of theories, tools, and best

	II	**III**			practices in the field. CO2: Exhibit a thoughtful application of the elements and principles of visual design, colour theory, information hierarchy, and typography to successfully communicate narratives, concepts, emotions, and/or identities across a variety of media. CO 3: Demonstrate critical thinking and problem-solving skills for project planning, design, and creation. CO 4: Communicate clearly in visual, verbal, and written forms using techniques appropriate for the intended audience. CO 5: Participate as a team member to make collaborative decisions toward shared objectives with civility, interpersonal skills, and professionalism.
		VI		**Media Management and Entrepreneurship**	At the end of the course student will be able to: CO 1: State the general principles and theories of management and how they can be applied for smooth functioning of media organisations. CO 2: Demonstrate managerial skills for different functional areas like marketing, finance and human resource management.
				Introduction to Film Prodcution	At the end of the course students will be able to CO1: Demonstrate basic principles and competencies required to produce content for film.

		IV			CO2: Apply techniques and processes in developing film content. CO3: Carry out basic forms of technical investigation for developing production skills. CO4: Exercise skills in managing workloads and meeting deadlines. CO5: Reflect and discuss own work and work of others in workgroups, discussions, critiques and presentations.
				Editing	At the end of the course students will be able to: CO1 : Apply the work of editors, including acquiring resources, techniques, and skills, as well as the basics of the design and production process. CO 2: Interpret the legal and ethical requirements of editing and the editor's role related to these issues.
Visual communication	**III**	**V**		**Social Media and Digital Marketing**	At the end of the course student will be able to: CO 1: Understand the concept of digital marketing and its real-world iterations CO 2: Articulate innovative insights of digital marketing enabling a competitive edge CO 3: Understand how to create and run digital media based campaigns.

					CO 4: Identify and utilise various tools such as social media etc.
				Visual News Production	At the end of the course student will be able to: CO1: Have a basic understanding of different technical positions in the control room. CO 2: Have a basic understanding of people's roles in the control room CO 3: Understand basic strategies for completing a live or recorded television news program
				Media Laws & Ethics	At the end of the course student will be able to: CO 1: To list and explain different types of media laws in India and the world and the legal frameworks, provisions, privileges and restrictions to the media field. CO 2: To apply and determine the codes of ethics and freedom of media related to creativity and expression. CO3: To differentiate &analyze media as a system of interrelated forces, including historical foundations, technological advances, economic dynamics, regulatory constraints, and ethical concerns. CO4: To create awareness about the different acts and case studies related to Print, Broadcast, New Media, OTT and Advertising. CO5 :To Evaluate the changing trends in media legal framework.
				Advertising	At the end of the course student will be able to :

					CO 1: To identify and differentiate various platforms in Advertising. CO 2: To classify and recognise audience and market segmentation. CO 3: To demonstrate to work in advertising agencies and to actively take part in the key role of each department. CO 4: To Illustrate and Plan advertising message to multi-cultural Audience CO 5: To develop and recommend on planning and production of brand and social campaigns
				Media Research Methods	At the end of the course student will be able to : CO 1: To understand and comprehend the foundational concepts of research and research process. CO 2: To apply disciplinary knowledge and research skills to address problems within and across disciplines. CO 3 :To analyse data and synthesize findings. CO 4: To evaluate a research design and defend ethical issues associated with research. CO 5: To plan a research and communicate research results clearly, comprehensively and credibly.
				Public Relations	At the end of the course student will be able to: CO 1: Critically assess the use of rhetoric in an array of advertising and public relations materials, as demonstrated through successful completion of quizzes and critical analyses and Online critique of advertising and PR campaign

					materials. CO 2: Compose ad copy in a variety of media, as demonstrated through Critical evaluation of visuals, graphics and the written word and Designing a best practices ad kit CO 3: Develop public relations materials, as demonstrated through Designing a set of press releases to address crisis scenarios and Creating a set of press releases to relay good news and Constructing a best practices press kit
Visual communication	**III**	**VI**		**Major Project / Dissertation**	At the end of the course student will be able to: CO 1: Students will be able to simplify the process of research and carry out research methodology with their own intellectual skills. CO 2: Students will be able criticize the earlier conducted researches by other scholar and give a new approach to the same. CO 3: Students will be able to do comparative study of different researches on media and communication related topics.
				Internship	At the end of the course student will be able to: CO1: Explore career alternatives prior to graduation. CO 2: Integrate theory and practice. CO 3: Assess interests and abilities in their field of study. CO 4: Learn to appreciate work and its function in the economy. CO 5: Develop work habits and attitudes necessary for job success.

					CO 6: Develop communication, interpersonal and other critical skills in the job interview process. CO 7: Build a record of work experience.
				Portfolio Production	At the end of the course student will be able to: CO 1: Students will submit the project at the time of end term examination which will be beneficial for their career growth.

Department of Computer Science-Web Technology and Multimedia

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
BVOC(WTM)	**I**	**I**		C programming	At the end of the course, the student will be able to: CO 1: Design an algorithmic solution for a given problem. CO 2: Write a maintainable C program for a given algorithm. CO 3: Trace the given C program manually. CO 4: Write C program for simple applications of real life using structures and files
				Fundamentals of Web Technology	At the end of the course, the student will be able to: CO 1: Basic HTML tags. CO 2: They can able to develop a web application using java script. CO 3: Students will gain the skills and project-based experience needed for creating web application.

				Fundamtals of Multimedia and Basic Photoshop	At the end of the course, the student will be able to: CO 1: The major functions of Photoshop CS4. CO 2: Work and manipulate images, CO 3: Resize and Crop images. CO 4: Work with basic selections. CO 5: Create, edit, delete and manage Layers. Paint, Retouch photoS, Correct Color.
				Ms office	At the end of the course, the student will be able to; CO 1: Create documents using MS Word CO 2: Develop Style sheets and Lookup tables. CO 3: Create slides and animation effect for presentation Co 4: Create database and storing data in database CO 5: Select different tables basing on the query CO 6: Create outlook and basic usage of MS Outlook
				Digital Painting in photoshop	At the end of the course, the student will be able to; CO 1: Using drawing tablet effectively CO 2: Demonstrate how to utilize the tools within

		II			Photoshop CO 3: Identify the steps required to create a concept project CO 4: Apply an understanding of Composition, Perspective, and the Anatomy of Light CO 5: Define the characteristics of Perspective CO 6: Apply artistic direction from their instructor and peers to their own work CO 7: Objectively articulate design decisions to peers and instructor during critique CO 8: Create concept pieces that show ease and familiarity with the use of the software and hardware. CO 9: Select supporting examples of work as inspiration to design work. CO 10: Critically analyze their own creative work

					and the work of others.
				PhpProgramming -I	At the end of the course, the student will be able to; CO 1: Understand what is PHP Programming CO 2: The Syntax and rules for writing basic CO 3: PHP Programming CO 4: Arrays and Objects in PHP
				Css And Javascript	At the end of the course, the student will be able to; CO 1: Know different Style sheets CO 2: How to apply styles to the web pages without disturbing its content CO 3: Use of Dynamic HTML in detail
	II				
				3Ds max modelling	At the end of the course students will be able to: CO 1: Creating 3D Models like Interiors & Exteriors CO 2: car models, Indoor and Outdoor Locations CO 3: Creating props' and different Objects which we are using in daily life.
				3Ds max texturing and lightings	At the end of the course students will be able

		III			to: CO 1: Using the material editor & the material CO 2: explorer, creating & applying standard materials, adding material details with maps CO 3: creating compound materials and material modifiers, unwrapping UVs & mapping texture.
				Phpprogramming II	At the end of the course students will be able to: CO 1: String functions CO 2: Printf, scanf functions CO 3: Different date and time functions CO 4; Trimming functions CO 5: How to connect our PHP Programming to the database
				Webphotoshop	At the end of the course students will be able to: CO 1: Creating different Website Layout Designing, Social Website Layout Design CO 2: Official Website Layout Design, creating buttons , menus, shadings image framing.
				Mini Project	At the end of the course students will be able to CO 1: Students will go to the companies for doing their Internships. With this they will learn the real

		IV			application of their work (softwares) and they will do one real project. CO 2: They will learn how an industry crack a project. They will also learn new Plug Ins which the industries are using.
				Maya Modelling	At the end of the course students will be able to CO 1: Character modeling design, visual art principles, tools and extension through the pipeline. CO 2: The project starts with verbal representations by completing characterization profile followed by 2D drawings of the character design. CO 3: Students will apply the professional practices taught in class to digitally sculpt their own characters in 3D using MAYA. Each student is responsible for their own model while working within a group of 3-4 peers. CO 4: Together each member will design and create a character that fits one unified art direction as agreed on by its members (the group).
				Python	At the end of the course students will be able

					to: CO 1: Python is a versatile language that can be used for a wide range of applications, including web development, data analysis, artificial intelligence, machine learning, scientific computing, automation, and more. Learning Python opens up opportunities in various fields. CO 2: Python is known for its simple and easy-to-read syntax, making it a great language for beginners to start with. Its readability and simplicity make it easier to learn compared to other programming languages. CO 3: Python can be used to build web applications using frameworks like Django and Flask. Learning Python can help you enter the field of web development and create dynamic websites and web applications.
				BG Art concepts	At the end of the course students will be able to: CO 1: Create Old Concrete, Flooring, and Carpeting. CO 4: Create Sand Texturing, Brick Texturing, Floor Texturing CO 5: Create Different types of Wall Textures in New Interior Models
				Maya Texturing and lighting	At the end of the course students will be able to CO 1: Exploring Types of Materials ,Understanding Materials Attributes CO 2: Using the Hyper shade Window Texturing, Types of Textures, UV Texturing Mapping, Shading

					and Texturing, Material Assigning, Exploring the Types of Lighting CO 3: Creating Lighting Effects, Understanding Shadows, Understanding Mental Ray, Exploring Mental Ray Attributes CO 4: Exploring Types of Cameras, Working with Cameras, Understanding Cameras Attribute, Mental Ray Rendering, Rendering a Scene CO 5: Working with Rendering Layers, Exploring Render Nodes.
				SQL server	At the end of the course students will be able to CO 1: What is database CO 2: Use of database CO 3: Creation of database CO 4: Knowledge on Queries CO 5: Query solving CO 6: Transaction Recovery
				Adobe Flash	At the end of the course students will be able to CO 1: Simple animation CO 2: Application of Adobe Flash CO 3: Usage of Flash CO 4: Combining Flash animations into single project CO 5: Adding sound to their animation
				Photography	At the end of the course students will be able to

		V			CO 1:What is Photography CO 2: Carrier opportunities CO 3: Camera Features CO 4: DSLR camera CO 5: Identifying the object focal length CO 6: Techniques in Photography
				Lab training project	At the end of the course students will be able to CO 1: This helps students in applying the knowledge which they have learned in a project. CO 2: So they will know the combing of works into a project. CO 3: They will model the project by using clay techniques.
				Programming through java	At the end of the course students will be able to CO 1: What is Java Programming CO 2: Why it is used CO 3: Programming techniques in Java CO 4: Security in Java by Access Specifiers. CO 5: Exception Handling CO 6: Dividing the program into simpler parts Thread Concept

				Z brush modelling	At the end of the course students will be able to CO 1: Z Brush is the 3D industry's standard digital sculpting application. Use customizable brushes to shape, texture, and paint virtual clay, while getting instant feedback. Work with the same tools used by film studios, game developers and artists the world over. CO 2: Dynamesh is Z Brush's digital clay. It rebuilds the topology of your model as you sculpt, creating a smooth, even surface for you to add fine details. Z Brush bridges the gap between 2D and 3D. CO 3: In this students will create different models using clay tools etc.
	III			Z brush Texturing	At the end of the course students will be able to CO 1: In Z Brush Texturing we give texturing to a model done in Z **B**rush and give detailing to the objects using alpha and stroke CO 2: We can give colors CO 3: By using dynamesh students learn to create how to soften the object CO 4: By using different brushes according to the model students will learn to give the texture detail in more realistic way. CO 5: They also learn how to import the model done

					in maya into the Z Brush to give particular detailing and textures to the model.
		VI		Film Making	At the end of the course students will be able to CO 1: The techniques in Film Making, CO 2: How to select a story CO 3: How to write the story script CO 4: How to do shooting CO 5: How to act in a film
				Java servlets	At the end of the course students will be able to CO 1: What is Servlets CO 2: Usage of Servlets CO 3: Combining Java Program to a database with servlets. CO 4: Creating forms in java and storing the data in database.
				After effects video editing	At the end of the course students will be able to CO 1: The basics of creating projects, compositions, and layers,Importing footage, including video, audio, and still images CO 2: Creating special effects using the Effects

					menu,Creating animation for shapes, objects, and layers CO 3: Adding and animating text ,Drawing shapes ,Animating shapes,Creating and using masks and track mattes
				After effects audio editing	At the end of the course students will be able to CO 1: Working in 3D Using the puppet tools to create animated characters and effects CO 2: Extracting and removing objects from layers, Exporting to video

B.VOC-Clinical and Aqua Lab Technology

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
CALT	**I**	**I**	Paper I	Biology of Fish	At the end of the course, the student will be able to: CO1 Explain the General characters of Fishes and Classification CO2 Understand the anatomy of bony fish CO3 Understand Fish nutrition CO4 Describe fish scales CO5 Understand general characters of crab, Lobester
		II	Paper II	Seed Production Technology	At the end of the course, the student will be able to; CO1 Learn the importance of Fish seed CO2 Understand the fish resources CO3 Describe Fish hatchery CO4 Understand Fish breeding CO5 Explain cryopreservation
	II	**III**	Paper III	Aquatic Ecology & Toxicology	At the end of the course students will be able to: CO 1: Understand pond ecosystem CO 2: Explain planktonic organisms CO 3: Estimation of water paramers like DO, Ammonia CO 4: Estimation of Water parameters like Carbonates, bicarbonates CO 5; Understand BOD treatment
		IV	Paper IV	Aquaculture Management	At the end of the course students will be able to CO 1: Understand Site eclection criteria CO 2: learn about pond mangement CO 3: Learn crustacean and molluscan Fisheries CO 4: Water quality management CO5: Understand health management

	III	**V**	Paper V	Ornamental Fish Keeping	At the end of the course students will be able to CO 1 Understand potential scope of ornamental industry CO 2 Understand Aquarium fish CO 3 learn food and feeding of fish CO 4 learn transport of fish CO 5 maintenance of Aquarium
			Paper VI	Post Harvest Technology	At the end of the course students will be able to CO 1: Understand preservation and processing of fish CO 2: Know the biproducts of fish CO 3: Understand marketing of fish CO 4: Learn about Fishery Economics CO 5: Understand Export and quality control
		VI	Paper VII	Human Anatomy	At the end of the course students will be able to CO 1 Knew about anatomical terms of Human body CO 2 Understand Digestive, Repiratory systems CO 3 Understand Excretory and circulatory system CO 4 Understand Nervous suytem CO 5 UnderstanfUrinogenitalsysem
			Paper VIII A1	Physiology	At the end of the course students will be able to CO 1. Understand Digestive and Respiration CO 2: Understand Circulatory and Excretion CO 3: Understand Repruction CO 4: Learn about Endocrine glands CO 5: Understand Nervous coordination and muscle contraction.
			Paper IX	Clinical Laboratory Practices	At the end of the course students will be able to CO 1: Learn about Laboratory services CO 2:Learn about

					CO 3: Understand infrastructure and sample collection CO 4: Learn about all equipment in the lab CO 5:
			Paper 10	pathology -I	At the end of the course students will be able to CO 1: Knew about introduction to animal cell CO 2: Understand reception of specimen, tissue embedding, preparation tissue blocks CO 3: Processing and cleaning of tissue blocks CO 4: Equipment for pathological slides CO 5: Procedures of section cutting and microslide preparation
			Paper 11	Microbiology I	At the end of the course students will be able to CO 1: Know the general bacteriology CO 2: Understand culture media preparation CO 3: Learn systemic bacteriology CO 4: Understand bacterial infections and diagnosis CO 5: Procedures of CNS infections
			Paper 12	Biochemistry I	At the end of the course students will be able to CO 1: Understand introduction to chemical balance CO 2: Understand conceprts of molecular weight CO 3: Principles of photometry and spectrometry CO 4: Learn the chemistry of carbohydrates CO 5: Learn the chemistry of Proteins and fats
			Paper 13	Haematology	At the end of the course students will be able to CO 1: Know the blood composition CO 2: Estimation of WBC and RBC CO 3: Understand blood transfusion

					CO 4: problems of blood transfusion like AIDS, CO 5: Understand stains used in Heamatology
			Paper 14	Immunology II	At the end of the course students will be able to CO 1: Understand Immunity, Types of Immunity CO 2: Learn about anibody and antigens CO 3: Understand Antigen and antibody reaction CO 4: Learn about immune system and immune response CO 5: infection, modes of transmission
			Paper 15	Biochemistry II	At the end of the course students will be able to CO 1: Enzyme definition, classification CO 2: Determination of SGOP, SGPT, CO 3: Chemistry of Proteins CO 4: Chemistry of Lipid, triglycerides CO 5:Inorgonic ions
			Paper 16	Pathology II	At the end of the course students will be able to CO 1: Knew about types of staining agents CO 2: Demonstration of pigments, CO 3: Demonstration collegen CO 4: Preparation of cell blocks CO 5: Museum techniques
			Paper 17	Immunology II	At the end of the course students will be able to CO 1: Hemorrhagic disorders- Mechanism of coagulation CO 2:,Understand Hyper sensitivity CO 3: Learn Immunodeficiency diseases CO 4: Learn Autoimmunity CO 5: Understand Basics of Tumor Immunology

			Paper 18	Microbiology II	At the end of the course students will be able to CO 1: Understand general properties of Virology CO 2: Knew DNA viruses CO 3: Understand fungi and diseases CO 4: learn parasites and their preventice methods CO 5: learn cestoda parasites

Department of social science

History Course outcomes- 2021-2022

Subject	Year	Semester	Course	Title of the course	Course outcomes
History	**I**	**I**	Paper I	**Ancient Indian history and culture.** **(from 13th century A.D)**	At the end of the course, the student will be able to: CO1 It creates awareness about one of the Ancient civilization of the world. CO2 Compare and contrast stages of progress from Vedic culture to Jainism, Buddhism and Mauryans. CO3 I can make to identify transition from territorial States to emergence of Empires – Gain knowledge about South Indian culture. CO4 Impacts knowledge about classical age - Development of Science, Technology – Newculture through Arabs. CO5 Facilitate to study administration from basic administrative unit and can compare with present day.
		II	Paper II	Medieval Indian history and culture. (from 1206 TO 1764A.D)	At the end of the course, the student will be able to; CO1 Know the Delhi Sultanate rule, Administrative policies and reforms CO2 Understand the nature of medieval Indian states CO3 Get knowledge of the emergence of composite culture in India CO4 Learn about the Bhakti Movement and the evolution of composition CO5 Know the Marathas and Sikh political history.
	II	**III**	Paper III	Modern Indian history and culture. (from 1764to 1947A.D)	At the end of the course students will be able to: CO1. Comprehensive understanding of British policies. CO2. Awareness of key reform movements. CO3. Knowledge of Nationalist movements. CO4. Insight into Gandhian and revolutionary

					movements. CO5. Understanding of communalism and partition.
		IV	Paper IV	History and culture of Andhra (from 1512to 1956A.D)	At the end of the course students will be able to CO1 ; Students will be able to interpret social, political and cultural transformation from Medieval to Modern Andhra. CO2;Able to relate historical developments in Andhra during Medieval period. CO3 Students can understand colonial policies of British in Andhra CO4 Student will gain knowledge about social and religious reformers and movements CO5 Student will be able to know struggle behind the formation of Andhra State.

Department of Social Sciences

Economics Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
		IV	**Paper IV**	Economic Development in India and AnddhraPradesh.	At the end of the course students will be able to; CO1 Understand the various features of the Indian economy, objectives and achievements of planning and NITI AYOG CO2 Understand the basic demographic concepts and their evolution during the process of development. CO3 Understand the issue of governance of communities and organisations and their link to sustainable development CO4 Understand the role of agriculture , industry and service sectors in Indian economy CO5 Understand economic reforms and their impact
			V	Statistical Methods for Economics	At the end of the course students will be able to; CO1 Able to use statistical techniques for quantitative, data-based problems, analysis and inference CO2 Understand the concept of random variables and discrete and continuous distributions of random variables. CO3 Estimate population parameters based on random samples CO4 Understand the importance of random sampling CO5 Learn hypothesis testing , type of errors and power of a test.

Department of Social Sciences

Political Science Course outcomes- 2021-2022

Subject	Year	Semester	Course	Title of the course	Course outcomes
Political Science	**I**	**I**	**I**	INTRODUCTION TO POLITICAL SCIENCE	At the end of the course students will be able tO CO 1: Recall the previous knowledge about Political Science and understand the nature and scope, traditional and modern approaches of PoliticalScience. CO 2: Understand concepts intrinsic to the study of PoliticalScience. CO 3: Have solid theoretical understanding of Rights and its theories along with the basic aspects of certain politicalideologies. CO 4: Apply the knowledge to observe the field levelphenomena.
		II	**II**	BASIC ORGANS OF THE GOVERNMENT	At the end of the course students will be able to: O 1: Understand the Origin and Evolution of the concept of Constitutionalism and classification ofConstitutions. CO 2: Acquaint themselves with different theories of origin ofState. CO 3: Understand and analyses organs and forms of Governments along with a deep insight into the

					various agents involved in the politicalprocess. CO 4: Apply the knowledge to analyse and evaluate the existingsystems.
		III	**III**	Indian Government and Politics	At the end of the course students will be able to: CO1: Acquire knowledge about the historical background of Constitutional development in India, appreciate philosophical foundations and salient features of the Indian Constitution. CO2: Analyze the relationship between State and individual interms of Fundamental Rights and Directive Principles of StatePolicy. CO3: Understand the composition of and functioning of Union Government as well as State Government and finally CO4: Acquaint themselves with the judicial system of the country and its emerging trends such as judicialreforms

Department of Social Sciences

Psychology Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Psychology	**I**	**I**	Paper I	General psychology	At the end of the course, the student will be able to: CO 1: Understanding and application of psychological principles, theories and methods of different psychological areas (like learning, memory, etc.) to understand the complexity of human behaviour. CO 2: Knowledge of the fundamental physiological functional mechanism behind the Nervous system in the human body. CO 3: It also correlates to the understanding of historical context of different studies and researches.
		II	Paper II	General psychology	At the end of the course, the student will be able to; CO 1: Extensive knowledge about different theories and principles of Cognition and Behaviour concerning the areas of Motivation, Emotion, Intelligence, Thinking, and Personality etc. CO 2: Understand the measures involved in different aspects of human behaviour. CO 3: Develop ability to relate the psychological concepts to everyday life events.
	II	**III**	Paper III	Social psychology	At the end of the course students will be able to: CO 1: Develop insight and the contribution of social psychologists to the understanding of human society.

					CO 2: Evaluate effective strategies in socialization, group processes (both inter and intra-group) and helping behavior. CO 3: Ability to register the progression of theories in major areas in Social Psychology. CO 4: Interpret attitude formation and various methods to be used to change the attitude.
		IV	Paper IV	Social psychology	At the end of the course students will be able to CO 1: Recognize major theories of social psychology related to cognitive and behavioral phenomenon. CO 2: Describe the scientific methods used to obtain knowledge about social behavior. CO 3: Analyze the complexity of action in social contexts by combining factors related to the person and the situation. CO 4: Describe situational factors that constrain human action. CO 5: Describe social factors that affect personal motivations. CO 6:Analyze contemporary events using social psychological theories or concepts. CO 7: Examine the effects of implicit and explicit prejudice on cognition and behavior.
	III	**V**	Paper V	Child psychology	At the end of the course students will be able to CO 1: Review, appraisal and applications of theory of child psychology in various settings. CO 2: Ability to construct and interpret a historical overview of Child psychology.

					CO 3: This course introduces the students to the biological foundations, various developmental stages and theories from prenatal to childhood stages.
			Paper VI	Psychopathology	At the end of the course students will be able to CO 1: Identify different types of anxiety and mood disorders, their clinical picture and management CO 2:Analyze Impact of socio-occupational & personal functioning. CO 3: Formulate the case with the help of psychological testing. CO 4: Plan Therapeutic programs for management based on goals of therapy
		VI	Paper VII	Child and adolescent psychology	At the end of the course students will be able to CO 1: State the meaning of psychology; CO 2: Explain the relevance of the study of psychology of childhood and adolescent for a teacher-trainee CO 3: Outline the methods you will select when studying children's different problems CO 4: Define the following basic concepts in child development: maturation, learning, development, perception, and motivation CO 5: Outline the biological and environmental bases of human development CO 6: Describe the trend of the changes that occur in the following facets of human development
			Paper VIII	Psychopathology	At the end of the course students will be able to CO 1: The students will understand signs and symptoms of psychopathology.

					CO 2: They will be able to assess the symptoms, nature, causes and dysfunctions associated with these disorders CO 3: They will be able to understand the intervention programs with regard to the goals of therapy. CO 4: Develop an understanding of etiology of various mental health symptoms and illnesses. CO 5: Develop familiarity with the usual clinical course of each specific mental illness.

Department of Social Science

Social Work Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Social work	**I**	**I**	Paper I	Social work-profession, philosophy and basic social science concepts	At the end of the course, the student will be able to: CO 1: The students will acquire the knowledge on social work methods CO 2:The students will enhance knowledge on social case work CO 3: The students Will get knowledge on social group work CO 4: The students will understand the Basic concepts of community organization.
		II	Paper II	Social work-profession, philosophy and basic social science concepts	At the end of the course, the student will be able to; CO 1: At the end of the course the student will be able to CO 2: Get knowledge on social reform movements in India CO 3: Understand the origin and growth of social work in USA, UK and India. Auquiné knowledge on social work values, ethies, principles and approach CO 4: Develop knowledge on social practice in various settings
	II	**III**	Paper III	Social work methods I	At the end of the course students will be able to: CO 1: The students will understand the concept of

Subject	Year	Semester	Course	Title of the course	Course outcomes
					social work CO 2: The students will acquire the knowledge on social work methods CO 3: The students enhance knowledge on social case work CO 4: The students will get knowledge on social group work CO 5: The students will understand the basic concepts of memunity organisation
		IV	Paper IV	Social work methods II	At the end of the course students will be able to CO 1: The students will understand the concept of social work CO 2: The students will acquire the knowledge on social work methods CO 3: The students enhance knowledge on social case work CO 4: The students will get knowledge on social group work CO 5: The students will understand the basic concepts of community organisation
	III	**V**	Paper V	Fields of social work I	At the end of the course students will be able to CO 1: To understand the concept of social work CO 2:To acquire the knowledge on social work methods

Subject	Year	Semester	Course	Title of the course	Course outcomes
					CO 3: To enhance knowledge on integrated approach of social work To get knowledge on foublem solving and termination CO 4:To obtain knowledge on importance and types of fivid work in social work
			Paper VI	Non-governmental organisations	CO 1: Understand the concept of Non-Governmental Organisations CO 2: Acquire the knowledge on formation of r non-governmental organisation CO 3: Enhance knowledge on management of non-governmental organisation Understand the financial management of non-governmental organisation CO 4: Enhance the knowledge on financial management of non-governmental manisation
			Paper VII	Fields of social work II	At the end of the course students will be able to CO 1: To understand the concept of social work CO 2: To acquire the knowledge on social work methods CO 3: To enhance knowledge on integrated approach of social work To get knowledge on problem solving and termination CO 4: To obtain knowledge on importance and types of vivid work in social work

Subject	Year	Semester	Course	Title of the course	Course outcomes
			Paper VIII A1	Social problems and social welfare in India	CO 1: Students at the successful composition of the course will be able to CO 2: Develop knowledge about and analyze the origin, and cames of social problems Understand the effects of social problems on individuals, groups and society CO 3: acquire knowledge about social reforms, social policy and social legislation and critically understand their role in controlling the social problems CO 4: Aware on the Preventive and remedial services of Govt. and Non- Governmental in dealing with social Problems
			Paper VIII A2	Social work and HIV/AID	CO 1: By the end of the paper, students will be able to: CO 2: Describe Key Epidemiological Trends: Articulate the key epidemiological trends of HIV/AIDS on a global and local scale. CO 3: Identify Social Determinants: Identify and explain how various social determinants impact the spread and treatment of HIV/AIDS. CO 4: Explain the Role of Social Workers: Clearly explain the different roles and responsibilities of social workers in the context of HIV/AIDS. CO 5: Design Intervention Programs: Design a basic intervention program that addresses the needs of individuals living with HIV/AIDS.

Subject	Year	Semester	Course	Title of the course	Course outcomes
			Paper VIII A3	Corporate social responsibility	CO 1: At the end of the course the student will be able to: CO 2: Develop a holistic understanding of the concept CSR CO 3: Gain adequate knowledge on CSR Policy Understand global perspectives on CSR practices CO 4: Know various CSR practices in India and Andhra Pradesh through case study.

Department of Commerce

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
OMMERCE	I	I	B.Com General and computer	Financial Accounting	CO1. Knowledge of economic principles (supply and demand, market structures). CO2. Familiarity with financial concepts (accounting, financial statements) CO3. Understanding of commerce environments (globalization, international trade) CO4. Ability to analyze business problems and develop solutions CO5. Knowledge of marketing principles (market research, consumer behavior)
				Business organization and management	CO1. Knowledge of management functions (planning, organising, leading, controlling) CO2. Familiarity with organisational behaviour (motivation, leadership, communication) CO3. Understanding of human resource management

					(recruitment, training, performance appraisal) CO4. Ability to analyse and design organisational systems and processes CO5. Knowledge of operations management (production, quality control, supply chain)
			B.Com General and computer	Business environment	CO1. Understanding of business environment concepts: Students will comprehend key terms, theories, and principles. CO2. External environment analysis: Students will learn to analyze the external environment (PESTLE analysis). CO3. Internal environment analysis: Students will understand how to analyze the internal environment (SWOT analysis). CO4. Industry analysis: Students will learn to analyze industries and competitors.
		II	B.COM (COMP&GEN)	Financial accounting	Co1: To understanding of basic commerce concepts and principles of Commerce, including trade, business market structures and the role of Commerce in the

					economy. Co2:TO know about conzinementdepresiatation,jointventure,and rectification of errors. Co3: Identify the basic principles of marketing, including market research, product development, pricing strategies, promotional distribution channels. Co4:. Explain the basic economic principles that affect commerce, including supply and demand, pricing and economic cycles.
		II	B.COM (COMP&GEN)	Business statics II	CO1. Confidence intervals: Students will learn to estimate population parameters with confidence intervals. CO2. Data visualization: Students will learn to effectively communicate insights using charts, graphs, and other visualizations. CO3. Business decision-making: Students will apply statistical techniques to real-world business problems.

					CO4. Critical thinking: Students will develop critical thinking skills to evaluate information and make informed decisions. CO5. Communication skills: Students will learn to present statistical findings effectively.
		II	B.COM (COMP&GEN)	Business economics	CO1Knowledge of macroeconomic concepts (GDP, inflation, unemployment) CO2. Ability to analyze market trends and competition CO3. Familiarity with cost-benefit analysis and decision-making CO4. Understanding of production
		II	B.COM (GEN)	Banking theory and practices	CO1 -Discuss the impact of government policy and regulations on the banking industry. CO2 -Evaluate the performance of the banking industry. CO3 -Discuss bank lending policies and procedures. CO4 -To elucidate the broad functions of banks CO5 - To understand the working of the Reserve

					Bank of India
		III	B.Com general and computer	Advanced accounting	CO1. In-depth understanding of financial reporting and analysis CO2. Ability to apply advanced accounting standards and regulations (e.g., IFRS, GAAP) CO3. Knowledge of consolidated financial statements and group accounting CO4. Familiarity with advanced financial statement analysis techniques
		III	B.Com general	Business statistics	CO1. Confidence intervals: Students will learn to estimate population parameters with confidence intervals. CO2. Data visualization: Students will learn to effectively communicate insights using charts, graphs, and other visualizations. CO3. Business decision-making: Students will apply statistical techniques to real-world business problems.

					CO4. Critical thinking: Students will develop critical thinking skills to evaluate information and make informed decisions.
		III	B.Com General	Marketing	CO1. Understanding of marketing concepts and frameworks CO2. Ability to conduct market research and analyze consumer behavior CO3. Knowledge of target marketing and segmentation strategies CO4. Familiarity with brand management and brand positioning CO5. Understanding of marketing communications (advertising, promotion, PR)
		IV	B.Com General and computer	Corporate accounting	CO1. Corporate finance: Students will learn about corporate finance, including capital raising, restructuring, and advisory services. CO2. Mergers and acquisitions: Students will understand the process of mergers and acquisitions, including deal structuring and negotiation.

					CO3. IPOs and equity financing: Students will learn about initial public offerings (IPOs) and equity financing options. CO4. Debt financing and restructuring: Students will understand debt financing options and restructuring strategies.
		IV	B.COM(COMPUTERS & GENERALS)	cost and management accounting	Co1: Understand various costing methods and management techniques, Apply Cost and Management accounting methods for both manufacturing and service industry. Co2: Prepare cost sheet, quotations, and tenders to organization for different works Co3: Compare and contrast the financial statements of firms and interpret the results and Prepare analysis of various special decisions, usingrelevant management techniques.

		IV	B.Com General and computer	Income tax	Co1: Understand the basic principles underlying the Income Tax Act Compute the taxable income of an assesses Co2: know the residential status of assesses and incomes exempted from tax Co3: To familiar with the computation of income from salary, To familiar with the computation of income from house property, income from salary, income from house property
		IV	B.Com General and computer	Business law	CO1: Understand the legal environment of business and laws of business, Highlight the security aspects in the present cyber-crime scenario. CO2: Apply basic legal knowledge to business transactions, Understand the various provisions of Company Law. CO3: Engage critical thinking to predict outcomes

					and recommend appropriate action on issues relating to business associations and legal issues and Integrate concept of business law with foreign trade.
		IV	B.Com General and computer	Auditing	CO1: Understanding the meaning and necessity of audit in modern era, Comprehend the role of auditor in avoiding the corporate frauds. CO2: Identify the steps involved in performing audit process, Determine the appropriate audit report for a given audit situation. CO3: Apply auditing practices to different types of business entities and plan an audit by considering concepts of evidence, risk and materiality
		IV	B.Com General	Goods and service tax (GST)	CO1. GST registration and compliance: Students will learn about GST registration, returns, and compliance requirements. CO2. Taxable supplies and exemptions: Students will understand what constitutes a taxable supply and

					exemptions. CO3. Input tax credits and refunds: Students will learn about claiming input tax credits and refunds. CO4. GST calculations and invoicing: Students will understand how to calculate GST and prepare GST-compliant invoices. CO5. GST classifications and rates: Students will learn about different GST classifications and rates.
		V	B.Com Finance	management accounting and practice	CO1: Understand the nature and scope of management accounting and differentiate management accounting, financial accounting and cost accounting. CO2: Compute ratios and draw inferences CO3: Analyse the performance of the organization by preparing funds flow statement and cash flow Statements CO4: Prepare cash budget, fixed budget and flexible

					budget.
		V	B.Com general and computer	Cost control techniques	CO1: Differentiate cost control, cost reduction concepts and identify effective techniques. CO2: Allocate overheads on the basis of Activity Based Costing. CO3: Evaluate techniques of cost audit and rules for cost record. CO4: Appraise the application of marginal costing techniques to evaluate performances, fix selling price, make or buy decisions
		V	B.Com General and computer	Advertising and media planning	CO1: Understand the role of advertising in business environment and understand the legal and ethical issues in advertising. CO2: Acquire skills in creating and developing advertisements and understand up-to-date advances in the current media industry. Acquire the necessary

					skills for planning and advertising media campaign.
		V	B.Com General and computer	Sales promotion and practice	CO1Ability to plan and execute sales promotion campaigns CO2. Knowledge of sales promotion tools and techniques (advertising, publicity, sales incentives) CO3. Familiarity with sales promotion budgeting and cost control CO4. Understanding of sales promotion evaluation and measurement CO5. Ability to develop effective sales promotion materials (brochures, flyers, websites)
		V	B.Com General	Service marketing	CO1: Discuss the reasons for growth of service sector and examine the marketing strategies of Banking Services, insurance and education services. CO2: Review conflict handling and customer

					Responses in services marketing. CO3: Describe segmentation strategies in service marketing and Suggest measures to improve services quality and their servicedelivery.
		V	B.Com General	Stock markets	CO1:Expose to theory and functions of the Share Market in Financial Sector as job careers and 2. Study the functioning of capital markets and create awareness among the public. CO2: Acquire knowledge on operations of Share Market and Research skills and involve in activities of Mutual Funds and stock market firms. CO3: Enhance their skills by practicing in preparation of accounting statements
		VI	B.Com general and computer	Internship	Internship

Department of Management Studies

Course outcomes- 2021-2022

Subject	Semester	Course	Title of the course	Course outcomes
BA	**I**	Course 1	Principles Of Management	At the end of the course, the student will be able to: CO1: To explain the basic concepts ,principles and theories of Management CO2: To outline the fundamental activities of Managers CO3: To examine the broad functions of Management CO4:TocomprehendthecontemporaryissuesandchallengesinthefieldofManagement CO5: To understand various control techniques practiced at organizations
		Course 2	Managerial Economics	At the end of the course, the student will be able to: CO1: To state concept of economics and its relevance to business. CO2: Understand concepts of perfect competition and monopoly for fixation of prices. CO2: Understand the international business scenario and concepts of BOP. CO3: Learn to apply the concepts of cost and Break-even analysis and learn various theories on production. CO4: Comprehend the concept of Demand analysis for making important business decisions
		Course 3	Quantitative Methods for Managers	At the end of the course, the student will be able to; CO1: Provide the basic knowledge of quantitative methods and their application to commercial situation and for decision making in business.

	II	Course 4	Fundamentals of Marketing	At the end of the course, the student will be able to; CO1: To know the basic concepts on Marketing Environment CO2: Develop understanding about marketing management concepts and frameworks. CO3: Analyze an organization's marketing strategies, formulate and assess strategic, operational and tactical marketing decisions.
		Course 5	E-Commerce	At the end of the course students will be able to: CO1: Understand the concept of electronic commerce, and how electronic commerce is affecting business enterprises, governments, consumers and people in general. CO2: Recognize the impact of Information and Communication technologies, in business operations.
		Course 6	Accounting for Managers	At the end of the course, the student will be able to; CO1: Acquire conceptual knowledge of basics of financial accounting. CO2: Understand the list of accounting standards and their application. CO3: Demonstrate hands on skills in preparing Financial Statements of a Business enterprise. .
	III	Course 7	Human Resources Management	At the end of the course, the student will be able to; CO1: Acquire knowledge on HRM, its environment, methods of selection, and Interview techniques. CO2: Impart the skills to manage various functions of Human Resource Management in order to provide the professional approach and outlook.
		Course 8	**Organization Behaviour**	At the end of the course, the student will be able to; CO1: Grab the basics of Business concepts and functions, forms of Business Organisation and functions of Management. CO2:Tounderstand different types of personality and learning styles.

				CO3: Develop an appreciation for the interdisciplinary nature of business, recognizing how various functions within an organization are interconnected and contribute to overall success. CO4: To analyse the contemporary trends in business. CO5: Foster critical thinking skills by analysing real-world business scenarios and applying theoretical frameworks to solve problems and make informed decisions.
		Course 9	Financial Management	At the end of the course students will be able to: CO1: To gain basic knowledge of objectives of Financial Management and its functions. CO2: To gain familiarization with different financial decisions that impacts any organization. CO3: To understand the capital budgeting process and risk analysis in capital budgeting and Understand decisions relating to dividend policies and their valuation CO4: Analyze working capital management to organization.
	IV	Course 10	Training and Development	At the end of the course students will be able to: C CO1: To provide basic conceptual knowledge on basic concepts associated with learning process, learning theories, training and development . CO2: To familiarize with evaluation design to asses training program effectiveness and Emerging trends in training and development CO3: Understand training needs, identification of training needs, training processes, and training methods. CO4: To enable the students to design Relevant and usefulness training expertise in the organizational work environment.

		Course 11	Business Law	At the end of the course students will be able to: CO1: To equip the student with fundamental concepts, principles relating to Contract Act that applies to business situations. CO2: To provide an overview on Negotiable Instruments Act and Partnership Act in India. CO3: To understand the regulatory framework of companies with reference to various provisions of Companies Act. CO3: To understand the essentials and execution of Sale contracts. CO4: To acquire knowledge on Right to Information Act and Consumer Protection Act.
		Course 12	Micro ,Small and Medium Enterprise Management	At the end of the course students will be able to: CO1: To provide an over 'view on setting up of MSME's and registration CO2:To understand the role and impotence of MSME's in India. CO3:To accurate Knowledge Regarding different Government Schemes available for MSME'
		Course 13	**International Business**	At the end of the course students will be able to: CO1: Understand International Business in a multicultural world. CO2: Acquire knowledge about the impact of various economic, legal, cultural, geographical, and political systems on international business
		Course 14	**Cost and Management Accounting**	At the end of the course students will be able to: CO1: Acquire conceptual knowledge of basics of financial accounting. CO2: Understand the list of accounting standards and their application. CO3: Demonstrate hands on skills in preparing Financial Statements of a Business enterprise.
		Course 15	**Financial Services:**	At the end of the course students will be able to: CO1: Gather knowledge of Issues in Primary & Secondary Markets & about the various Financial Services CO2: Understand the difference between Traditional & Modern Financial Services

	V	Course 16	Talent Management	At the end of the course students will be able to: CO1:Understanding each of the building blocks in Talent management. CO2: Developing Knowledge on measuring the effectiveness of talent management initiatives CO3: Identify and acquire talent that meet organizational needs by sourcing right candidate for the right role
		Course 17	Global HR	At the end of the course students will be able to: CO1: To understand theory and practices in the field of HRM. CO2:To develop and ability to assess the opportunities and constraints associated with HR development in the Organization. CO3: To get an overview of theoretical foundation of key areas associated with HR development in the organization
		Course 18	Export and import	At the end of the course students will be able to: CO1: Understand the significance of Export and Imports Management and its role in economy CO2: Enhance their skills by practicing in foreign trade. CO3: Acquire Knowledge on proceedings of export and import.
		Course 19	Brand Management	At the end of the course students will be able to: CO1: Understand and conduct the measurement of brand equity and brand performance. CO2: Demonstrated the ability to conduct a critical brand audit, includes recommendations for changes and impartments in brand management .

		Course 20	Financial Exchange Management	At the end of the course students will be able to: CO1:Identify Foreign Exchange risk management and technics availability small business operations for risk exposer containment. CO4: Analyze alternative currency translation methods for settlements of goods. CO5: Evaluate the inter company funds flow mechanisms, cost and benefits.
		Course 21	E-Payment	At the end of the course students will be able to: CO1: To identify key principles based on exam guidelines. CO2: Conduct risk focused payment system Exam. CO3 : Define key components and key players in the payment industry.
	VI	Semester Internship		

Department of Hindi

Course outcomes- 2021-22

Subject	Year	Semester	Course	Title of the course	Course outcomes
Hindi	**II**	**III**		**Old & Modern Poetry, History of Hindi Literature, Essays, Translation & Functional Hindi**	**III Semester** के अंत में विद्यार्थी इन विषयों को सीखते है... Co 1: प्राचीन .आधुनिक पद्य साहित्य के अध्ययन से पद्य साहित्य का परिचय। Co 2: इतिहास में विविध कालों का परचिय। Co3: सामान्य निबंध से विविध विषयों पर ज्ञान वृद्धि। Co4: अनुवाद अभ्यास के द्वारा भाषा ज्ञान की वृद्धि। Co 5 : भवष्य की नौकरियों केलिए प्रयोजन मूलक हिंदी का परिचय।