CH.S.D.ST.THERESA'S COLLEGE FOR WOMEN
(AUTONOMOUS)
Affiliated to Adikavi Nannaya University, Rajahmahendravaram
Gavaravaram, Katta Subbaraothota, Sanivarapupeta Road, Eluru - 534003 A.P.
Ph: 08812 - 251210, 250380 chsdtheresa@gmail.com

Department of English

Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Advanced English	**III**	**V**	**V**	**INDIANENGLISHLITERATURE**	**CO 1**: Orient students about the prose writers of Indian English literature. **CO 2:** Enable students to develop creative writing in different prose style. **CO 3:** Introduce students to genres of Indian English writing such as poetry and prose.
	III	**V**	**VI**	**AMERICAN ENGLISH LITERATURE**	**CO 1:** Orient students about the American English prose writers. **CO 2:** Introduce students to American English writers of drama. **CO 3**: Enable students about creative writing.

Department of Telugu

అభ్యసనఫలితాలు2021-2022

Subject	Year	Semester	Course	Title of the course	Course outcomes
జనరల్ తెలుగు	I	I	Paper I	ప్రాచీనకవిత్వం	CO1:ప్రాచీనతెలుగుసాహిత్యంయొక్కప్రాచీనతను, విశిష్టతనుగుర్తిస్తారు. తెలుగుసాహిత్యంలోఆదికవిననన్నయకాలంనాటిభాషాసంస్కృతులను, ఇతిహాసకాలంనాటిరాజనీతివిషయాలపట్లపరిజ్ఞానాన్ని సంపాదించగలరు. CO2:శివకవులకాలంనాటిమతపరిస్థితులను, భాషావిశేషాలనుగ్రహిస్తారు. తెలుగునుడికారం, సామెతలు, లోకోక్తులుమొదలైనభాషాంశాలపట్లపరిజ్ఞానాన్ని పొందగలరు. 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**	స్పృజనాత్మకరచన	CO1:తెలుగుసాహిత్యఅభ్యసనద్వారానేర్చుకున్ననైపుణ్యాలను, స్పృజనాత్మకనైపుణ్యాలుగామార్చుకోగలరు. CO2:విద్యార్థులుభాషాతత్వాన్ని, భాషయొక్కఆవశ్యకతను, భాషయొక్కప్రాధాన్యాన్నిగుర్తిస్తారు. మనిషివ్యక్తిగతజీవనానికి, సామాజికవ్యవస్థపటిష్టతకుభాషప్రధానమనితెలుసుకుంటారు. తెలుగుభాషలోనికీలకాంశాలైన'వర్ణం-పదం-వాక్యా'లప్రాధాన్యాన్నిగుర్తిస్తూ, వాగ్రూప-లిఖితరూపవ్యక్తీకరణద్వారాభాషానైపుణ్యాలనుమెరుగుపరచుకోగలరు. CO3:భాషానైపుణ్యాలనుఅలవరచుకోవడంతోపాటువినియోగించడంనేర్చుకుంటారు. రచనా, భాషణానైపుణ్యాలనుస్పృజనాత్మకరూపంలోవ్యక్తీకరించగలరు. CO4:ప్రాచీనపద్యరచనతోపాటుఆధునికకవిత, కథ, వ్యాసం, మొదలైనసాహిత్యప్రక్రియలనిర్మాణాలకుసంబంధించినసిద్ధాంతవిషయాలనునేర్పడంతోపాటువారిలో రచనానైపుణ్యాలనుపెంపొందించుకోగలరు. CO5:స్పృజనరంగం,

					ప్రసారమాధ్యమరంగాల్లో ఉపాధిఅవకాశాలనుఅందిపుచ్చుకోగలరు.అనువాదరంగంలోనైపుణ్యంసంపాదించగలరు.
స్పెషల్తెలుగు		**I**	**Paper I**	ప్రాచీనకవితాపరిచయం	CO1:తెలుగువారిచరిత్రలోభాగమైనతెలుగుసాహిత్యచరిత్ర, చిరకాలంగాతెలుగువారుఆచరిస్తున్నసంస్కృతిలోఎలాఅంతర్భాగమైందోతెలుసుకోగలరు. CO2:తెలుగుసాహిత్యక్రమపరిణామాన్నిగురించినస్థూలమైనఅవగాహననుపొందుతారు.తెలుగులోఉన్నరెండుసాహిత్యసంప్రదాయాలైనమౌఖిక, లిఖితరూపాలనుగుర్తిస్తారు. వివిధసాహిత్యప్రక్రియలవికాసాన్నిఅవగాహనచేసుకుంటారు. CO3:ఆయాశాస్త్రాలోకృషిచేసేఆరంగంలోవిషయజ్ఞానంఎలాఅవసరమోతెలుసుకోగలరు. తెలుగుసాహిత్యంలోకృషిచేసేవారికితెలుగులోపాండిత్యంఅవసరమనిగ్రహిస్తారు. CO4:కవులుతమసృజనాత్మకతద్వారాసృష్టించినసాహిత్యాన్నిబోధించడంద్వారావిద్యార్థులుసాహిత్యంపట్లసంవేదనను, అభిరుచిని, విమర్శనాత్మకవిశ్లేషణాశక్తినిపొందగలరు. CO5:కవులు, రచయితలువాడినసృజనాత్మకభాషనుపరిచయంచేయడంద్వారావిద్యార్థులుతమకళావసరాలుతీర్చుకోగలరు.
		II	**Paper II**	ఆధునిక కవితా పరిచయం	CO1:వర్తమానతెలుగుజీవనంలోఒకభాగమైనఆధునికతెలుగుకవిత్వంతీరుతెన్నులను, సౌందర్యాన్నివిశ్లేషణాత్మకంగాఅవగాహనచేసుకోగలరు. CO2:దేశభక్తి, సామాజికఅసమానతలనివారణ, మానవతావాదంమొదలైనభావాలనుపెంపొందించుకోగలరు. CO3:సున్నితమైనభాషనుఉపయోగిస్తూ, ఉత్తమభావాలనుప్రకటించేసామర్థ్యాన్నిఅందుకోగలరు.

					CO4:వ్యవహారికభాషలోసామాజికచైతన్యాన్నిప్రోత్సహించేకవిత్వంరాయడానికిప్రేరణపొందగలరు. CO5:ఆధునికకాలంలోకవితల్లోను, వస్తువులోను, భావంలోనువచ్చినమార్పులనుగ్రహించగశిల్పంలోస్వేచ్ఛను, భావప్రకటనలోవచ్చినమార్పులను, సమాజానికిభాషదగ్గరకావడాన్ని అవగాహనచేసుకోగలరు.
		III	**Paper III**	ప్రాచీన తెలుగు సాహిత్య చరిత్ర	CO1:తెలుగువారిచరిత్రలోభాగమైనతెలుగుసాహిత్యచరిత్ర, చిరకాలంగాతెలుగువారుఆచరిస్తున్నసంస్కృతిలోఎలాఅంతర్భాగమైందోతెలుసుకోగలరు. CO2:తెలుగుసాహిత్యక్రమపరిణామాన్నిగురించినస్థూలమైనఅవగాహననుపొందుతారు.తెలుగులోఉన్నరెండుసాహిత్యసంప్రదాయాలైనమౌఖిక, లిఖితరూపాలనుగుర్తిస్తారు. వివిధసాహిత్యప్రక్రియలవికాసాన్ని అవగాహనచేసుకుంటారు. CO3:కవులుతమసృజనాత్మకతద్వారాసృష్టించినసాహిత్యాన్ని బోధించడంద్వారావిద్యార్థులుసాహిత్యంపట్లసంవేదనను, అభిరుచిని, విమర్శనాత్మకవిశ్లేషణాశక్తినిపొందగలరు. CO4:ఆయాశాస్త్రాలోకృషిచేసేఆరంగంలోవిషయజ్ఞానంఎలాఅవసరమోతెలుసుకోగలరు. తెలుగుసాహిత్యంలోకృషిచేసేవారికితెలుగులోపాండిత్యంఅవసరమనిగ్రహిస్తారు. CO5:కవులు, రచయితలువాడినసృజనాత్మకభాషనుపరిచయంచేయడంద్వారావిద్యార్థులుతమకళావసరాలుతీర్చుకోగలరు.
		IV	**Paper IV**	ఆధునిక తెలుగు సాహిత్య చరిత్ర	CO1:ఆంగ్లభాషప్రభావంవల్లవచ్చినపరిణామాలఫలితంగాఏర్పడినఆధునికతెలుగుసాహిత్యస్వరూపస్వభావాలనుతెలుసుకోగలరు. CO2:సామాజికమార్పులుసాహిత్యంలోఎలాప్రతిబింబించిందీగ్రహిస్తారు.

					CO3:ఆధునికసాహితీప్రక్రియలనుఅవగాహనచేసుకోవడంద్వారా, సమాజంపైసాహిత్యప్రభావాన్ని తెలుసుకోగలరు. CO4:మార్క్సిజంకారణంగాప్రపంచవ్యాప్తంగావచ్చినభావవిప్లవాన్ని అవగాహనచేసుకోగలరు. 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 అవగాహనచేసుకోవడంద్వారాతెలుగుక్రియారూపాలవైవిధ్యాన్ని గమనించడం CO5:వాక్యవిజ్ఞానంద్వారామహాకవులు, రచయితలవాక్యనిర్మాణరీతులనుతెలుసుకోవడం.

		V	**Paper VII -A**	తెలుగురచనారీతులు	CO1:వివిధరంగాలలోనితెలుగురచనారీతులపైప్రాథమికఅవగాహన CO2:అనువాదరంగంలో, ముద్రణామాధ్యమరంగంలోనిరచనారీతులనుతెలుసుకోవడం CO3: .ప్రసారమాధ్యమాలు, సామాజికమాధ్యమాలలోనిరచనావిధానాలనుఅవగాహన CO4:భాషలోనిఅర్థపరిణామ, ధ్వనిపరిణామాలు, అన్యదేశ్యాలపైఅవగాహన CO5:సృజనరంగంలోనిప్రధానప్రక్రియలరచనావిధానాలనుతెలుసుకోవడం.

Department of Mathematics
Course Outcomes-2022-23

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	Numerical Methods	CO 1: Difference between the Forward, Backward operators and the relation between them. CO 2: Know the central difference operators and relation between them. C03: Find Derivatives using various Difference formulae. CO4:Understand the process of Numerical Integration. CO5: Find Numerical Solution of Ordinary Differential Equations.
			Paper-VI	Mathematical Special Functions	CO1:Understand the Beta and Gamma functions, their properties and relation between these two functions, understand the orthogonal properties of Chebyshev polynomials and recurrence relations. CO2: Get the knowledge of Hermite equation, generating functions,

					orthogonal properties of Hermite Polynomials and 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:Know the solutions of ordinary differential equations by power series method.

Statistics - Course Outcomes-2022-23

Subject	Year	Semester	Course	Title of the Course	Course outcome
Statistics	I	I	I	Descriptive statistics	CO1: knowledge of Statistics and its scope and importance in various areas such as Medical, Engineering, Agricultural and Social Sciences etc. CO2:knowledge of various types of data, their organization and evaluation of summary measures such as measures of central tendency and dispersion etc. CO3: knowledge of other types of data reflecting quality characteristics including concepts of independence and association between two attributes, CO4:insights into preliminary exploration of different types of data. CO5: Knowledge of correlation, regression analysis, regression diagnostics, partial and multiple correlations
		II	II	Probability Theory and Distributions	CO1:This paper deals with the situation where there is uncertainty and how to measure that uncertainty by defining the probability, random variable and mathematical expectations which are essential in all research areas. CO2:This paper deals with various standard theoretical distributions, their chief characteristics and applications in analyzing any data.
	II	III	III	Statistical Inference	CO1: Concept of law large numbers and their uses CO2: Concept of central limit theorem and its uses in statistics CO3: concept of random sample from a distribution, sampling distribution of a statistic, standard error of important estimates such as mean and proportions, CO4: knowledge about important inferential aspects such as point

					estimation, test of hypotheses and associated concepts, CO5: knowledge about inferences from Binomial, Poisson and Normal distributions as illustrations, concept about non-parametric method and some important non-parametric tests.
		IV	IV	Sampling Techniques Designs of Experiments	CO1:Introduced to various statistical sampling schemes such as simple, stratified and systematic sampling. CO2: An idea of conducting the sample surveys and selecting appropriate sampling techniques, CO3: Knowledge about comparing various sampling techniques. CO4:carry out one way and two way Analysis of Variance, CO5: understand the basic terms used in design of experiments, CO6:use appropriate experimental designs to analyze the experimental data.
			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.
	III	V	6A	Operations research I	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.
			7A	Operations researchII	CO1: Students can solve the problems in Transportation and sequencing. CO2: Students can solve the problems in Assignment Problems

Department of Physics

Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Chemistry	**III**	**V**	**VI**	Applications of electricity & Electronics	At the end of the course students will be able to: CO1: Identify various components present in Electricity & Electronics Laboratory. CO2:Acquire a critical knowledge of each component and its utility(like resistors, capacitors ,inductors, power sources etc.). CO3:Demonstrate skills of constructing simple electronic circuits consisting of basic circuit elements. CO4:Understand the need &Functionality of various DC &AC Power sources. CO5:Comprehend the design, applications and practices of various electrical &Electronic devices and also their trouble shooting.
			VII	Electronic instrumentation	At the end of the course students will be able to: CO1: Identify various facilities required to setup abasic Instrumentation Laboratory. CO2:Acquirea critical knowledge of various Electrical Instruments used in the Laboratory. CO3:Demonstrate skills of using instruments like CRO, Function Generator, Multimeter etc. through hands on experience. CO4:Understand the Principle and operation of different display devices used in the display systems and different transducers CO5:Comprehend the applications of various biomedical instruments in daily life like B.P.meter, ECG, Pulse oxymeter etc. and know the handling procedures with safety and security.
		VI	Semester Internship		

Department of Physics & Electronics

Course outcomes- 2022-23

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	Analog Circuits and Communication Electronics	At the end of the course students will be able to: CO 1: 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	Microprocessor Systems	At the end of the course students will be able to CO 1: The student can gain good knowledge on microprocessor and implement in practical applications CO 2: Design system using memory chips and peripheral chips for 16 bit8086 microprocessor. CO 3: Understand and devise techniques for faster execution of instructions, improve speed of operations and enhance performance of microprocessors. CO 4: Understand multi core processor and its advantages CO 5:
			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 CO 4: To enable design and programming of microcontroller based system.
	III	**V**	Paper VI	Industrial Electronics	At the end of the course students will be able to CO 1: Identify various facilities required to set up a basic Instrumentation Laboratory. CO 2: Acquire a critical knowledge of various Electrical Instruments used in the Laboratory.

					CO 3: Demonstrate skills in using instruments like Rectifiers, Multimeters, Power supplies, Voltage Regulators etc. through hands-on experience. CO 4: Understand about the silicon controlled rectifier and its characteristics. CO 5: Understand the Principle and operation of different Electronic Heating devices. .
			Paper VII	Electronic Instrumentation	At the end of the course students will be able to CO 1: Identify various facilities required to set up a basic Instrumentation Laboratory. CO 2: Acquire a critical knowledge of various Electrical Instruments used in the Laboratory. CO 3: Demonstrate skills of using instruments like CRO, Function Generator, Multimeter etc. through hands on experience. CO 4: Understand the Principle and operation of different display devices used in the display systems and different transducers CO 5: Comprehend the applications of various biomedical instruments in daily life like B.P meter, ECG, Pulse oxymeter etc. and to know the handling procedures with safety and security.
	III	**VI**	Semester Internship		

Department of Chemistry
Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Chemistry	**III**	**V**	**VI**	Analytical Methods in Chemistry-1	Students after successful completion of the course will be able to: CO 1: Identify the importance of solvent extraction and ion exchange method. CO 2: Acquire knowledge on the basic principles of volumetric analysis and gravimetric analysis. CO 3: Demonstrate the usage of common laboratory apparatus used in quantitative analysis. CO 4: Understand the theories of different types of titrations. CO 5: Gain knowledge on different types of errors and their minimization methods
			VII	Analytical Methods in Chemistry-2	Students after successful completion of the course will be able to: CO 1: Identify the importance of chromatography in the separation and identification of compounds in a mixture CO 2: Acquire a critical knowledge on various chromatographic techniques. CO 3: Demonstrate skills related to analysis of water using different techniques. CO 4: Understand the principles of spectro chemistry in the determination of metal ions. CO 5: Comprehend the applications of atomic spectroscopy.
		VI	Semester Internship		

Department of Botany

Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Botany	**III**	**V**	**V**	Vegetable Crops – Cultivation Practices	Studentsat thesuccessful completionof the coursewill beable to: CO1: Identifydifferent vegetableplants and realizetheirvalue inhuman nutrition. CO2: Analyzethetypes ofsoilsto cultivatevegetable crops. CO3: Demonstrateskillsonagronomicpracticesforcultivationofvegetablecrops. CO4: Acquireknowledgeon water,weedanddiseasemanagementinvegetable farming. CO5: Comprehendaspectsrelatedtoharvestingandstorageof produce.
			VI	Vegetable Crops – Post Harvest Practices	Studentsat thesuccessful completionof the coursewill beable to: CO1: Understandvariouspracticesforvegetableproducefromharvestingtomarketing. CO2: Demonstrateskillsonstorage,processingandpreservationofvegetables. CO3: Summarizecausesforspoilageofvegetables beforeandduringstorageandmethodstoprevent and control them. CO4: Makeuseofpreservationmethodstoreducethe lossofvegetableproduce. CO5: Explainabout valueadded products, packagingand marketingof vegetables.
		VI	Semester Internship		

Department of Zoology
Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Zoology	**III**	**V**	**V**	Sustainable Aquaculture Management	At the end of the course students will be able to CO 1: Evaluate the present status of aquaculture at the Global level and National level CO 2: Classify different types of ponds used in aquaculture CO 3: Demonstrate induced breeding of carps CO 4:Acquire critical knowledge on commercial importance of shrimps CO 5: Identify fin and shell fish diseases
			VI	Post Harvest Technology of Fish and Fisheries	At the end of the course students will be able to CO 1-Identify the types of preservation methods employed in aquaculture CO 2: Choose the suitable Processing methods in aquaculture CO 3: Learn about sanitation of sea foods CO 4: Maintain the standard quality control protocols laid down in aqua industry CO 5: Identify the best Seafood quality assurance system
		VI	Semester Internship		

Department of Nutrition and Dietetics

Course Outcomes 2022-23

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	**Food Quality and**	At the end of the course,the student will be able to;

			B	**Safety**	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- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Bio-Chemitsry	**III**	**V**	VI	Genetic engineering	At the end of the course students will be able to CO 1: The techniques employed in genetic engineering have led to the production of medically important products, including human insulin, human growth hormone, and hepatitis B vaccine, as well as to the development of genetically modified organisms such as disease-resistant plants. CO 2:able to learn how to modify the genes to enhance the capabilities of the organism beyond what is normal. CO 3: Able to learn increased food production, improved medical treatments, and the production of vaccines and drugs. CO4:Students will understand the basics of gene cloning, role of enzymes and vectors for genetic engineering, Gene transfer methods, Techniques and safety measures of genetic engineering, genome mapping and gene therapy, Nanoparticle types and their applications. CO5:Students will get the knowledge and awareness of the basic principles and concepts Of biology ,computer science and mathematics.
		V	VII	Advances in biochemistry	At the end of the course students will be able to CO1:Students will acquire a sound background of latest methods used in biochemistry for purification of enzymes, isolation and characterization of proteins, nucleic acids, etc. CO2:Students will also develop

					practical skills related to applications of microscopy, labeling DNA, proteins and whole cells and their applications in biochemistry research. CO3:Students will know the protein purification and analysis methods CO4:They will acquire hands-on-training with the latest techniques in Biochemistry such as 2D protein gel electrophoresis, WesternBlotting, Southern hybridization. CO5:Students will acquire knowledge on plant tissue culture,cell culture and stem cell culture.

Department of Microbiology

Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Microbiology	**III**	**V**	**V**	**Food, agriculture and environmental microbiology**	At the end of the course students will be able to: CO 1: Acquire knowledge on spoilage organisms,spoilage conditions and types of food poisoning CO 2:Methods of food preservation. CO 3: Role of microorganisms in plant growth. CO 4: Gain knowledge about production of biofertilizers. CO 5:Understand the concept of solid waste management.
			VI	**Internship**	

Department of Computer Science (B.Com Cs)

Course outcomes- 2022-23

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	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.
		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	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.
		VI	Semester Internship		

Department of Computer Science (B.ScComp.Sc)

Course outcomes- 2022-23

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, LinkedList, 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	CO 1: Students will become proficient in the statistical analysis of data and the use of computation tools for data analysis. CO 2: Students will apply statistical and computational tools to applied problems, and clearly communicate the results in both written reports and oral presentations. CO 3:Students will understand the importance of proper data management, documentation of work to allow reproducibility of results, and how to assess the ethical considerations of a data science project
			Paper VII	Python for Data scienc**e**	CO 1:Translate fundamental programming concepts such

					as loops, conditionals, etc into Python code. CO 2: Understand the key data structures in Python CO 3:Understand how to write functions in Python and assess if they are correct via unit testing CO 4:Use NumPy perform common data wrangling and computational tasks in Python. Co 5:Use Pandas to create and manipulate data structures like Series and DataFrames.
		VI	Semester Internship		

Department of Computer Science (BBA)

Course outcomes- 2022-23

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, better representation 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 dynamic website.. 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 Web applications with visual elements. And also student get an idea on PHP which is used as server 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 Internet using 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 the practical 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 based solutions. 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 CO1:Tally provides simple-to-use accounting features that enables to record businesstransactions easily and quickly. CO2: 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- 2022-23

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		**Fundametals 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.
				Web Designing	At the end of the course students will be able to: CO1: Create an Information Architecture document

		I			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.
	I			**Reporting and Editing for Print**	At the end of the course students will be able to 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
		II		**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
		III		**Elements of Film**	At the end of the course students will be able to

	II				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.
	II	**III**		**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 practices in the field. CO2: Exhibit a thoughtful application of the elements and principles of visual design, color 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.
		IV		**Introduction to Film Production**	At the end of the course students will be able to CO1: Demonstrate basic principles and competencies required to produce content for film. 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- 2022-23

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
		II		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 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	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
				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 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.
		III		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
				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.

		IV		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 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.
				DBMS	At the end of the course students will be able to

					CO 1: Understand the basic concepts of database management systems (L2) CO 2: Apply SQL to find solutions to a broad range of queries (L3). CO 3: Apply normalization techniques to improve database design (L3) CO 4: Analyze a given database application scenario to use ER model for conceptual design of the database
		V		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 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.
				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 Brush 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.
				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
				Salesforce CRM	At the end of the course students will be able to

					CO 1: Effective CRM implementation can drive business CO 2:Higher rates of customer acquisition. Improved forecasting.
		VI		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- 2018-19

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 preventive methods CO 5:learn Cestode parasites

Department of Social Sciences

History Course outcomes- 2022-2023

Subject	Year	Semester	Course	Title of the course	Course outcomes
	III	**V**	**6B**	**TOURISM AND HOSPITALITY SERVICES**	At the end of the course students will be able to CO1: Gain knowledge of the structure, trends, and key players in the tourism and hospitality sectors. CO2: Enhance communication abilities both verbally and in writing, crucial for interacting with guests, colleagues, and stakeholders. CO3 : Learn principles of hospitality management including operations, service standards, and quality assurance. CO4 Understand the logistics and management of tourism operations such as tour planning, transportation, and accommodation. . CO5 : Learn how to work effectively in teams and develop leadership qualities essential for supervisory and management roles.

			7B	**TOURISM GUIDANCE AND OPERATING SKILLS**	At the end of the course students will be able to CO1: Understand the structure, trends, and key players in the tourism industry, including various sectors CO2: Learn effective customer service techniques specific to the tourism industry, including communication skills, problem-solving. CO3:Acquire skills in conducting tours, including planning and organizing itineraries, providing commentary and information, managing group dynamics, and ensuring customer satisfaction. CO4 : Develop cultural awareness and sensitivity to ensure respectful interactions with tourists from diverse backgrounds and local communities. CO5 : Gain knowledge about sustainable tourism practices and principles to minimize environmental impact and promote responsible tourism.

Department of Social Sciences

Economics Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Economics	**III**	**V**	**Paper VI(6C)**	INSURANCE SURVICES	At the end of the course students will be able to: CO1. Understand the concept and principles of insurance service and functioning of insurance service agencies. CO 2. Identify and analyse the opportunities related insurance services in local rural area. CO3. Apply the concepts and principles of insurance to build a career in Insurance services. CO4. Demonstrate practical skills to enable them to start insurance service agency or earn wage employment in it.
			Paper VII(7C)	Banking and Financial Services	At the end of the course students will be able to; CO1. Understand the concept and essentials banking and financial services. CO 2. Identify and analyse the employment opportunities related to banks and other financial institutions. CO3. Apply the concepts to banking and financial opportunities and formulate ideas related to them. CO4. Demonstrate practical skills to enable them to get employment in Banks and other financial institutions as business correspondents or Common Service Centers or marketing agents

Department of Social Sciences

Political Science Course outcomes- 2022-2023

Subject	Year	Semester	Course	Title of the course	Course outcomes
Political Science	**III**	**V**	**VI(6C)**	**OFFICEMANAGEMENT**	At the end of the course students will be able to:CO1: To study the office structure and basic principles, elements, functions of office management and understand its importance. CO2: To gain knowledge about office organization and its characteristics. CO3: To learn about office planning, accommodation, layout. CO4: To study about office record management, filing system and modern filing methods using information technology, records retention and micro filing.
			VII(7C)	**PERSONNEL ADMNISTRATION**	CO1: To understand the concept of personnel administration, its scope and significance. CO2: To learn about the hierarchy in personnel administration and the roles and responsibilities of the personal administrative officers. CO3: To study the characteristics of bureaucracy, its importance and the role of bureaucracy in modern state. CO4: To familiarize the students with various recruitment processes with regard to all India, central and state services like UPSC and state PSCs. To know the rights of the civil servants.

Department of Social Sciences

Psychology Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Psychology	**III**	**V**	**VI**		
			Paper VII	**Educational psychology-applications and skills**	CO1 : Identifying the mental health factors influencing learning process. CO2 : Understanding the impact of various skills on students' learning. CO3 : Appreciation for various behavior modification methods to facilitate learning. CO4 : Comprehend and analyses situations in real life appropriately and enable others to exercise in the same way. CO5 : Appreciate and apply various theories of learning in the practical world.
		VI	Semester Internship		

Department of Social Sciences

Social work Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Social work	**II**	**III**	**III**	**Social work with women and children**	CO1: Gain knowledge on demographic aspect of women. CO2: To develop an understanding of gender and sex. CO3 : Know various types of problems faced by women. CO4: Understand the concept and scope of child welfare, appreciate the changing perspectives on child welfare management. CO5 :Understand the various constitutional provisions and laws

					related to
	III	**V**	**V1A**	**Counselling skills in social work**	CO1: Understanding how social work practice is conducted with people with disabilities. CO2 :Awareness on disability. CO3: Develop the ability to observe and analyze social realities among differently-abled. CO4 :to understand and promote opportunities to differently abled. 5. To provide education and train differently abled in social work.
			VIB	**Social work practice with differently_- abled persons**	CO1: Understanding how social work practice is conducted with people with disabilities. CO2 :Awareness on disability. CO3: Develop the ability to observe and analyze social realities among differently-abled. CO4: to understand and promote opportunities to differently abled. 5. To provide education and train differently abled in social work.

Department of Management Studies

Course outcomes- 2022-2023

Subject	Year	Semester	Course	Title of the course	Course outcomes
BBA	**I**	**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.
	II	**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 Managementt	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: 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, 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
	III	**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	Leadership	At the end of the course students will be able to: CO1: To understand the role of leadership in public and privet sectors. CO2: To demonstrate proficient use of written and oral communication skills CO3: To analyze different situations an actions and to create self-awareness and improve leadership practices

			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 Agriculture B.Sc&R.D.

Course outcomes- 2022-23

Subject	Year	Semester	Course	Title of the course	Course outcomes
Agriculture	**I**	**I**	Paper I	Fundamentals of Agronomy	At the end of the course, the student will be able to: CO1: Explain the history and development of agriculture in India. CO2: Explain crop production techniques and crop growth in relation to the environment. CO3: Outline the principles and practices of weed management. CO4: Discuss the classification, nomenclature, mode of action and selectivity of herbicides. CO5: Compare the traditional and technology-supported practices in agriculture
			Paper II	Fundamentals of Plant Biochemistry and Soil Science	On successful completion of this course, the students will be able to: CO1: To discuss about the classifications and functions of carbohydrates. CO2: To discuss Tricarboxylic Acid (TCA) cycle CO3: Classify rocks, minerals and soils and explain various aspects of soil. CO4: Discuss about the soil profile, structure, density and its properties. CO5: Discuss on soil colloids and its general properties in detail.
			Paper III	Fundamentals of Agriculture Economics	At the end of the course students will be able to CO1: Apply concepts and terms of economics to the agricultural sector.

					CO2: Explain characteristics of wealth, welfare, needs and surplus and laws of marginal utility. CO3: Outline different aspects of demand and supply, essentials of market, pricing and competition. CO4: Summarize the concepts of national income, classification and cannons of taxation, features of public and private finance, sources of public revenue and public expenditure, concepts of inflation, types, causes and control of inflation.
			Paper IV	Fundamentals of Horticulture	On successful completion of this course, the students will be able to; CO1: Define, classify and outline the climate and soil conditions for horticultural crops. CO2: Explain principles and methods of plant propagation, training and pruning. CO3: Summarize principles and steps in establishment of various orchards and types and purposes of gardens. CO4: Discuss unfruitfulness, pollination and fertilization. CO5: List medicinal and aromatic plants, spices and condiments and explain the role of plant bio regulators, irrigation and fertilizers in horticulture crops.
			Paper V	Rural Sociology ,Educational Psychology and Human values	On successful completion of this course, the students will be able to: CO1: Describe the importance of rural sociology in Agricultural extension CO2: Explain different concepts in rural sociology like social stratitification, culture, institutions, social change and social ecology CO3: Explain the concept of rural development in India CO4: Apply various theories of motivation. Intelligence, process of teaching and learning with

					special reference to extension teaching.
		II	Paper I	Introductory Agrometeoroloy and Climate Change	At the end of the course, students will be able to CO1: Explain the earth's atmosphere and weather variables. CO2: Outline types of precipitation CO3: Summarize artificial rain making, monsoon mechanism and weather hazards. CO4: Relate weather conditions to agriculture. CO5: Discuss weather forecasting and impact of climate change on agriculture.
			Paper II	Fundamentals of Genetics	On successful completion of this course, the students will be able to: CO1: Discuss details of cell cycle, heredity and laws of inheritance in genetics CO2: Outline the concepts of karyotype, sex linkage and mutations and central dogma of genetic material and genetic code. CO3: Explain historical development, concepts, nature and role of plant breeding and modes of reproduction and the different plant breeding methods. CO4: Summarize the development of resistance and tolerance mechanisms.
			Paper III	Fundamentals of Entomology -I	On successful completion of this course, the students will be able to: CO1: Explain the earth's atmosphere and weather variables. CO2: Outline types of precipitation CO3: Summarize artificial rain making, monsoon mechanism and weather hazards. CO4: Relate weather conditions to agriculture. CO5: Discuss weather forecasting and impact of climate change on agriculture.

			Paper IV	Soil and Water conservation engineering	At the end of the course, students will be able to CO1: Explain the earth's atmosphere and weather variables. CO2: Outline types of precipitation CO3: Summarize artificial rain making, monsoon mechanism and weather hazards. CO4: Relate weather conditions to agriculture. CO5: Discuss weather forecasting and impact of climate change on agriculture.
			Paper V	Fundamentals of plant pathology – I	At the end of the course, students will be able to CO1: Explain the scope and concepts of plant pathology. CO2: Compare morphological and anatomical characters of fungi CO3: Outline the rules of nomenclature and classification of fungi. CO4: Identify viruses and classify plant parasites. CO5: Explain different plant nematodes and characters
	II	**III**	Paper 1	Crop production Technology-I	On successful completion of this course, the students will be able to: CO1: Explain importance and special features of cereal crops in Andhra Pradesh. CO2: Outline the agronomic conditions for the cultivation of agricultural cereal crops. CO3: Summarize agronomic conditions to grow millet crops. CO4: Discuss the agronomic conditions and characteristics of various agricultural field crops. necessary for the cultivation of pulses and lentils.
			Paper II	Fundamentals of Plant Breeding	On successful completion of this course, the students will be able to: CO1: Discuss details of cell cycle, heredity and laws of inheritance in genetics CO2: Outline the concepts of karyotype, sex linkage

					and mutations and central dogma of genetic material and genetic code. CO3: Explain historical development, concepts, nature and role of plant breeding and modes of reproduction and the different plant breeding methods. CO4: Summarize the development of resistance and tolerance mechanisms.
			Paper III	Fundamentals of Entomology -II	On successful completion of this course, the students will be able to: CO1: Explain biotic and abiotic factors affecting insect ecology CO2: Outline the methods of integrated pest management, surveillance and forecasting and principles of host-plant resistance. CO3: Summarize pest management tools and different methods of pest control and formulations of insecticides and application techniques.
			Paper IV	Fundamentals of Plant pathology II	On successful completion of this course, the students will be able to: CO1: Explain the history, concepts, patterns of survival and dispersal of plant pathogens. CO2: Outline the phenomenon of infections and pathogenesis. CO3: Summarize the principles of plant disease management and different defence mechanisms. CO4: Explain methods of eradication for phytopathogens
			Paper V	Farm Machinery and Power	On successful completion of this course, the students will be able to: CO1: Explain the working principles of different farm engines. CO2: Outline the ignition and power transmission

					system of I.C engines. CO3: Summarize ploughing, sowing, plant protection, harvesting and threshing equipment and seed cum fertilizer drills. CO4: Explain dusters and tractor mounted equipments.
			Paper VI	Production Technology for vegetables and spices	On successful completion of this course, the students will be able to: CO1: Classify and explain the importance of vegetables in human nutrition and national economy. CO2: Outline the agronomical practices for vegetables. CO3: Summarize physiological disorders of vegetables. CO4: Explain disease and pest control and in vegetables and seed production techniques. CO5: Classify and explain the importance of spices in human nutrition and national Economy and Outline the agronomical practices for spices.
			Paper VII	Agriculture finance and cooperation	On successful completion of this course, the students will be able to: CO1: Explain the concepts of agricultural finance, principles of credit and credit analysis. CO2: Outline social control and nationalization, lead bank schemes and crop loan systems. CO3: Outline the meaning and scope of financial inclusion and schemes and agencies for financing. CO4: Summarize the role of various international bodies and features of crop insurance and agricultural projects and functions and role of cooperatives in the agricultural sector.
			Paper VIII	Fundamentals of Agriculture	On successful completion of this course, the students

				Extension	will be able to: CO1: Explain the importance of Extension education in Agriculture sector. CO2: Organise different agricultural extension methods with reference to group contact methods CO3: Solving the problems of villages by applying participatory rural appraisal (PRA) techniques. CO4: Organise different agricultural extension methods with reference to mass contact methods
			Paper IX	Economics for Rural develooment	On successful completion of this course, the students will be able to: CO1: Explain the nature, scope and development of rural economics. CO2: Outline the features of rural resources management in India. CO3: Explain the different aspects of rural demography. CO4: Outline the nature and structure of rural occupations and the concept of work participation rates and unemployment.
			Paper X	Eco-physiology	On successful completion of this course, the students will be able to: CO1: Explain concepts and components of ecophysiology and its influence on crop distribution. CO2: Outline the impact of different environments on biotic and abiotic components. CO3: Distinguish between iconic and osmotic balance and types of competition in agriculture cropping. CO4: Explain the scope of allelopathy and phyto-remediation in agriculture CO5: Summarize the sources, effects of pollution,

					global warming on agricultural field crop productivity.
		IV	Paper I	Crop production technology -II	On successful completion of this course, the students will be able to: CO:1 -Explains various crop production techniques from sowing to harvest for various oilseed crops. CO:2 -Explains various crop production techniques from sowing to harvest for various Sugar crops. CO:3 -Explains various crop production techniques from sowing to harvest for fibre crops. CO:4- Explains various crop production techniques from sowing to harvest for commercial crops.
			Paper II	Irrigation water management, farming systems and sustainable agriculture	On successful completion of this course, the students will be able to: CO:1- Differentiate Net and Gross Irrigation requirements and sub divide indirect methods of soil moisture estimation. CO:2- Judge different approaches of scheduling irrigation and different methods of irrigation. CO:3- Explain various micro irrigation methods and quality of water. CO:4- To study about different farming systems and resource use efficiency.
			Paper III	Agriculture marketing,Trade,Prices	On successful completion of this course, the students will be able to: CO:1- To Study the concept of Agricultural Marketing. CO:2- Explain various Market Functionaries, Pricing and promotion strategies.

					CO:3- To study about Market integration, Marketing Costs, Margins and Risk in Marketing. CO:4- Explain about Trends, present status and prospects of Indian Agri- commodities trade in international trade.
			Paper IV	Manures, Fertilizers and soil Fertility management	On successful completion of this course, the students will be able to: CO:1- Define and list out macro and micronutrient. CO:2- Differentiate and Classify Manures and Fertilizers and different composting methods. CO:3- Explain characteristics and manufacturing process of nitrogenous, phosphatic and potassic fertilizers. CO:4- Differentiate and classify complex, mixed and bio-fertilizers.
			Paper V	Production technology for ornamental crops, Medicinal and Aromatic plants and Lanscaping	On successful completion of this course, the students will be able to: CO:1- Describe various principles of landscaping and Ornamental gardening. CO:2- Explain different cultivation practices in Rose, Gerbera and Carnation. CO-3- Explain different cultivation practices in Lilium, Tuberose and Chrysanthemum. CO-4- Explain the production technology and importance of medicinal plants.
			Paper VI	Entrepreneurship Development and Business Communication.	On successful completion of this course, the students will be able to: CO:1- Describe the concepts of entrepreneur, entrepreneurship, agricultural entrepreneurship, characteristics of entrepreneur, achievement motivation & entrepreneurship, business management skills.

					CO:2- Gain knowledge and skills in project formulation, project report preparation and evaluation of projects. CO:3- Explain Entrepreneurship Development programmes, Government policies, schemes and incentives for promotion of entrepreneurship, supply chain management and total quality management. CO:4- Develop business communication skills- reading, writing, listening and presentation skills.
			Paper VII	Renewable energy and Green Technology	On successful completion of this course, the students will be able to: CO:1- Introduction to energy sources. CO-2- Explain different types of biogas plants, gasifiers, solar water and air heaters, solar cookers and solar dryers. CO:3- Explain different parts and types of windmills. CO:4- Explain biodiesel and ethanol production.
			Paper VIII	Livestock and Poultry Management	On successful completion of this course, the students will be able to: CO:1- Students will be able to gain knowledge on dairy farming, poultry, sheep and goat farming, swine production. CO:2- Knowledge on different types of breeds which are suitable to our local climate area. How to run profitable dairy, poultry, sheep, goat farming. CO:3- Clear idea about economics of livestock production and management.
			Paper IX	Statistical Methods	On successful completion of this course, the students will be able to:

					CO:1- Explains the importance of concept of variability, measures spread or dispersion, understands and identity its cause to provide a basis for action, describes importance of normal distribution in statistics. CO:2- Interprets meaning of correlation co-efficient in context, identification of two variables technology to find 'r'. CO:3- Judges appropriate chi-square test for independence and goodness of fit. CO:4- Analyzes the results of designed experiment in order to conduct the appropriate statistical analysis of data.
			Paper X	Rural development and planning	On successful completion of this course, the students will be able to: CO:1- To study the Types of Planning Process. CO:2- Explain about Decentralization of planning. CO:3- To study about village and District level planning strategies
	III	**V**	Paper I	Geo informatics and Nanotechnology for Precision Farming and Practical Crop production	On successful completion of this course, the students will be able to: CO:1- Explains the concepts of geo-informatics in precision agriculture. CO:2- Illustrates GIS data modeling and graphic representation of spatial data. CO:3- Analyses Remote sensing and Global positioning system (GPS), concepts and application in Agriculture. CO:4- Classify nano- particles and their applications in agriculture.
			Paper II	Environmental Studies and Disaster Management	On successful completion of this course, the students will be able to: CO:1- To study Natural resources, food resources, and

					water resources. CO:2- To study Energy resources, Land resources and Biodiversity. CO:3- Explain about various Environmental pollution. CO:4- To study about Solid waste management and Disaster management.
			Paper III	Principles of Food Science and Nutrition.	On successful completion of this course, the students will be able to: CO:1- Explain about concepts of food science, Carbohydrates, proteins, Fats and oils, vitamins. CO:2- To study about natural emulsifiers, organic acids, oxidants, Enzymes. CO:3- Explain about yeast, algae and protozoa and virus and production of fermented foods. CO:4- Explain about preservation by irradiation, fermentation, drying, dehydration and concentration. CO:5- To study about Nutritional disorders and energy metabolism.
			Paper IV	Crop Improvement – I *(Cereals, Millets, Pulses and Oilseeds)* and Intellectual Property Rights	On successful completion of this course, the students will be able to: CO:1- General Breeding objectives and concepts of breeding. CO:2- Breeding objectives and major breeding procedures for crops millets and pulses CO:3- Hybrid Variety Development and seed production for Pulses and oilseeds. CO:4- Distribution of spices, wild relatives and forms and major breeding procedures for oilseeds.
			Paper V	Problematic Soils and their Management	On successful completion of this course, the students will be able to: CO:1- Explain about different types of problematic

					soils and their distribution in Agro- ecosystem and in A.P CO:2- To study about distribution of salt affected soils, saline soils, and sonic soils. CO:3- Explain about land degradation and polluted soils CO:4- Remote sensing and GIS techniques in diagnosis, mapping and management of problematic soils
			Paper VI	Protected Cultivation and Post-harvest technologies	On successful completion of this course, the students will be able to: CO:1- To study about green houses, it's types and plants response to greenhouse environments CO:2- Planning and materials and construction of green houses CO:3- Irrigation systems in greenhouses CO:4- Post harvest equipment and moisture measurement
			Paper VII	Pests of Field crops and Stored Grain and their management	On successful completion of this course, the students will be able to: CO:1- Explain about nature and type of damage by different arthropod pests. CO:2- explain identification marks, nature of damage, pests of cereal crops. CO:3- Explain identification marks, nature of damage, pests of oilseed and fiber crops. CO:4- Explain identification marks, nature of damage, damaging symptoms of stored grain pest.
			Paper VIII	Diseases of Field and Horticultural Crops and their Management-I	On successful completion of this course, the students will be able to: CO:1- Identify different diseases ofcereal crops and gain knowledge about their management.

					CO:2- Identify different diseases of sugarcane, Cotton, Tobacco, Castor, Groundnut and gain knowledge about their management. CO:3- Identify different diseases of oil seeds and gain knowledge about their management. CO:4- Identify different diseases pulse crops and gain knowledge about their management.
			Paper IX	Principles of Integrated Pest and Disease Management	On successful completion of this course, the students will be able to: CO:1- Explain introduction strategies and concepts of IPM with examples. CO:2- Explain host plant resistance and different cultural and mechanical control of IPM CO:3- Explain other tools and limitations of IPM CO:4- Explain different methods of disease forecasting and implementation of different IDM modules.
			Paper X	Rural Industrialization and Entrepreneurship	On successful completion of this course, the students will be able to: CO:1- To study about growth of rural Industries in India. CO:2- Explain current status, Measures to Sustain growth of rural Industries. CO:3- Role of Commercial banks, Co-Operatives, Gramina banks and NABARD. CO:4- To study about Rural Industry Labour Problems.
		VI	Paper I	Rain fed Agriculture, Water shed management and Principles of Organic farming.	On successful completion of this course, the students will be able to: CO:1- Describe water shed concept and classify drought. CO:2- Explain the problems of crop production in drylands. CO:3- Explain the fertilizer use in dryland agriculture

					and crop planning. CO:4: Explain water harvesting techniques and watershed management CO:5: classify alternate land use system.
			Paper II	Agriculture Informatics	On successful completion of this course, the students will be able to: CO1: Explain Windows explorer- Creating folder - Copy and paste functions - Control panel Notepad -WordPad etc. CO2: Summarize MS word - Creating a document, saving and editing CO3: Discuss Use of options from tool bars – Format - Insert and tools (Spelling and Grammar) - Alignment of paragraphs and text. CO4: Explain to Creating a table - Merging of cells - columns and row width - Formats etc.
			Paper III	Crop Improvement II *(Fibre, sugar, starches, Narcotics, vegetables, fruits and flowers)*& Principles of seed technology	On successful completion of this course, the students will be able to: CO:1- concepts of breeding self-pollinated and cross-pollinated crops. CO:2- Hybrid seed production for solanacious crops CO:3: Major breeding procedures for different vegetable crops CO:4 Study of Geo spatial technology.:
			Paper IV	Pest of Horticultural crops and their management and beneficial insects	On successful completion of this course, the students will be able to: CO:1-. To study the major pests of vegetable crops & Management CO:2- To study the major pests of fruit crops & Management CO:3: To study the major pests of spices & Management

					CO:4 To study the major pests of plantation crops & Management CO:5- sericulture and Apiculture
			Paper V	Diseases of field and Horticulture crops and their management-II	On successful completion of this course, the students will be able to: CO:1-. Identify different diseases of cereal crops and gain knowledge about their management CO:2-. Identify different diseases of sugarcane, Cotton, Tobacco, Castor, Groundnut and gain knowledge about their management CO:3-. Identify different diseases of oil seeds and gain knowledge about their management CO:4-. Identify different diseases pulse crops and gain knowledge about their management CO:5-. Identify different diseases of fruit crops and gain knowledge about their management
			Paper VI	Post-harvest management and value addition of fruits and vegetables	On successful completion of this course, the students will be able to: CO:1 Define food processing and preservation, Classify foods for processing and preservation List out methods of food preservation CO:2 Explain processing methods of cereals, millets and legumes CO:3 Explain processing methods of fruits and vegetables and oilseeds CO:4 Explain processing methods of spices and plantation crops
			Paper VII	Farm management, production and resource economics	On successful completion of this course, the students will be able to: CO:1-concept of farm management, importance and law of variable proportion.

					CO:2- factor-factor relationship, Product –Product relationship. CO:3-Types of enterprises and their characteristics. CO:4- farm planning and budgeting.
			Paper VIII	Agriculture Microbiology	On successful completion of this course, the students will be able to: CO:1 Describe various contributions of eminent scientists in microbial world. CO:2 Explain morphological types of bacteria, bacteria cell structure microbial nutrition, metabolic pathways & growth cycle of bacteria. CO:3 Explain bacterial genetics, role of microbes in fertility of soils and plant growth, cycle of major elements Co2, N2. CO:4 Differentiate types of fermentation and identify PGPR organisms and biological nitrogen fixation. CO:5 Prepare Bio fertilizers, bio pesticides, silage, biofuel, biogas, bio manures and their production technologies.
			Paper IX	Fundamentals of Plant Biotechnology	On successful completion of this course, the students will be able to: CO1: To discuss about the classifications and functions of carbohydrates. CO2: To know about the nucleic acids and types of nucleocides DNA nd RNA. CO3: To know about the applications of plant tissue culture and its applications. CO4: To discuss Tricarboxylic Acid (TCA) cycle

Department of Commerce

Course outcomes- 2022-2023

Subject	Year	Semester	Course	Title of the course	Course Outcomes
Commerce	**I**	**I**	**B.COM(GEN&COMP)**	**Fundamentals of 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) CO6. Understanding of management principles (planning, organizing, leading)
				Business organization and management	CO1. Knowledge of management functions (planning, organising, leading, controlling) CO2. Familiarity with organisationalbehaviour (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)
				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(GEN&COMP)**	**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. CO5: Gain an awareness of the global business environment and its impact on local commerce
				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 and cost theory CO5. Knowledge of pricing strategies and revenue management

				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 CO6- To grasp the conduct of monetary policy and its effect on the interest rate, credit availability, prices, and the inflation rate
		III	**B.COM(GEN&COMP**	**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 CO5. Understanding of accounting for specialized transactions (e.g., leases, derivatives)
				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. CO5. Communication skills: Students will learn to present statistical findings effectively.
			only for generals	**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(GEN&COMP)**	Corporate accounting	CO1: Understand the Accounting treatment of Share Capital and aware of process of book building, Demonstrate the procedure for issue of bonus shares and buyback of shares. CO2: Comprehend the important provisions of Companies Act, 2013 and prepare final accounts of a company with Adjustments. CO3: Participate in the preparation of consolidated accounts for a corporate group Understand analysis of complex issues, formulation of well-reasoned arguments and reaching better conclusions and Communicate accounting policy choices with reference to relevant laws and accounting standards.
				Cost and management	CO1: Understand various costing methods and

				accounting	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.
				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.
				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.
				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
				Goods and service tax (GST)	CO1Knowledge of GST laws and regulations CO2. Ability to apply GST principles to business transactions CO3. Familiarity with GST registration and compliance requirements CO4. Understanding of GST invoicing and accounting requirements CO5. Ability to manage GST payments and refunds
		V	**B.COM(GEN&COMP)**	**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.

				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.
				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.
				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)
			Only for generals	**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.
			Only for generals	**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		**INTERNSHIPS**	