

[illegible]

CO3	The students will be able to understand about the new genre evolved in English literature that is gothic fiction	H	H		H											
CO4	The students will be able to understand the style of writing in Romantic era and more focus will be made on women novelists of that era.	H	H	L												
2T1 (Core)	Couse Name- Restoration and 18th Century English Literature															
CO1	The students will be able to understand the writings of the Restoration period	H	H		M											
CO2	The students will be able to understand the characteristics of mock-epic with focus on Pope's Rape of the Lock	H	H	H				M								
CO3	The students will be able to understand the reasons for the rise of the periodic essays and pamphlets	H	H	H												
CO4	The students will be able to understand the transition from reason to emotion beginning of romantic revival in English literature	H	H	M												
2T2 (Core)	Couse Name- Modern English Drama															
CO1	The students will be able to understand the concept of problem play with reference to the plays of G.B. Shaw	H	H	H	M			H								
CO2	The students will be able to understand different movements like Angry Young Man in Modern English Drama	H	H	H	M											
CO3	The students will be able to understand the new genre of poetic drama by giving the reference of T.S. Eliot's plays.	H	H	H	L			M								
CO4	The students will be able to understand the absurdity in modern english drama	H	H	M	L											
2T3 (A)	Course Name- Indian Writing in English-II															
CO1	The students will be able to understand the poetry of post independent India	H	H		H											
CO2	The students will be able to understand that feminine sensibility which has emerged as one of the most significant themes treated by the post independence Indian English novelists	H	H	H						H						

CO3	The students will be able to know the recently acclaimed writers and humanitarian aspect in their writings	H	H	H						H						
CO4	The students will be able to understand contemporary Indian drama	H	H	H				H								
2T4 (A)	Course Name - The English Novel-II															
CO1	The students will be able to understand the positive change in the status of women as compared to the earlier times, as reflected in the themes of the novels that women have written	H	H	M	H											
CO2	The students will be able to understand the difference in the themes and techniques of Victorian and modern novels from earlier novels	H	H													
CO3	The students will be able to understand the establishment of literary groups in modern England	H	H	M				H								
CO4	The students will be able to understand the social problem of England during the Victorian and modern age that are found in the novel of those times.	H	H	H												
3T1 (Core)	Course Work- Romantic and Victorian Poetry															
CO1	The students will be able to establish relationship between humanity and nature, literature and social life	H	H	M												
CO2	The students will develop an understanding of poetic genius through identification of different forms of poetry	H	H		H											
CO3	The students will be able to analyse the underlying meaning of romantic poetry by relating it to real life	H	H	L			M									
CO4	The students will be able to trace rationality and reason in Victorian poetry.	H	H													
3T2 (Core)	Course Name- Literary Criticism and Theory-I															
CO1	The students will be able to understand the concept of tragedy and the structure of play propounded by the great thinkers	H	H		H				H							
CO2	The students will be able to understand the ideas of critical theories established by the Romantics .	H	H						H							

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CO2	The students will understand the impact of western cultural imperialism brought on by globalization	H	H	H		H										
CO3	The students will understand the post-colonial migration and the growth of migrant communities	H	H	H				L								
CO4	The students will be able to understand the concept of Nativism	H	H	M					M							

Name of Program: M.com																				
Number of courses(Subjects) - 19																				
Targeted Graduate Attributes - Disciplinary Knowledge, Critical Thinking, Problem Solving, Analytical Reasoning, Teamwork, Moral and Ethical Awareness																				
	Program Outcomes																			
PO1	M. com degree is one of the most sought after carrier oriented professional program at the master level.																			
PO2	On successful complition of a master degree student will gain basic knowledge about all subject in M.com .																			
PO3	Students would be able to demonstrate the ability to identify a business problems after M.com degree.																			
PO4	The main objective of thisn programme is to train the student to develop concdptual, applied and skills of financial statement																			
PO5	Prepare the students to apply statistical method nand proficient use of tool for modeling amd analysis of business data.																			
PO6	Students would be able to handling business problems with the conceptual requirement ,interpretation and skills of financial management																			
PO7	Facilitate the student to apply capital budgeting techniques for invesment decisions.																			
PO8	To Develop students knowledge about the law and regulations and role of commercial govt. and centralbanks in controlling money.																			
PO9	Clear the concept of students about risk management in financial sector.																			
PO10	Making a solution by strictly following all the ethic and rules of cyber law and intellectual property right.																			
PO11	Blend analytical, logical and managerial skill with the technical aspects to resolve real world issues.																			
PO12	Provides guidance to students knowledge of career opportunities in corporate field.																			
Program Matrix																				
Name of Program M.com																				
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																				
Course Outcomes (COs)						Program Outcomes (POs)														
						Domain Specific(PSO)			Domain Independent (PO)											
C-11	Advanced Financial Accounting					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	The student will be able to understand the accounting standard backgroup and valuaton of share method which is used by Company.					H					M					H				

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CO1	Student will be able to know the Cooperative Movement in India: Origin, Development & Progress. Role of Cooperative Movement in Social Economic Development	H					H					H				
CO2	Students will be able to know the Cooperative Credit Institution in India	L					M					M				
CO3	Students will be able to understand the Cooperative Agricultural Production & Marketing in India.	M					H					H				
CO4	Students will know the Challenges & Opportunities before Cooperatives under Globalization	H					H					H				
C-24	Human Resource Management															
CO1	students will know the Nature Concept and Significance of Human Resource in the organization	M					H					H				
CO2	students will be able to know the Recruitment and selection	H					H					H				
CO3	Students who undertake this programme will Demonstrate competence in development and problem-solving in the area of Promotions and Transfers	H					H					M				
CO4	Students will understand the Principles and objectives of wage and salary administration employee compensation, rewards, incentives and fringe benefits. Wage level and wage structure	M					L					H				
CC31	Advanced Management Accounting															
CO1	To enhance the abilities of learners to develop the concept of management accounting and its significance in the business.	M					M					H				
CO2	To enhance the abilities of learners to analyze the financial statements.	M					M					M				
CO3	To enable the learners to understand, develop and apply the techniques of management accounting in financial decision making in business corporates	H					H					M				

C04	To develop the learners to establish the interface between management Accounting Standards and the various elements of financial statement.	M					M					M				
C32	Statistical Techniques															
C01	Understand the basic knowledge on data collection and various statistical elementary tools	M					M					L				
C02	Have the critical thinking in the theory of probability and its applications in real life problems	H					M					M				
C03	Find the inter-relation between two or more phenomena with the help of curve fitting and correlation-regression analysis.	M					M					M				
C04	Understand the basic components of sampling and have the knowledge on exact sampling distributions which are essential for estimating and testing hypothetical statement	M					M					M				
F33	Computer Application in Commerce															
C01	Understand the basics of computer systems and its components.	H					M					M				
C02	Understand and apply the basic concepts of a word processing package.	H					H					M				
C03	Understand and apply the basic concepts of electronic spreadsheet software.	M					M					H				
C04	Understand and apply the basic concepts of database management system.	M					M					M				
F33	Direct Tax															
C01	Understand concepts and importance of direct tax	M					M					M				
C02	Understanding the status of persons and industries	M					M					M				
C03	Classification of allowances and calculation of income from salaries	M					M					L				

CO1	To impart students with the knowledge of fundamentals of Company Law and provisions of the Companies Act of 2013.	M					H					H				
CO2	To apprise the students of new concepts involving in company law regime.	M					M					M				
CO3	To acquaint the students with the duties and responsibilities of Key Managerial Personnel.	M					M					H				
CO4	To make aware the students about rules and regulation about appointment, resignation, removal of auditors, directors of the govt. And private ltd. companies.	M					M					H				
E44	E-Commerce															
CO1	Students Identify the component parts of e-commerce Identify the benefits of selling online	H					H					M				
CO2	students will learn about IT act 2000 and cyber crime	M					M					H				
CO3	Know how to optimise and stay safe when selling online and pay system	H					M					M				
CO4	students understand the outline strategy for E-Commerce application in various industries.	M					M					M				
F43	Operation Research															
CO1	Solve linear programming problems using appropriate techniques and optimization solvers, interpret the results obtained	H					H					H				
CO2	Determine optimal strategy for Minimization of Cost of shipping of products from source to Destination/ Maximization of profits of shipping products using various methods, Finding initial basic feasible and optimal solution of the Transportation Problems	H					H					M				

C03	Optimize the allocation of resources to Demand points in the best possible way using various techniques and minimize the cost or time of completion of number of jobs by number of persons.	M					M					M				
C04	Formulate Network models for service and manufacturing systems, and apply operations research techniques and algorithms to solve these Network problems.	M					H					H				
F43	Indirect Tax															
C01	Students will be able to acquire conceptual knowledge of Indirect Tax.	M					M					M				
C02	Students will be able to Identify and analyze the procedural aspects under different applicable statutes related to indirect taxation.	H					H					M				
C03	Students Understand the concept of various types of GST (CGST, SCST, IGST, UTGST)	M					M					M				
C04	Students Understand the provisions and importance of service tax, professional tax, LBT and GST	H					M					M				
	Current trends and digital commerce-															
C01	Students Understand the concept and evolution of commerce and E-commerce.	H					H					H				
C02	Students will learn new innovations and new trends in digital commerce.	M					M					H				
C03	Students will able to get knowledge about recently changes in industry, business and entrepreneurship.	H					H					M				
C04	Student will get knowledge, uses, merits and demerits and awareness of various digitalise social media apps.	H					M					M				

Name of Program - M. Sc. (Microbiology)																
Number of courses(Subjects) - 16																
Targeted Graduate Attributes - -: Disciplinary Knowledge, Critical Thinking, Problem Solving, Analytical Reasoning, Experimental Knowledge Teamwork, Scientific Research development																
Program Outcomes																
PO1	Get ability to apply the process of science by formulating hypotheses and design experiments based on the scientific method.															
PO2	Analyze and interpret results from a variety of microbiological methods															
PO3	Use quantitative reasoning by using mathematical calculations and graphing skills to solve problems in microbiology.															
PO4	Communicate and collaborate with other disciplines by effectively communicating the fundamental concepts of microbiology in written and oral format.															
PO5	Identify credible scientific sources to interpret and evaluate the evidences															
PO6	Use pure culture and selective techniques to isolate microorganisms. Identify microorganisms (media-based, molecular and serological).															
PO7	Practice safe microbiology, using appropriate protective, biosafety and emergency procedures.															
PO8	Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.															
PO9	Realized how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments.															
PO10	There is a continual demand for microbiologists in the work force – education, industry and research. Career opportunities for the graduate students are available in manufacturing industry and research institutes at technical level															
PO11	Identify complex problems in the society which can be addressed through science.															
PO12	Formulate strategies and design experiments to address the societal problems using first principles of basic sciences and applied sciences.															
Program Matrix																
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																
Course Outcomes (COs)		Program Outcomes (POs)														
		Domain Specific(PSO)				Domain Independent (PO)										
	Course Name - Microbial Metabolism (MM)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	This course deals with characteristics, properties and biological significance of the biomolecules of life. In depth knowledge of the energetic and regulation of different metabolic processes in		M				H						M			

	microorganisms.															
CO2	The student in the course learns the biochemical aspects of metabolic pathways of microorganisms.	M				M										H
CO3	At the end of the course, the students will be able to appreciate the aspects of microbial metabolism and their application in industries.	H				H					M					
CO4	They also learn the application of microbial cells in bioremediation and mineral recovery	H				H					M					H
	Course Name - Enzymology and Techniques (ET)															
CO1	The objective of the course is to provide a deeper insight into the fundamentals of enzyme structure and function and kinetics of soluble and immobilized enzymes.	H		L		H										H
CO2	The student will be able to describe structure, functions and the mechanisms of action of enzymes.	H		H	M											H
CO3	The student will learn kinetics of enzyme catalysed reactions and enzyme inhibitory and regulatory process	M		L												H
CO4	The student will be able to perform immobilization of enzymes. The student will also get exposure of wide applications of enzymes and their future potential.	L		M		M										L
	Course Name -Advance Techniques in Microbiology (ATM)															
CO1	This skill-based course will teach the students the various instrumentations that are used in the analytical laboratories.	M			M											L
CO2	This course covers both fundamental and applications of the instruments that are routinely	M										H		H		

CO2	The students also understand about the Structure and mode of action of various antibiotics .	H				H										L
CO3	the student also get complete ideas about Characteristics of fats and water soluble vitamins and there uses.	M				M										H
CO4	students learns about the types of Deficiency diseases in humans like Xerophthalmia, Beri Beri, Pellegra, Scurvey, Keratomalacia, osteoporosis,	H				M										L
1T4 (Core)	Course Name -Medical Microbiology and Parasitology (MMP)															
CO1	Students will be able to correlate disease symptoms with causative agent, isolate and identify pathogens. 2. They will gain knowledge of mechanism of action of antimicrobial drugs and prophylaxis.	M				H										M
CO2	This interdisciplinary course teaches the students interactions between human and microbes, diseases caused by microbes.	M				H										M
CO3	the students will also help to understand the Entry, spread and tissue damage of cell . Mechanism of bacterial adhesion, colonization and invasion of mucous membranes of respiratory, enteric and urogenital tracts.	H				M										L
CO4	They learn about culture, collection, handling and transport of clinical samples	H				H				M						H
	Course Name -Immunology and Immunodiagnostics (IID)															
CO1	The students learn about molecular basis of antigen recognition, hypersensitivity reaction, antigen-antibody reactions	M				H				M						H

CO4	students gets idea about the Non-automated in vitro drug susceptibility testing. Rapid tests for susceptibility testing, and antibiotic assay in body fluid, Drugs & vaccines delivery system	M			H				M							
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Name of Program - M.Sc. (Chemistry)	
Number of courses(Subjects) - 08	
Target Post Graduate Attributes - Effective communication, practical competence, collaborative work efficiency, research aptitude development, critical thinking ability, ability to start up own company, product designing, life long learning ability.	
Program Outcomes	
PO1	To demonstrate and apply the fundamental knowledge of the basic principles in various fields of chemistry.
PO2	Have sound knowledge about the fundamentals and applications of chemical and Scientific theories.
PO3	Understand and apply principles of organic chemistry for understanding the scientific phenomenon in reaction mechanisms.
PO4	Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to environmental pollution.
PO5	Understand good laboratory practices and safety.
PO6	Preparation of many organic compounds in one step, two step and multistep manner.
PO7	Know the polymers used in day to day life and their preparations.
PO8	Apply knowledge to build up small scale industry for developing endogenous product.
PO9	Study of biological mechanisms in natural products.
PO10	There are various higher study options for candidates who have completed their PG in Chemistry. They can join for the various other PG and research courses related to the topic of interest. Such Master of Philosophy in applied chemistry or basic chemistry. They can opt for Ph.D. in different fields of chemistry.
PO11	After M. Sc students are capable to work in many pharmaceutical, agricultural, polymer, cement industries etc.
Program Specific Outcomes	
PSO1	To understand molecules , their geometry and structures.
PSO2	To study the organic compounds, preparation, mechanism involved and industrial applications.
PSO3	To understand environmental parameters, basic laws, kinetics, thermodynamics and equilibrium studies.

PSO4	To know about types of techniques involved in structural, molecular analysis and principles of various analytical instruments.																	
PSO5	To get the knowledge about types of polymers and their industrial applications.																	
PSO6	Students will be able to understand about the spectroscopical methods and prediction of data.																	
Program Specific Outcomes																		
Program Matrix																		
Name of Program - M.Sc. (Chemistry)																		
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																		
Course Outcomes (COs)		Program Outcomes (POs)																
		Domain Specific(PSO)						Domain Independent (PO)										
1T1 (Core)	Course Name - Inorganic Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	Understand the background of bonding forces.	H						H										
CO2	Appreciates the importance of various theories in bonding.	H						M										
CO3	Learns the chemistry basis of solid state.Gains the imagination of 3D structures of silicates and caged compounds.	H						L										
CO4	Estimates the importance of extractive metallurgy.	M						M										
1T2 (Core)	Course Name - Organic Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11

CO2	Explain statistical physics and thermodynamics as logical consequences of the postulates of statistical mechanics.			H					H								M	H
CO3	Understand postulates and general principles of quantum mechanics. Approximations based on variational method and time independent perturbation theory. Application to harmonic oscillator, rigid rotor, one-electron and many-electron atoms, and homo-and heteronuclear diatomic molecules.			H					H								M	H
CO4	Know the importance of nuclear chemistry and its applications. Students will measure the rate of nuclear decay of a short-lived isotope to determine a number of statistical and physical properties.			H					H								M	H
1T4 (Core)	Course Name - Analytical Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	Describe and compare a range of analytical chemistry methods and explain the underlying theoretical principles.				H						H						M	H
CO2	Explain the broad role of chemists in quality control and assessment of experimental measurements and analytical tasks.				H						H						M	H

CO3	Employ a variety of analytical and instrumental methods to prepare, separate and quantify samples from various matrices.				H						H						M	H
CO4	Apply the scientific process, including statistical treatment of data, in the conduct and reporting of chemical analysis.				H						H						M	H
2T1 (Core)	Course Name - Inorganic Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	To study electronic spectra and magnetic properties of transition metal complexes.	H						H										
CO2	To study reaction mechanism of transition metal complexes.	H						M										
CO3	To study chemistry of metal carbonyls.	H						L										
CO4	To study chemistry of metal nitrosyls.	M						M										
2T2 (Core)	Course Name - Organic Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	To study reaction mechanism of addition reaction of C-C & C-hetero atom multiple bonds.	H								H		M	M		H			H

CO2	To study mechanism of molecular rearrangement and elimination reactions.	H								H		M	M		H			H
CO3	To study free radical mechanism of different name reactions.	H								H		M	M		H			H
CO4	To study concept of green chemistry.	H								H		M	M		H			H
2T3 (Core)	Course Name - Physical Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	To study basics of quantum mechanism and application of Schrodinger equation to simple system.			H					H								M	H
CO2	To study thermodynamics of ideal & non-ideal systems along with non-equilibrium thermodynamics.			H					H								M	H
CO3	To study concept of solid state chemistry.			H					H								M	H
CO4	To study concept of statistical thermodynamics and nuclear chemistry.			H					H								M	H
2T4 (Core)	Course Name - Analytical Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11

CO1	To study sampling, sample treatment, detection & quantification and stoichiometry.				H						H						M	H
CO2	To study modern chromatography techniques.				H						H						M	H
CO3	To study spectrophotometry, colorimetry and flame photometry.				H						H						M	H
CO4	Apply the scientific process, including statistical treatment of data, in the conduct and reporting of chemical analysis.				H						H						M	H
3T1 (Core)	Course Name - Organic Special- I	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	To understand the principle of photochemistry and its applications.	H								H		M	M		H			H
CO2	2. To know the pericyclic reactions mechanisms and its use in industries.	H								H		M	M		H			H
CO3	3. Different types of oxidation reactions, its chemistry and applications.	H								H		M	M		H			H

CO4	4.To understand the organometallic compounds, their synthesis and applications.	H								H		M	M		H			H
3T2 (Core)	Course Name - Organic Special-II	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	Explanation of terpenoid ,alkaloids and their synthesis.	H								H		M	M		H			H
CO2	To understand the natural products and their relation with human body.	H								H		M	M		H			H
CO3	To understand plant pigments, steroids and their mechanisms in living things.	H								H		M	M		H			H
CO4	Knowledge of carbohydrates, amino acids, proteins, types of synthesis and structural determination.	H								H		M	M		H			H
3T3 (Core)	Course Name - Polymer Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	Isolate the key design features of a product which relate directly to the materials used in its construction.					H					H			H			L	M

CO2	Describe the role of rubber-toughening in improving the mechanical properties of polymers.					H					H			H			L	M
CO3	Identify the repeat units of particular polymers and specify the isomeric structures which can exist for those repeat units.					H		L			H			H			L	M
CO4	Estimate the number and weight-average molecular masses of polymer samples given the degree of polymerisation and mass fraction of chains present.					H					H			H			L	M
3T4 (Core)	Course Name - Spectroscopy	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	To get the advanced knowledge about the interactions of electromagnetic radiation with matter and their applications in spectroscopy.						H	M		M								H
CO2	To be able to apply spectroscopic technique based on molecular symmetry to predict spectroscopic properties.						H	M		M								H

CO3	To be able to analyse and interpret spectroscopic data collected by the methods discussed in the course.						H	M		M								H
CO4	To be able to solve problems related to the structure, purity and concentration of chemicals and to study molecular interactions by choosing suitable spectroscopic methods and interpreting corresponding data.						H	M		M								H
4T1	Course Name - Organic Special- I	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	To study mechanism of name reactions involving carbanion intermediate.	H								H		M	M		H			H
CO2	To study application of organometallic reagents and transition metals in organic synthesis.	H								H		M	M		H			H
CO3	To study stereochemistry of carbohydrates and protection & deprotection chemistry.	H								H		M	M		H			H
CO4	To study design of synthesis based on retrosynthetic approach.	H								H		M	M		H			H
4T2 (Core)	Course Name - Organic Special-II	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11

CO1	To study basics of enzyme chemistry and mechanism of enzyme action.	H								H		M	M		H			H
CO2	To understand main synthetic routes and reactivity of various heterocyclic & bioactive compounds.	H								H		M	M		H			H
CO3	To study chemistry of nucleic acid, lipids and vitamins.	H								H		M	M		H			H
CO4	To study classification, structure and application of dyes and drugs.	H								H		M	M		H			H
4T3 (Core)	Course Name - Polymer Chemistry	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	To study different type of polymerization					H					H			H			L	M
CO2	To study different techniques of polymerization					H					H			H			L	M
CO3	To study characterization of polymers by spectral and thermal methods.					H		L			H			H			L	M
CO4	To study special applications of polymers.					H					H			H			L	M

4T4 (Core)	Course Name - Spectroscopy	1	2	3	4	5	6	1	2	3	4	5	6	7	8	9	10	11
CO1	To study basic principle and application of UV-Visible & photoelectron spectroscopy.						H	M		M								H
CO2	To study basic principle of NMR spectroscopy.						H	M		M								H
CO3	To study application of NMR, spectroscopy and structure determination of organic molecule by using different spectral methods.						H	M		M								H
CO4	To study basic principle and application diffraction techniques.						H	M		M								H

Name of Program- BBA													
Number of courses (Subjects) - 29													
Program Outcomes													
PO1	Student learn the evolution concept of business i.e. from traditional to modern various start Up schemes.												
PO2	Student is prepared for the competitive examination through the knowledge of logical reasoning.												
PO3	Student will equipped with practical knowledge of various important marketing platforms and strategies.												
PO4	Students understands the basics of financial accounting and computerized accounting and statistical technique and data analysis												
PO5	Student is able to demonstrate an understanding the measures of central tendency, towards business and others.												
PO6	Student interprets the importance of various Sociology, managerial traits ,HR techniques.												
PO7	Students will be able to learn all the banking services provided by bank and other financial institutions.												
PO8	Student will able to explore production and operation methods , entrepreneurial methodologies and statistical techniques												
PO9	Students explore the legal aspects of business and gain basic conceptual knowledge of various law.												
PO10	Student can learn importance of Research, environment ,its issues and ways to protect it.												
PO11	Student generates the reports by various accounting methods and prepare the budgets thereon.												
PO12	Practical application is provided to the students by the way of projects.												
				Program Outcomes (POs)									
				Domain Specific(PSO)			Domain Independent (PO)						
Code	Course Name	1	2	3	4	5	6	7	8	9	10	11	12
	English												
CO1	The Students will be made aware of various real life situations through different stories			H			M						
CO2	The students will be able to understand different concepts regarding Social media, advertising and hospitality		M			M							

CO3	The students will be able to learn and apply different soft-skills			H			M						
CO4	The students will be able to learn and use basic English grammar.		M										
2T2	Evolution of business	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The student will be able to relate the reasons of world war and its effect on global business environment	H		M									
CO2	Student can differentiate the Indian business structure between pre and post independence	H					M						
CO3	Student can analyse the contribution of various sectors in Indian business.	H		M						M			
CO4	Students can summarise global business and scenario.	H		M			M			M			
1T3	Aptitude Development I	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Student can practice effective communication in real life		H	M			M						
CO2	The student will be able to infer logical reasoning techniques.		H										
CO3	Student can recognise problem solving skills.		H	H									
CO4	student can explain and infer data analytical techniques.		M	M									
1T4-B	Financial Accounting using Tally	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Student will acquire knowledge and understanding of basics of financial accounting and computerized accounting				H							M	
CO2	The students will be able to prepare ledger and group to create various vouchers using Tally.				M								
CO3	Student will able to create bill wise detail based on stock.				M								

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CO4	The student will be able to analyse the role of Tourism Development Corporations and travel agents			M						M			
	Principles of Financial Management	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Maximization of value of the firm.				M			L					
CO2	Maximization of the wealth of the firm							L					
CO3	Determination of patterns of determining capital structure.				M				H				
CO4	Assessment of working capital needs of the firm. Focus on various decision of the firm like investment, financing and dividend General				M				H				
	Basic Statistical Techniques	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Students will be able to do arithmetic mean, median, harmonic mean.				M				H				
CO2	Calculation of correlation, regression analysis index number and time series analysis.				M				H				
CO3	Understands statistical testing and their applications.			L	M				H				
CO4	Students understands the application of probability theory.				M				M				
	Evolution of Business & Commercial Geography	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Understand evolution of Business, Economy and Industry, Industrial Evolution and Rise of European Business.	H		M									
CO2	Develop understanding about World War I & II , The Great Depression, Cold war, OPEC Crisis, Gulf war and Dawn of IT Era.	H				M	L			M			
CO3	Know how commercial geography relates with commerce, Economic activities of man, Physical and Cultural Environment, Determinism and Possibilism theory.			M			L			M			

CO4	Understand Industries and Economic Development, major industries in India and World.	H		M							L		
	Environment Management	1	2	3	4	5	6	7	8	9	10	11	12
CO1	It makes the student more concerned about environment										H		
CO2	It creates awareness in student how to minimize environmental pollution.					M				L			
CO3	It brings awareness social issues in environment Brings awareness about environmental ethics									M	H		
CO4	It provides knowledge how to achieve balance between the cost of society and environment					M					H		
	Principles Of Human Resource Management	1	2	3	4	5	6	7	8	9	10	11	12
CO1	To develop the understanding of the concept of human resource management and its relevance in organization.			L			H			M			
CO2	To understand the theories from the field of HRM.						H			M			
CO3	To integrate the knowledge of HR concepts to take correct business decisions		M				H						
CO4	To understand the financial impact of HRM activities on organization. Understands the implications on diversity and globalization on HRM process			L			H			M			
	Money Banking And Finance	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Understand about the origin of money and its development	L		M				H					
CO2	Have awareness about the present structure of banking system in India.			M				H					
CO3	Have an exposure of the techniques & application of contemporary banking. Explain the structure of financial markets.					M		H					

CO4	Identify roles of financial intermediaries within financial markets. Describe the various types of risk and its management	L		M		M		H					
	Introduction To Sociology And Psychology	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Develop understanding about Sociology, its characteristics, Development of Modern Industrial Society, postmodern society and culture.		H				M						
CO2	To know social structure and social change			M			M						
CO3	Understand meaning, definition, scope, application, methods, perspective of Psychology.		H										
CO4	Understand Nervous system and social psychology, socialization and perceiving others			M			M						
	Business Legislation	1	2	3	4	5	6	7	8	9	10	11	12
CO1	It improves the knowledge of Companies Act.						M			H			
CO2	It explains the concepts in business laws with respects of administration	M				M				M			
CO3	It provides knowledge of different meetings, need importance of valid meetings	M								M			
CO4	It improves the knowledge of contract act. How to enter into any contract safely.				M		M			H			
	Principles of Operation management	1	2	3	4	5	6	7	8	9	10	11	12
CO1	To understand the importance of production and operation management in uncertain business environment.		L						H				
CO2	To understand the resource utilization of an organization.	M		M									
CO3	To understand the applicability of operation in different Areas of business.	M							M	M			
CO4	To understand the challenges faced in manufacturing, production and service.		M			M			H				

	Entrepreneurship Development	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Become aware of entrepreneurship opportunities available in the society for the entrepreneur.	M	H										
CO2	Develop the motivation to enhance entrepreneurial competency		M	M									
CO3	Student shall be learn MSME, SSI, (PIS), and project appraisal	M						M					
CO4	Student shall be learn the Institutional and Financial support - MIDC, SSIB, IDBI, IFCI and SFCs							H		M			
	International Business Environment	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Identify and evaluate the complexities of international business and its impact on globalization.	H		M		M							
CO2	Analyze the relationship between international business and the political, economic, legal and social policies of countries, regions and international institutions.		M							H			
CO3	Analyze current conditions in developing emerging markets, and evaluate present and future opportunities and risks for international business activities.					M				H			
CO4	Develop a framework to support successful decision making in all relevant functions and activities of any international business or international operation,		M			M					M		
	Research methodology	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Understand and use the concept of research methodology.				M						M		
CO2	Judge the reliability and validity of experiments and perform exploratory data analysis.				M				H				
CO3	Use parametric and non-parametric hypothesis tests (and interpreting their results).				H				M		M		

CO4	Use computer-intensive methods for data analysis								H				
	Paper I –Fundamentals of Human Resource Management	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Its provided information about how to manage Human resources. Explained the importance of HRM.						H						
CO2	Describe the concept of performance appraisal. Describe the various methods of performance appraisal.			M			H						
CO3	Its explain the compensation management. Its clear what is the legal aspects which are related with employees for example Provident fund.					L				H			
CO4	Its give information about Industrial Relation Act, wages Act, ESI Act.			M						H			
	Fundamentals Of Business Finance	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Maximization of value of the firm. Determination of patterns of determining capital structure.				H				M			M	
CO2	Various capital budgeting decision.											H	
CO3	Assessment of working capital needs of the firm.				M				H				
CO4	Focus on various decision of the firm like investment, financing and dividend general.				M				H			M	
	Fundamentals of Marketing Management	1	2	3	4	5	6	7	8	9	10	11	12
CO1	Learn about Integrated Communication Mix(IMC)		M	H									
CO2	Understand Branding and Digital Marketing Develop understanding about Sales organization and relationship with other elements.			M			H						
CO3	Learn about channels of distribution					M	H				M		
CO4	Understand nature, scope, characteristic, vision, strategies, branding and positioning of Service Marketing.		M	H			M						

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Name of Program - B. Com. (Computer Application)															
Number of courses(Subjects) - 30															
PO1	Students will be able to design and implement a web page.														
PO2	The student will be able to learn computer language and develop own software.														
PO3	The students will be ready for employment in functional areas like accounting, taxation, banking,														
PO4	Students will learn to organize information efficiently in the forms of outlines, charts, etc. using														
PO5	The student will be able to communicate and work more efficienttv.														
PO6	The student shall be able demonstrate the usage and application of Computer Software														
PO7	Demonstration of deeper understanding of business world both from theoretical and practical														
PO8	Students will understand the concept of supply chain management & customer relationship														
PO9	students will be able to perform E-Banking, E-Marketing, E-Learning, E-Shopping.														
PO10	Describe the scientific method and provide an example of its application.														
PO11	Develop solutions for security, balancing technical and privacy issues as well as business concerns.														
PO12	Application of knowledge to comprehend the dynamism of the corporate world and its impact on														
PO13	Do Academic and Professional Presentations Designing and delivering an effective .														
PO14	Acquaintance with latest trends in technological development and thereby innovate new														
Program Matrix															
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)															
Course Outcomes (COs)		Program Outcomes (POs)													
		Domain				Domain Independent (PO)									
1T1 (Core)	Course Name - English and Business Communication	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Students will heighten their awareness of correct usage of English grammar in writing and speaking	L	M	L	H	H	L	M	L	M	L	H	M	L	H
CO2	Students will improve their reading fluency skills through extensive reading	H	L	M	L	H	L	H	M	L	H	L	M	H	L
CO3	Student will produce a short research paper using the drafting process	M	L	M	L	H	H	L	M	L	H	L	M	H	L
CO4	Students will give oral presentations and receive feedback on their performance	L	L	L	L	H	L	M	L	M	L	M	M	L	M
1T2(Core)	Course Name - MS Office(IT)	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	To be able to create documents for printing and sharing	L	H	M	L	H	M	L	H	M	H	M	L	H	M

CO2	To be able to create and share presentations	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Learners will be able to claim proficiency in Word and PowerPoint.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO4	Learners will be familiar with some advanced Word and PowerPoint functions.	L	H	M	L	H	M	H	M	L	H	M	H	M	L
1T3 (Core)	Course Name - Fundamentals of computer	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	To explore the fundamentals of Computer Architecture and Organization	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO2	To understand the design of control unit	M	L	M	L	H	M	H	M	L	M	L	H	M	L
CO3	To study the concepts of m	H	M	L	H	M	H	M	L	M	L	H	M	M	L
CO4	To understand the concept	H	M	L	H	M	H	M	L	M	L	H	M	M	L
1T4 (Core)	Course Name - Professional ethics & human values	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	To create an awareness about the goal, mission, and vision of life.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO2	Ability to develop ethical behaviour by practicing virtues.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
CO3	Ability to deal with the moral issues at workplaces.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO4	To cultivate virtues and eradicate vices which can make them flourish in their lives.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
1P5 (Core)	Course Name -Tally-I(ERP-9)	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Basic knowledge of Business Management and Accounting is necessary.	L	H	M	L	H	M	L	H	M	H	M	L	H	M

CO2	Every top-rated Tally Course contains Billing, Banking, and Taxation topics in the course curriculum.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Tally Course deals with GST, TDS, inventory management, and accounting.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO4	Beginners can opt for various top Tally Courses with these topics in order to brush up their knowledge and skills.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
2T1 (Core)	Course Name - English And Business Communication	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	understand real speech patterns and learn pronunciation techniques in fluent speech	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO2	Improve your confidence and how you connect with people in English	H	L	M	L	H	M	H	M	L	M	L	H	M	L
CO3	consistently develop a comprehensive vocabulary through real, authentic resources	H	M	L	H	M	H	M	L	M	L	H	M	M	L
CO4	Use the language flexibly and express yourself in the suitable language for the context : for example in social, professional or academic contexts	L	M	L	H	M	H	M	L	M	L	H	M	M	L
2T2 (Core)	Course Name - Principle of business management	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Explain the primary functions of management.	L	M	L	H	H	L	M	L	M	L	H	M	L	H

CO2	Describe the primary types of managers and the roles they play.	H	L	M	L	H	L	H	M	L	H	L	M	H	L
CO3	Explain the stages of the planning cycle.	M	L	M	L	H	H	L	M	L	H	L	M	H	L
CO4	Explain evidence-based decision making and its tools.	L	L	L	L	H	L	M	L	M	L	M	M	L	M
2T3 (Core)	Course Name - Database Management System	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	The students will be able to define program-data independence, data models for database systems.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO2	the students will be able to define database schema and database instances.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Student will able to recall Relational Algebra concepts.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO4	Students will be able to describe the differences between OODBMS, ORDBMS and RDBMS and describe the practical implications of each approach.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
2T4 (Core)	Course Name - E-Commerce and Web Designing	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Describe the key features of Internet, Intranets and Extranets and explain how they relate to each other	H	L	M	L	H	L	M	H	M	M	L	M	H	L
CO2	Describe about the anatomy of e-commerce applications	L	H	L	M	H	M	M	L	M	H	L	H	L	M
CO3	Explain about the Types of electronic payment systems	L	M	L	H	L	M	H	M	M	L	M	H	M	H

CO4	Demonstrate an retailing in E-commerce by using the effectiveness of market research	M	H		L	H	L	M	H	M	M	L	M	H	L
2P5 (Core)	Course Name - Tally-I(ERP-9)	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Students will possess required skill and can also be employed as Tally data entry operator	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO2	To get full benefit of this course, the student needs to have basic knowledge of accounting and computer.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
CO3	To make students capable to create company, enter accounting voucher entries including advance voucher entries, reconcile bank statement, do accrual adjustments, and also print financial statements, etc. in Tally ERP.9 software.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO4	This course helps students to work with well-known accounting software i.e. Tally ERP.9.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
3T1 (Core)	Course Name - Environmental Studies	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Understand and evaluate the global scale of environmental problems;	H	L	M	L	H	L	M	H	M	M	L	M	H	L

CO2	Articulate the interconnected and interdisciplinary nature of environmental studies	L	H	L	M	H	M	M	L	M	H	L	H	L	M
CO3	Communicate complex environmental information to both technical and non-technical audiences	L	M	L	H	L	M	H	M	M	L	M	H	M	H
CO4	Demonstrate an integrative approach to environmental issues with a focus on sustainability;	M	H		L	H	L	M	H	M	M	L	M	H	L
3T2 (Core)	Course Name - Business Economics	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	To familiarize the students with the basic concept of microeconomics.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO2	To make student understand the demand and supply analysis in business applications	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	To apply marginal analysis to the “firm” under different market conditions.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO4	To integrate the concept of price and output decisions of firms under various market structure	M	L	M	L	H	M	H	M	L	M	L	H	M	L
3T3 (Core)	Course Name - Visual Basic Programming	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Students prepare various projects by helping visual programming.	L	M	L	H	H	L	M	L	M	L	H	M	L	H
CO2	Students code visual programs by using Visual Basic work environment.	H	L	M	L	H	L	H	M	L	H	L	M	H	L

CO3	Design a complete program using visual programming concepts.	M	L	M	L	H	H	L	M	L	H	L	M	H	L
CO4	Interpret and report obtaining results.	L	L	L	L	H	L	M	L	M	L	M	M	L	M
3T4 (Core)	Course Name - Database Management system	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	The students will be able to define program-data independence, data models for database systems.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO2	the students will be able to define database schema and database instances.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
CO3	Student will able to recall Relational Algebra concepts.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO4	Students will be able to describe the differences between OODBMS, ORDBMS and RDBMS and describe the practical implications of each approach.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
3P1 (Core)	Course Name - Visual Basic Programming &Database Management System	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Students prepare various projects by helping visual programming.	L	M	L	H	H	L	M	L	M	L	H	M	L	H
CO2	Students code visual programs by using Visual Basic work environment.	H	L	M	L	H	L	H	M	L	H	L	M	H	L

CO3	The students will be able to define program-data independence, data models for database systems.	M	L	M	L	H	H	L	M	L	H	L	M	H	L
CO4	the students will be able to define database schema and database instances.	L	L	L	L	H	L	M	L	M	L	M	M	L	M
4T1 (Core)	Course Name - Statistical Techniques	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Identify the characteristics of different discrete and continuous distributions.	H	L	M	L	H	L	M	H	M	M	L	M	H	L
CO2	Analyze statistical data graphically using frequency distributions and cummulative frequency distributions.	L	H	L	M	H	M	M	L	M	H	L	H	L	M
CO3	Organize, manage and present data.	L	M	L	H	L	M	H	M	M	L	M	H	M	H
CO4	Identify the type of statistical situation to which different distributions can be applied.	M	H		L	H	L	M	H	M	M	L	M	H	L
4T2 (Core)	Course Name - Business Law	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Demonstrate an understanding of the Legal Environment of Business.	L	M	L	H	H	L	M	L	M	L	H	M	L	H
CO2	Communicate effectively using standard business and legal terminology.	H	L	M	L	H	L	H	M	L	H	L	M	H	L
CO3	pply basic legal knowledge to business transactions.	M	L	M	L	H	H	L	M	L	H	L	M	H	L

CO4	Demonstrate recognition of the requirements of the contract agreement	L	L	L	L	H	L	M	L	M	L	M	M	L	M
4T3 (Core)	Course Name - Core Java	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Validate input in a Java program.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO2	Use a version control system to track source code in a project.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
CO3	Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO4	Designs will demonstrate the use of good object-oriented design principles including encapsulation and information hiding.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
4T4 (Core)	Course Name - PHP & MySQL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	List the major elements of the PHP & MySQL work and explain why PHP is good for web development	L	M	L	H	H	L	M	L	M	L	H	M	L	H
CO2	Analyze the basic structure of a PHP web application and be able to install and maintain the web server, compile, and run a simple web application.	H	L	M	L	H	L	H	M	L	H	L	M	H	L
CO3	Learn how to take a static website and turn it into a dynamic website run from a database using PHP and MySQL.	M	L	M	L	H	H	L	M	L	H	L	M	H	L

CO4	Learn different ways of connecting to MySQL through PHP, and how to create tables, enter data, select data, change data, and delete data. Connect to SQL Server and other data sources.	L	L	L	L	H	L	M	L	M	L	M	M	L	M
4P1 (Core)	Course Name - Core Java & PHP & MySQL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Validate input in a Java program.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO2	Use a version control system to track source code in a project.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Learn how to take a static website and turn it into a dynamic website run from a database using PHP and MySQL.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO4	Learn different ways of connecting to MySQL through PHP, and how to create tables, enter data, select data, change data, and delete data. Connect to SQL Server and other data sources.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
5T1 (Core)	Course Name - Computerized Accounting using Tally	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Basic knowledge of Business Management and Accounting is necessary.	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO2	Every top-rated Tally Course contains Billing, Banking, and Taxation topics in the course curriculum.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
CO3	Tally Course deals with GST, TDS, inventory management, and accounting.	L	H	M	L	H	M	L	H	M	H	M	L	H	M

CO4	Beginners can opt for various top Tally Courses with these topics in order to brush up their knowledge and skills.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
5T2 (Core)	Course Name - VB.Net	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Design, formulate, and construct applications with VB.NET	L	M	L	H	H	L	M	L	M	L	H	M	L	H
CO2	Integrate variables and constants into calculations applying VB.NET	H	L	M	L	H	L	H	M	L	H	L	M	H	L
CO3	Determine logical alternatives with VB.NET decision structures	M	L	M	L	H	H	L	M	L	H	L	M	H	L
CO4	Implement lists and loops with VB.NET controls and iteration	L	L	L	L	H	L	M	L	M	L	M	M	L	M
5T3(Core)	Course Name - System analysis & Design	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	An understanding of the analysis and development techniques required as a team member of a medium-scale information systems development project;	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO2	Experience in developing information systems models.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Experience in developing systems project documentation.	M	H	M	L	M	L	H	M	L	H	M	L	H	M

CO4	An understanding of the ways in which an analyst's interaction with system sponsors and users play a part in information systems development.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
5T4 (Core)	Course Name - Cost & Management Accounting	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Understand the basis of conventional and contemporary costing systems	H	L	M	L	H	L	M	H	M	M	L	M	H	L
CO2	Determine the costs of products and services	L	H	L	M	H	M	M	L	M	H	L	H	L	M
CO3	Critically analyse relevant costs and provide recommendations for decision making	L	M	L	H	L	M	H	M	M	L	M	H	M	H
CO4	Prepare plans and budgets and analyse variances from standard cost to pinpoint areas that need control	M	H		L	H	L	M	H	M	M	L	M	H	L
5P1 (Core)	Course Name - Tally & VB.Net	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Tally Course deals with GST, TDS, inventory management, and accounting.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO2	Beginners can opt for various top Tally Courses with these topics in order to brush up their knowledge and skills.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Design, formulate, and construct applications with VB.NET	M	H	M	L	M	L	H	M	L	H	M	L	H	M

CO4	Integrate variables and constants into calculations applying VB.NET	M	L	M	L	H	M	H	M	L	M	L	H	M	L
6T1(Core)	Course Name - C#.Net	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Generate and test your own classes using the Class Designer and Object Test Bench tools.	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO2	Use delegate types to provide flexibility and type safety.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Use anonymous types, lambda expressions, extension methods, object initializers, and implicit type declarations	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO4	Learn the fundamentals of C# programming in Visual Studio.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
6T2 (Core)	Course Name - Python	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Understand the concepts of Python	H	L	M	L	H	L	M	H	M	M	L	M	H	L
CO2	Write robust code using exception handling	L	H	L	M	H	M	M	L	M	H	L	H	L	M
CO3	Create and animate a variety of shapes and develop an application with graphical user interface (GUI).	L	M	L	H	L	M	H	M	M	L	M	H	M	H
CO4	Extend the knowledge of python programming to build successful career in software development.	M	H		L	H	L	M	H	M	M	L	M	H	L
6T3 (Core)	Course Name - Company Law and Secretarial Practice	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Firstly, Promotion, formation of company	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO2	Secondly, Representing company	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Thirdly, Handling Corporate Governance	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO4	Administrator in respect of company	M	L	M	L	H	M	H	M	L	M	L	H	M	L
6P1 (Core)	Course Name - C#.Net & SEC - II	1	2	3	4	5	6	7	8	9	10	11	12	13	14

CO1	Use anonymous types, lambda expressions, extension methods, object initializers, and implicit type declarations	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO2	Learn the fundamentals of C# programming in Visual Studio.	M	L	M	L	H	M	H	M	L	M	L	H	M	L
CO3	Create and animate a variety of shapes and develop an application with graphical user interface (GUI).	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO4	Extend the knowledge of python programming to build successful career in software development.	M	L	H	M	L	H	M	H	M	L	M	L	H	M
6P2 (Core)	Course Name - Project	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CO1	Learning lessons for future projects and identifying areas for improvement	L	H	M	L	H	M	L	H	M	H	M	L	H	M
CO2	Providing an overall purpose for your project	M	L	H	M	L	H	M	H	M	L	M	L	H	M
CO3	Discovering ways for meeting the needs of your clients	M	H	M	L	M	L	H	M	L	H	M	L	H	M
CO4	Helping make sure all parts of the project serve the end goal	M	L	M	L	H	M	H	M	L	M	L	H	M	L

Name of Program: Bachelor of Computer Applications (BCA)																					
Number of courses(Subjects) - 44																					
Program Outcomes																					
i. Domain Independent Outcomes																					
PO1	Good logical thinking and quick learning skills																				
PO2	Good communication skills																				
PO3	Transform composite production scenarios and present-day issues into problems																				
PO4	Problem solving and analytical skills																				
PO5	An ability to apply knowledge of mathematics, computer science and management in practice																				
PO6	Documentation Knowledge																				
ii. Program Specific Outcomes																					
PSO1	Proficiency in Object Oriented Programming Languages namely C++, Core Java																				
PSO2	Command over Data Structures and Algorithms																				
PSO3	Expertise in .NET technologies namely VB.NET and ASP.NET																				
PSO4	Skills required to build dynamic websites namely HTML, CSS, DHTML, JSP, Java Script and VB																				
PSO5	Good Database skills																				
PSO6	Command over various aspects of Computer Graphics namely hardware, algorithms and applications																				
PSO7	Adequate knowledge of function and working principles of System Software namely Operating System																				
PSO8	Well versed with software development methodologies																				
PSO9	Skills required for developing high quality Information System which combines Information Technology, people and Data to support business requirement.																				
PSO10	Skills to draw proper conclusions from the given data using various statistical techniques.																				
PSO11	Good hardware Knowledge																				
PSO12	Good Networking Knowledge																				
PSO13	Good at solving those problems which cannot be solved analytically by using various Numerical methods																				
PSO14	Expertise in finding optimum solutions to real life problems represented as mathematical models by using various techniques belonging to Operation Research field																				
Program Matrix																					
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																					
	Course Outcomes (COs)	Program Outcomes (POs)																			
		Domain/Program Specific Outcomes														Domain Independent					
	Course Name :Computer Fundamentals	P S O 1	P S O 2	P S O 3	P S O 4	P S O 5	P S O 6	P S O 7	P S O 8	P S O 9	PS O10	PS O11	PS O12	PS O13	PS O14	P O1	P O2	PO 3	PO 4	PO 5	PO 6
CO1	Have the knowledge of basic components of computer including peripheral devices and their working	M	M	L	M	M	M	L	M	M	L	H	L	M	L	H	H	L	M	M	M
CO2	Know the evolution of programming languages	H	H	H	H	H	M	H	L	H	L	L	M	L	L	L	L	H	M	M	L
CO3	Have basic knowledge of software code converting tools.	H	H	L	L	L	L	H	M	L	L	M	M	L	L	L	L	H	H	H	L
	Course Name : C Programming																				
CO1	Can write flowcharts and algorithms for simple mathematical problems	H	H	L	M	L	M	H	M	H	M	M	M	L	L	H	H	H	H	H	H

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CO1	History of OS leading to current form	H	H	M	M	M	H	H	H	M	H	H	M	M	M	L	M	M	M	L	
CO2	Structure , function and components of OS	H	H	M	M	M	H	H	H	M	H	H	M	M	M	L	M	M	M	L	
CO3	Memory, I/O and File management techniques	H	H	M	M	M	H	H	H	M	H	H	M	M	M	L	M	M	M	L	
CO4	Various CPU scheduling algorithms	H	H	M	M	M	H	H	H	M	H	H	M	M	M	L	M	M	M	L	
CO5	Methods for performance comparison of CPU scheduling algorithms																				
		H	H	M	M	M	H	H	H	M	H	H	M	M	M	L	M	M	M	L	
CO6	The concept of deadlock, its detection, prevention and recovery																				
		H	H	M	M	M	H	H	H	M	H	H	M	M	M	L	M	M	M	L	
	Course Name :Office Automation																				
CO1	Create professional looking documents with text, tables, images, hyperlinks, and watermarks in Microsoft Word																				
		L	L	L	L	M	L	M	M	M	H	H	L	M	M	M	M	H	M	M	H
CO2	Send same document to multiple recipients using mail merge of MS-Word																				
		L	L	L	L	M	L	M	M	M	H	H	L	M	M	M	M	H	M	M	H
CO3	Design and create accurate professional worksheets for use in business and industry, and academic environments by using various formatting techniques and mathematical formulae using MS-Excel																				
		L	L	L	L	M	L	M	M	M	H	H	L	M	M	M	M	H	M	M	H
CO4	Present the data visually using graphs in MS-Excel																				
		L	L	L	L	M	L	M	M	M	H	H	L	M	M	M	M	H	M	M	H
CO5	Create power point presentations using tables, clip art and animations																				
		L	L	L	L	M	L	M	M	M	H	H	L	M	M	M	M	H	M	M	H
		L	L	L	L	M	L	M	M	M	H	H	L	M	M	M	M	H	M	M	H
	Course Name : Compulsory English-I																				
CO1	Students will get insight into global language with a different perspective																				
		L	L	L	L	L	L	L	L	L	L	L	L	L	L	M	H	M	M	M	M
CO2	They will develop the habit of reading books and gain knowledge about different aspects																				
		L	L	L	L	L	L	L	L	L	L	L	L	L	L	M	H	M	M	M	M

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CO1	Handwriting, proper Marathi word usage and Marathi grammar improves.	L	L	L	L	L	L	L	L	L	L	L	L	L	L	M	H	M	M	M	M
CO2	Communication and vocabulary will be focus.	L	L	L	L	L	L	L	L	L	L	L	L	L	L	M	H	M	M	M	M
CO3	Focus on Reading and writing skill in essays, poem and answers of question .	L	L	L	L	L	L	L	L	L	L	L	L	L	L	M	H	M	M	M	M
	Course Name : Visual Basic Programming																				
CO1	Use modern integrated development environment to create programs with attractive graphical user interfaces by making use of various components and basic programming constructs	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO2	Understand and use the event-driven model	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO3	Can update databases through VB Programs	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO4	Can generate data reports	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
	Course Name : Data Base Management Systems																				
CO1	Knowledge of of DBMS architecture and components and the roles of various personnel involved in data base management system	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO2	Good knowledge of data models like E-R Models and Relational models which show how data is stored, connected, accessed and updated in the database management system.	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H

CO3	Good knowledge of Functional Dependency (FD) which determines the relation of one attribute to another attribute in a database management system (DBMS) system. Knowledge of FD is very important as it helps to maintain the quality of data in the database	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO4	Can minimize or eliminate redundancy in database tables using various normal forms	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
	Data Structures																				
CO1	Emphasize the importance of data structures in developing and implementing efficient algorithms.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
CO2	Can select an efficient data structure in terms of time and space for any application as they have thorough knowledge of linear and non linear data structures namely arrays, linked list, stack, queues, trees and graphs	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
CO3	Can solve problems using recursion	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
CO4	Can convert arithmetic expression to easily parsable , parenthesis-less prefix and postfix form using stacks.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
CO5	Good knowledge of various sorting techniques and its efficiency	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	Course Name : Operations Research-I																				
CO1	Construct a mathematical model around the problem that resembles the real world	H	M	M	M	L	L	L	M	M	H	L	M	H	H	H	H	H	H	H	H

CO2	Can use various methods of Linear programming , a method to achieve the best outcome such as maximum profit or lowest cost or lowest time in a mathematical model whose requirements are represented by linear relationships.	H	M	M	M	L	L	L	M	M	H	L	M	H	H	H	H	H	H	H	H
CO3	Can solve Transportation and Assignment problems which deal with assigning sources and jobs to destinations and machines.	H	M	M	M	L	L	L	M	M	H	L	M	H	H	H	H	H	H	H	H
Course Name : Web Technologies-I																					
CO1	Good understanding of terms related to internet and working of internet	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H	H	H
CO2	Have good working knowledge of Hyper Text Markup language(HTML) and Cascading Style Sheet(CSS)	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H	H	H
CO3	Have knowledge of Dynamic HTML(DHTML) which , is a collection of technologies used together to create interactive and animated websites	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H	H	H
Course Name : Digital Electronics-I																					
CO1	Thorough knowledge of data representation using various number systems and binary codes	H	H	H	H	M	H	H	H	H	M	H	H	M	M	H	M	M	H	H	M
CO2	Knowledge of digital logic gate which forms the basis of all digital electronic circuits and microprocessor based systems	H	H	H	H	M	H	H	H	H	M	H	H	M	M	H	M	M	H	H	M

CO3	Thorough knowledge of Boolean Algebra which is the mathematical foundation of digital circuits including simplification using Karnaugh map	H	H	H	H	M	H	H	H	H	M	H	H	M	M	H	M	M	H	H	M
Course Name : Software Engineering -I																					
CO1	Good knowledge of Capability Maturity Model Integration (CMMI), a framework used to analyse the approach to software development and provides guidelines for further improving the software product	H	H	M	H	H	M	H	H	H	H	H	H	M	M	H	H	H	H	H	H
CO2	Knowledge of various software process model which represents the order in which the activities of software development will be undertaken.	M	H	M	H	H	M	H	H	H	H	H	H	M	M	H	H	H	H	H	H
CO3	<i>Knowledge of requirements engineering which is the process of understanding and defining the services that are required and the constraints associated with these services</i>	H	H	M	H	H	M	H	H	H	H	H	H	M	M	H	H	H	H	H	H
CO4	Knowledge of design engineering to generate a model which shows firmness, delight and commodity	H	H	M	H	H	M	H	H	H	H	H	H	M	M	H	H	H	H	H	H
Course Name : SQL and PL SQL																					
CO1	Mastery over various commands used in SQL to define , control, and manipulate data and to control transaction in a database	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO2	Knowledge of views to accelerate data analysis and provide extra data security	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H

CO3	Can write PL SQL program using basic constructs, exception handling, cursors, stored functions and procedures, triggers	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
	Course Name :Theory of Computation																				
CO1	Can write regular expression to describe a pattern of characters	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO2	Can design Finite Automata (FA) , a simplest machine to recognize patterns.	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO3	Can write production rules to generate patterns of strings using Context Free Grammar (CFG)	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO4	Can simplify CFG using various normal forms	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO5	Have knowledge of Regular and Context Free languages including properties	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
	Can design push down automata to recognize CFG	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
	Course Name :Opertaions Research-II																				
CO1	After successful completion of the course, students can / have	H	M	M	M	L	L	L	M	M	H	L	M	H	H	H	H	H	H	H	H
CO2	Knowledge of Game theory in decision making which is the process of modeling the strategic interaction between two or more players in a situation containing set rules and outcomes.	H	M	M	M	L	L	L	M	M	H	L	M	H	H	H	H	H	H	H	H
CO3	Knowledge of PERT and CPM which are techniques of project management useful in the basic managerial functions of planning, scheduling and control.	H	M	M	M	L	L	L	M	M	H	L	M	H	H	H	H	H	H	H	H
CO4	Good knowledge of inventory control techniques	H	M	M	M	L	L	L	M	M	H	L	M	H	H	H	H	H	H	H	H

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CO3	Can extract the scene with different clipping methods and its transformation to graphics display device.	H	H	M	H	M	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	Course Name : Compiler Construction																				
CO1	Have good knowledge of major phases of compilation	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO2	Have knowledge of lexical and syntactic structure of the programming language	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO3	Have knowledge of design and implementation of lexical analysers	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO4	Can explain the role of a parser in a compiler and relate the yield of a parse tree to a grammar derivation;	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO5	Good knowledge of various types of parsers	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO6	Knowledge of various code optimization techniques	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
CO7	Can apply the code generation algorithms to get the machine code for the optimized code.	H	H	H	M	M	M	M	H	H	M	M	M	M	M	H	H	H	H	H	H
	Course Name : VB.NET																				
CO1	Have good understanding of .NET framework	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO2	Can create GUI applications	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO3	Can build MDI application	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO4	Can design and implement interfaces	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO5	Have knowledge of adapter design pattern which allows otherwise incompatible classes to work together	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO6	Have knowledge of delegates and events	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO7	Have knowledge of exception handling and various debugging tools	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H
CO8	Can write VB.NET programs using the above concepts	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H	H

	Course Name : Software Engineering-II																		
CO1	Have knowledge of Architectural design which is the critical link between design and requirements engineering,	H	H	M	H	H	M	H	H	H	H	H	M	M	H	H	H	H	H
CO2	Have knowledge of various testing strategies	M	H	M	H	H	M	H	H	H	H	H	M	M	H	H	H	H	H
CO3	Can assure the software quality using various software quality metrics	H	H	M	H	H	M	H	H	H	H	H	M	M	H	H	H	H	H
CO4	Can effectively carry out risk management activities through out the software development process	H	H	M	H	H	M	H	H	H	H	H	M	M	H	H	H	H	H
	Course Name :PHP-I																		
CO1	Install PHP on windows and Linux platforms	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H
CO2	Use basic constructs of PHP and embed PHP in web pages	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H
CO3	Use regular expressions in PHP	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H
CO4	Knowledge of communication between web pages and PHP using various controls	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H
CO5	Can write efficient PHP code using the above concepts	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H
	Course Name : Data Communication and Network-I																		
CO1	Understand the basics of data communication, networking, internet and their importance.	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H
CO2	Knowledge of Asynchronous and Synchronous data transmission	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H
CO3	Knowledge of connecting multiple communicating devices with one another using circuit switching and packet switching	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H

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	Course Name : Software Testing																			
CO1	Knowledge of basic software debugging methods.	H	H	M	H	H	M	H	H	H	H	H	M	M	H	H	H	H	H	H
CO2	Knowledge of white box and black box testing methods	M	H	M	H	H	M	H	H	H	H	H	M	M	H	H	H	H	H	H
CO3	Knowledge of Levels of testing	H	H	M	H	H	M	H	H	H	H	H	M	M	H	H	H	H	H	H
CO4	Knowledge of total test management	H	H	M	H	H	M	H	H	H	H	H	M	M	H	H	H	H	H	H
	Course Name : PHP-II																			
CO1	Write code to manage databases through PHP	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H
CO2	Knowledge of form handling and browser interaction in PHP	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H
CO3	Use cookies in PHP	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H
CO4	<i>Knowledge of PHP functions to handle files on FTP server</i>	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H
CO5	Knowledge of shell access from the browser through PHP shells	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H
CO6	Send emails using PHP	H	H	H	H	H	H	H	M	H	H	M	H	M	M	H	H	H	H	H
	Course Name : Data Communications and Network-II																			
CO1	Knowledge of features of various protocol layers in data networks.	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H	H
CO2	Thorough knowledge of transport and session protocols	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H	H
CO3	Knowledge of ISDN and Broadband	H	H	H	H	H	H	H	H	H	H	M	H	M	M	H	H	H	H	H

Name of Program -B.Sc. (Computer Science)																
Number of courses(Subjects) - 12																
Program Outcomes																
PO1	The students will be able to develop aptitude to manifest knowledge in															
PO2	The students will gain adequate knowledge about various components															
PO3	Students will be able to think critically for solving problems and recent															
PO4	The students will be able to develop skills in software design and its															
PO5	The students will gain adequate knowledge about creating and handling															
PO6	The students will gain adequate knowledge about handling data using															
PO7	The students will be able to apply knowledge of computer scienc in															
PO8	The students will be able to develop self sustainability as well as															
PO9	The aspiring students will also be able to progress to M.Sc. Or MCA															
PO10	The students will be able to develop high quality information system to															
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																
Course Outcomes (COs)		Program Outcomes (POs)														
		Domain 1				Domain 2										
B.Sc. Sem	Course Name -Paper-1 - Programming in C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students can write flowcharts and algorithms for simple mathematical problems.	H	H	H	H			H	M	H						
CO2	Students will have good understanding of programming constructs.	H	H	H	H			H	M	H						
CO3	Students can write modular code for simple mathematical problems in C using primary and derived data types and various programming constructs.	H	H	H	M			H	H	M	H					
CO4	Students can also write programs to manipulate files on the local file system.	H	H	H	H			H	M	H						

B.Sc. Sem I	Course Name - Paper-2 - Fundamentals of Information Technology															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Student will have the knowledge of basic components of computer including peripheral devices and their working.		H					H	M	M						
CO2	Student will know the evolution of programming languages.	H			M			H	M	M						
CO3	Student will have basic knowledge of software code converting tools.				M			H	M	M						
CO4	Student will have basic knowledge of network terminologies and devices, network architecture and protocols.	H						H	M	M						
B.Sc. Sem II	Course Name - Paper-1- Object oriented programming using 'C++'															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students will have detailed knowledge of object oriented programming.	H	H	H	H	M	M	H	M	H	M					

CO2	Students will have thorough understanding of constructors, destructors, inheritance and polymorphism which lay a good foundation for mastering other programming languages like java and .net	H	H	H	H			H	M	H	M					
CO3	Students can describe and apply the concept of function overloading, operator overloading and virtual functions.	H	H	H	H			H	M	H	M					
CO4	Students can manage memory using dynamic memory management techniques.	H	H	H	H			H	M	H	M					
B.Sc. Sem II	Course Name - Paper-2 -System Analysis and Design	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students can understand how to analyse the existing systems and develop requirements for new systems considering software reusability.	H		H	H			H	M	M	H					
CO2	Students can understand use of various data collection methods for collecting data for creating new systems.	H	M	H	H	H		H	M	M	H					

CO3	Students can learn the use of structured tools and techniques to analyse the data.	H	M	H	H	H	M	H	M	M	H					
CO4	Students can understand how to design, code, test and implement the new system and also can access the software reliability and quality.	H		H	H			H	M	M	H					
B.Sc. Sem. III	Course Name - Paper 1 -Data Structures	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students can understand the importance of data structures in developing and implementing efficient algorithms.	H	H	H	H	H	H	H		M	H					
CO2	Students can select an efficient data structure in terms of time and space for any application as they have thorough knowledge of linear and non-linear data structures namely arrays, linked list, stack, queues, trees and graphs.	H	H	H	H	H	H	H	M	M	H					

CO3	Students can solve problems using recursion they can also convert arithmetic expression to easily parsable, parenthesis-less prefix and postfix form using stacks.	H	H	H	H	H	H	H	M	M	H					
CO4	Students can have good knowledge of various sorting techniques and its efficiency.	H	H	H	H	H	H	H	M	M	H					
B.Sc. Sem	Course Name - Paper-2 - Operating Systems	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students are able to understand history of operating systems leading to current form.	H			H			M	M	H						
CO2	Students are able to understand the structure, function and components of operating systems.	H	H		H			M	M	H						
CO3	Students can understand Memory, I/O and File management techniques and various CPU scheduling algorithms.	H	H	L	H		M	M	M	H						

CO4	Students can understand methods for performance comparison of CPU scheduling algorithms, concept of deadlock, its detection, prevention and recovery.	H	H	L	H		M	M	M	H						
B.Sc. Sem. IV	Course Name - Paper - 1 -Java Programming	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students can identify classes, objects, members of a class and relationships among them needed for a specific problem.	H	H	H	H		H	H	H	M						
CO2	Students can write Java application programs using the concept of inheritance, interfaces, packages, abstract classes and threads.	H	H	H	H		H	H	H	M						
CO3	Students can write programs to implement error handling techniques using exception handling.	H	H	H	H		H	H	H	M						
CO4	Students can write event driven applets and applications using AWT.	H	H	H	H		H	H	H	M						
B.Sc. Sem. IV	Course Name - Paper 2 - Linux Operating Systems	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

CO1	This course introduces the student to the Linux Operating system with a particular emphasis on command line tools, utilities and shell scripting.	H		H	M			M		M						
CO2	Students can backup and restore file system using simple tools, compress, expand and share files using tools.	H	H	H	M			M		M						
CO3	Students can efficiently manage the disk space using various commands.	H	H	H	M			M		M						
CO4	Students will have knowledge of various desktop environments like KDE and Genome.	H			M	M										
B.Sc. Sem. V	Course Name - Paper 1 - Visual Basic Programming	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students can learn and use modern integrated development environment to create programs with attractive graphical user interfaces along with basic programming constructs.	H	H	H	H			H	M	M	H					

CO2	Students can understand and use the event-driven model that is useful for creating windows-based applications.	H	H	H	H		M	H	M	M	H					
CO3	Students can learn to create and update databases through VB Programs using DAO and ADO data controls.	H	H	H	H	H		H	M	M	H					
CO4	Students can learn how to generate data reports that are very much essential in business applications.	H	H	H	H	H		H	M	M	H					
B.Sc. Sem. V	Course Name - Paper-2 - Database Management System	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students can gain knowledge of DBMS architecture and components and the roles of various personnel involved in data base management system.	H		H		H		H	M	M	H					

	Students gain good knowledge of data models like E-R Models and Relational models which show how data is stored, connected, accessed and updated in the database management system.															
CO2		H	L	H	M	H		H	M	M	H					
CO3	Students can gain knowledge about Functional Dependency (FD) which determines the relation of one attribute to another attribute in a database management system (DBMS) system.	H	M	H	M	H		H	M	M	H					
CO4	Students can learn to minimize or eliminate redundancy in database tables using various normal forms.	H		H		H		H	M	M	H					
B.Sc. Sem	Course Name - Paper 1 -Compiler Construction	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students can have good knowledge of major phases of compilation.	H		H	M			M		M						

CO2	Students can gain knowledge of lexical and syntactic structure of the programming language. Students can know about design and implementation of lexical analysers.	H		M	L	M	M	M		M						
CO3	Students can explain the role of a parser in a compiler and relate the yield of a parse tree to a grammar derivation along with various parsing techniques.	M		H	M			M		M						
CO4	Students can gain knowledge of various code optimization techniques they can learn how to apply the code generation algorithms to get the machine code for the optimized code.	H		H	M			M		M						
B.Sc. Sem. VI	Course Name - Paper 2 - SQL and PL/SQL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students can master over various commands used in SQL to define, control and manipulate data to control transaction in a database.	H		H	M	H		H	H	M	H					

CO2	Students can gain knowledge of views to accelerate data analysis and provide extra data security.	H		H	H	H		H	H	M	H						
CO3	Students can learn exception handling, Cursors and Procedures in PL/SQL.	H		H	H	H		H	H	M	H						
CO4	Students can learn function handling and triggers in PL/SQL.	H		H	H	H		H	H	M	H						
Name of Program B.Sc (BOTANY)																	
Number of courses(Subjects) - 12																	
Program Outcomes																	
PO1	Knowledge and understanding of : The students will be able to get knowledge and understandthe range of plant diversity in terms of																
PO2	Intellectual skills: The students will be able to understand the evolving																
PO3	Practical Skill :Students will be learn to carry out practical work In plant																
PO4	Transferable skills : Students will Be able to use Library , Use of IT, To																
PO5	Scientific Knowledge : To apply the knowledge of basic science, life																
PO6	Problem analysis :Students will Identify the taxonomic position of																
PO7	Design of solutions: Students will learn to design solutions from																
PO8	Botanist & society :Students will learn to Apply reasoning informed by																
PO9	Modern tool usage: Students will Create, select, and apply appropriate																
PO10	Environment and sustainability: Students will know to understand the																
Program Matrix																	
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																	
Course Outcomes (COs)		Program Outcomes (POs)															
		Domain Specific(PSO)			n Independent (PO)												
B.Sc.SEM	Paper -1 viruses, prokaryotes and algae & Biofertilizers	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	Students will be able to:Understand the basic concept of bacteria, virus and mycoplasma.	H						M				H					

CO2	Student will understand types of bacteria, viruses and mycoplasma, Classification and general characteristic of Algae.	H					L								H	
CO3	Students will analyze economic importance of bacteria, virus and algae.	H					H				M					
CO4	Students will develop skilled in preparation of Biofertilizers for self employment	H					H				M					
B.Sc.SEM	Paper 2 - (Fungi, Lichen, Plant Pathology ,Bryophyte & Mushroom cultivation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students will be able to Compare lower group of plants with higher.	H					M				H					
CO2	Students understand Fungi ,Lichen, Plant diseases and Bryophytes & Identify the different plant diseases.	H					L								H	
CO3	Economic importance fungi, lichens and bryophytes & discuss the classification of fungi and Bryophytes.	H					H				M					

CO3	students will Describe the parts of flower.	H					H					M				
CO4	Floriculture is encouraged students employment opportunities.	H					H								M	
B.Sc.SE M.3	Paper 1 - Angiosperm systematics, Embryology & indoor Gardening	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students will be able to describe general taxonomic rule of plant classification.	H					M					H				
CO2	Justify the merits and demerits of systems of classification & Understand the fossil angiosperm sahanianthus	H					L								H	
CO3	Discuss the principal of botanical nomenclature.	H					H					M				
CO4	Will develop indoor gardening & Land scaping techniques.	H					H					H				
B.Sc.SE M.3	Paper 2 Angiosperm anatomy & Horticulture	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students will be able to Classify the meristimatic and permanent tissue based on origin and position.	H					M					H				

CO2	To Understand primary,secondary and anomalous ,anatomical structure of plant parts.	H					L									H	
CO3	To Compare the different theories of tissue.	H					H					M					
CO4	Techniques of Bonsai preparation .	H					H					H					
B.Sc.SE M.4	Paper 1 Cell Biology,Plant breeding,Evolution & Seed technology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	Students will be able to Describe the structure of plant cell and its organelles.Explain the plant cell-division and its significance.	H					M					H					
CO2	To Understand the method of plants breeding.	H					L									H	
CO3	To Evaluate the biostatic formulas.	H					H					M					
CO4	Students will understand seed technology,methods of seed production,seed testing	H					H					H					
B.Sc.SE M.4	Paper 2 Genetics , Molecular Biology& plant Nursery	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	Students will be able to describe the laws of mendelism.	H					M					H					

[illegible]

CO3	Students will be able to plant adaptation & Biogeo chemical cycle	H					H					M				
CO4	Students will understands the methods of preparations of Vermi compost & its type.	H					H					H				
B.Sc.SE M.6	Paper -1 Biochemistry ,Biotechnology & Herbal technology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students will understand plant tissue culture technique and its application.	H					M					H				
CO2	Students will understand the advantages and disadvantages of genetic-engineering.	H					L								H	
CO3	Students will understand the mechanisms of Enzyme action	H					H					M				
CO4	Students are able to grow Herbal plants & there uses	H					H					H				
B.Sc.SE M.6	Paper -2 Phytogeography, Utilization of plants techniques & pharmacognosy	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Students will able to compare the various Phytogeographic regions of india.	H					M					H				

CO2	Students will explain different types of environmental pollution and its management. & Understand about the renewable and non-renewable natural sources.	H				L								H
CO3	Sudents will learn Microscopy Techniques.	H				H					M			
CO4	Sudents will learn Methods of Drug evaluation & biological testing of Herbal Drugs.	H				H					M			

Name of Program : B.Sc. PHYSICS

Number of courses(Subjects) - 12

Graduate Attributes: Knowledge Comprehensive, Critical Thinking, Problem Solving, Te

Program Outcomes

PO1	Demonstrate, solve and an understanding of major concepts in
PO2	Create an awareness of the impact of Physics on the society and
PO3	Employ critical thinking and the scientific knowledgeto design, carry out
PO4	Create strong interest in Physics so as students can further develop
PO5	Adopt to sustain in emerging era and constantly upgrade skills towards
PO6	Understanding basic principles of Physics which are underlying a wide

Program Matrix

Name of Program - B.Sc.- (Physics)

(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)

Course Outcomes (COs)		Program Outcomes (POs)														
		Domain Specific (PSO)				Domain Independent (PO)										
PH- 101	Paper-1 - Properties of Matter and Mechanics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

[illegible]

[illegible]

[illegible]

CO4	Understand the concept of Laser, Different types of lasers, applications of lasers	H	H	H	H	H	H									
PH - 402	Paper-2 - Solid state Electronics and molecular Physics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Know the concept of semiconductors, LED, Solar cell, transistors and its characteristics, Transistor as an amplifier, H-parameter	H	M	M	M	H	M									
CO2	Familiarize with JFET and its characteristics, JFET as an amplifier, parameters of JFET, Enhancement and depletion MOSFET	H	M	H	M	H	M									
CO3	Understand the concept of molecular physics, Rotational Vibrational spectra, Born Oppenheimer approximation	M	H	M	H	H	H									
CO4	Familiarize with Raman Effect, applications of Raman Effect, NMR, ESR and their applications in spectroscopy.	H	H	H	M	H	H									
PH - 501	Paper-1 - Atomic physics, free electron theory and Statistical physics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

[illegible]

[illegible]

CO4	Familiarize with biophysics, ECG, EEG, ERG and sonography know basic concepts of colorimeters, spectrophotometers, pH meter	M	H	H		M	H												
PH - 602	Paper-2 - Electronics, Fiber optics, Communication and Digital electronics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CO1	To become familiar with amplifiers, classification of amplifiers, Basic ideas of Op-Amp Phase shift oscillator, Hartley oscillators, Colpitts oscillator	H	M	M	M	H	M												
CO2	Familiarize with optics fibre, types of optics fibre, Acceptance angle and numerical aperture, electrical and optical band width	H	M	H	M	H	M												
CO3	To familiarize with communication system, Amplitude modulation, Frequency modulation	M	H	M	H	H	H												
CO4	Familiarize with different number system, addition and subtraction of binary numbers, Logic gates, Boolean Algebra	H	H	H	M	H	H												
Name of Program- B.Sc. (Biotechnology)																			
Number of courses(Subjects) - 12																			
Targed Graduate Attributes - Scientific Thinking, Reasoning, Practical Skills,																			

Program Outcomes																
PO1	To exhibit ,solve and understanding of major concept in all disciplines of															
PO2	Apply Knowledge and principles of biological science to address the															
PO3	To Prove work for critical thinking and scientific knowledge to design															
PO4	Create an awareness of the impact of biotechnology on environment,															
PO5	Find out non-conventional route for biological reaction for sustainable															
PO6	To develop the scientific nature in the students and outside the															
PO7	Use modern techniques, well standard equipment and instruments.															
PO8	Gain the the knowledge of Biotechnology through the theory and															
PO9	Identify the societal problem and solve it.															
PO10	Explain and understand the good laboratory practical and safety.															
PO11	Develop research orientation courses and skills.															
PO12	Motivating to undergo for higher studies in the field of Biotechnology.															
Program Matrix																
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																
Course Outcomes (COs)		Program Outcomes (P														
		Domain			Domai											
B.Sc Sem I	Paper-I - Microbiology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To get knowledge of history and development in Microbiology, also to learn about staining techniques and microscopy.	H														
CO2	To study the morphology and subcellular structures of bacteria. To study in detail bacterial cell wall, flagella , fimbriae, plasmids and its types, Endospore formation, germination and basis of resistance				H			H		H		H				
CO3	To get brief idea about Bergey's mannual. To learn about archaea, its types, cell membrane, types viruses, lytic cycle and lysogeny															

CO4	To study about classification and nutritional requirements of bacteria and types of media															
B.Sc Sem	Paper- II - Macromolecules	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learn the basics of nucleic acid, DNA model, forces stabilizing DNA, Maxam and Gilbert DNA sequencing and structure of tRNA	H						H								
CO2	Learn the concepts of prokaryotic and eukaryotic genes and chromatin structure															
CO3	Learn the basic structure of amino acids, classifications, properties, reactions, titration curves and primary structure of proteins															
CO4	Learn the secondary, tertiary and quaternary structure of proteins			H				M								
B.Sc Sem II	Paper - I - Microbiology & Cell Biology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To study about microbial growth and its measurement. To learn about physical conditions required for microbial growth.											H				

CO2	To study in detail microbial control. To learn about mechanism of cell injury. To study about different types of microbial control.		M													
CO3	To study about cell biology of eukaryotic cell. To get knowledge about structure and functions of its components.												H			
CO4	To study in detail about plant cell wall. To get brief idea about mitosis and meiosis and cell cycle. Learn about muscle and nerve cell structures, synaptic transmission and neuromuscular junctions.					M		M			H					
B.Sc Sem	Paper- II- Cell Constituents & Enzymology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learn the classification, nomenclature and structures of carbohydrates				H					H			M			
CO2	Learn the types of lipids, structures of saturated and unsaturated fatty acids, Terpenoids and Isoprenoids, concept of acid value, saponification value and iodine value.									L			L			

CO2	To study about application of UV and visible spectrophotometer. To study principle ,instrumentation and application of slectrofluometry absorption and Emission Flame photometry,IR and mass spectrometry.	M			M		H		H		M					
CO3	To learn basic concept of Chromatography. It's various types, their working and applications.				H				H							
CO4	To learn in detail about principle and applications of Ion-exchange chromatography, Affinity chromatography and High pressure liquid chromatography.															
B.Sc Sem	Paper- I - Immunology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Understand the basic concept of immune system of human beings															
CO2	Learn the structure of Antibody its classes, major histocompatibility complex & mechanism behind immunogenic responses							M			M	M				
CO3	Understand the concept of Hypersensitivity, Vaccination		H				H		H							

CO4	To study the antigen-antibody interaction and different assays and different assays and application in diagnosis and monoclonal antibody production.			L						M			H				
B.Sc Sem IV	Paper- II - Biostatistics and Biophysical Techniques 2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	To learn about electrophoresis and factors affecting its mobility. To study about paper electrophoresis, Ellulose Acetate electrophoresis High voltage electrophoresis ,Gel electrophoresis.		M	L			L			H							
CO2	To learn about SDS PAGE, Isoelectric focussing, pulse field gel electrophoresis,their principle,working and applications.																
CO3	To study about Isotopic Tracer technique. To study about radioactive and stable isotopes, measurement of radioactivity, Measurement of stable isotopes, principles of Tracer technique.		H		L			H				H	H				

CO4	To know the concept of centrifugation, principle, working and types. To study about Biostatistics.															
B.Sc Sem V	Paper I - Molecular Biology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learn molecular events in the DNA replication and role of different enzymes.															
CO2	Understand the basic concept of mutation, DNA repair and recombination.															
CO3	Study the overview of central dogma of life.		M				M			M		M				
CO4	Describe the process of transcription and its regulation															
B.Sc Sem V	Paper II - Molecular Biology and rDNA Technology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learn the concepts of genetic code, decoding system, codon - anticodon interaction and selection of initiation codon															
CO2	Learn the initiation, elongation, termination and regulation of translation			H					H			H				
CO3	Learn the DNA cloning, various vectors, cutting and joining of DNA, selection and screening methods					L				L						

[illegible]

(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																	
Course Outcomes (COs)		Program Outcomes (POs)															
		Domain				Domain Independent (PO)											
CH-101	Paper- 1 - Inorganic Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand the structure of atom	H				M					M						
CO2	The students will be able to understand the background of bonding forces	H				M					L						
CO3	The students will be able to understand the concept of S & P block elements.	M				M	M		M								
CO4	The students will be able to identify food adulteration		M									M			M		
CH-102	Paper- 2- Physical Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand the basic concept of thermodynamics.	M		M						M		L					
CO2	The students will be able to understand various laws of ideal and real gases.	M															
CO3	The students will be able to understand different properties of liquids		L		L					L					L		
CO4	The students will be able to understand role of various catalysts in chemical reaction.		M							L		L	L				

CH-201	Paper- 1- Organic Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand bonding in organic compound and general organic chemistry.	M				M	L										
CO2	The students will be able to understand concept of isomerism and stereochemistry	M				M	L										
CO3	The students will be able to understand the concept of alkanes and alkenes.	L	L							M			M				
CO4	The students will be able to understand atomicity.	L	L							M			M				
CH-202	Paper- 2- Physical Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand the various energy concepts.	M				M	M	M									
CO2	The students will be able to understand the Phase rule.	M				M	M										
CO3	The students will be able to understand the concept of kinetics of chemical reactions.	M				M	M										
CO4	The students will be able to identify concept of nuclear and environmental chemistry.		L	L						M						M	

CH-301	Paper- 1 - Inorganic Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand the VSEPR and MOT	M				M		M									L
CO2	The students will be able to understand the chemistry of transition series .	M				L								L			
CO3	The students will be able to understand the chemistry of lanthanides and actinides	M				L								L			
CO4	The students will be able to understand error in chemical analysis.	M	L	L		M	L	L				L					
CH-302	Paper- 2- Organic Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand activating and deactivating group.	M				M							L				
CO2	The students will be able to understand the method of preparations and reactions of alcohols and phenols.	M	L			M				L			L			L	
CO3	The students will be able to understand the method of preparations and reactions of aldehydes and ketones.	M	L			M				L			L			L	

CO4	The students will be able to understand mechanism in acid and esters.	M	L			M				L			L			L	
CH-401	Paper- 1 - Inorganic Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand coordination compounds.	M				M								M			
CO2	The students will be able to understand the concept of isomerism of complex.	M				M								M			
CO3	The students will be able to understand the concept instruments.	M	L	L	L	M					M	M					L
CO4	The students will be able to identify various parameters of water.	M	L	L	L	M					M	M					L
CH-402	Paper- 2-Physical Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand the structure of crystals.	M				M		L									L
CO2	The students will be able to understand the concept of transport number.	M				M	L	L									
CO3	The students will be able to understand the concept of Spectroscopy of molecules.	M	L	L	L	M					M	M					L

CO3	The students will be able to understand the concept of photochemistry and Raman spectroscopy.	M	L	L	L	M					M	M					L
CO4	The students will be able to understand the concept of macromolecules.	M			M	M	L	L	L								L
CH-601	Paper- 1 - Inorganic Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand bonding and electronic spectra of transition metal complexes.	H				H	L	L						M	L		M
CO2	The students will be able to understand thermodynamics and kinetic properties of transition metal complexes.	H				H	L	L						M	L		M
CO3	The students will be able to understand the concept of organometallic chemistry.	M	L	L	L											L	L
CO4	The students will be able to understand HSAB.	M	L	L	L	M					M	M					L
CH-602	Paper- 2- Organic Chemistry	1	2	3	4	1	2	3	4	5	6	7	8	9	10	11	12
CO1	The students will be able to understand NMR and IR of various organic compounds.	M	L	L	L	M					M	M					L

CO2	The students will be able to understand organic synthesis via enolate ions.	M	L	L	L	M		M			L					L
CO3	The students will be able to understand the concept of proteins, fats and oil.	M	L	L	L	M		M			L					L
CO4	The students will be able to understand concept of green chemistry, dyes and drugs.	M	M	M	M	M			M	M					M	M

Name of Program : B.Sc (Microbiology)

Number of courses(Subjects) - 12

Targed Graduate Attributes - Technical knowledge, laboratory rules and ethical

Program Outcomes

PO1	It will present the study of microorganisms, contribution of various scient
PO2	Students will acquire competency in laboratory safety and specialised skill
PO3	Course emphasizing morphology and distribution of microorganisms in ad
PO4	Students will acquire detail knowledge about industrial production of enzy
PO5	students will be able to understand the role of drug in disease control and
PO6	These course will help to understand the concept of disease development
PO7	the students will be able to obtain the advance knowledge to work in fern
PO8	Students will help to understand the basic concept of immunology
PO9	the students will able to obtain the basic concepts of biotechnology and r
PO10	This program will help to understand various industrial fermentation and
PO11	This program will help to understand the detail knowledge about food Mi
PO12	Students will acquire compentacy in laboratory instruments which include

Program Matrix

Name of Program - B.Sc. (Microbiology)

(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)

Course Outcomes (COs)	Program Outcomes (POs)									
	Domain Specific(P SO)	Domain Independent (PO)								

B.Sc. Sem	Course Name - Paper-1 -Fundamentals of Microbiology																
		1	2	3	4	5	6	7	8	9	10	11	12				
CO1	Students will be able to understand the structure of bacterial cell, gram positive and gram negative cell wall, bacterial cell wall composition, structure of bacterial cell wall and compare the difference of bacterial cell with plant and animal cell.	H					M					H					
CO2	They will be able to understand the knowledge of history and development of microbiology, discovery of microbes, theory of biogenesis and abiogenesis	M					L										
CO3	These course will help to understand the basic nutritional requirement of microorganisms, nutritional type of bacteria, types of culture media for microbes	H					H					H					

CO4	It will help them to learn about bacterial reproduction, bacterial growth curve, concept of chemostat and turbidostat. Concept of synchronous growth, diauxic growth and factors influencing microbial growth.	H						H				M			
B.Sc. Sem	Course Name - Paper 2 - Basic techniques in microbiology														
CO1	This course will help to acquire the knowledge of Microscopy and its types such as bright field, dark field, phase contrast, fluorescent microscopy and electron microscopy and its types- transmission and scanning electron microscopy. Staining, microbial structure, sterilization will also be studied.	H	L						H			M			

CO2	Students will be able to understand techniques in Microbiology like various staining techniques such as gram, acid fast, capsule, endospore staining and also about various stains, dyes and its types	H		H	H										
CO3	To learn about Isolation of pure culture by various methods and determination of nutritional requirement by auxanographic, replica plating, multipoint inoculator technique. Also, it will help to learn measurement of growth and preservation of microorganisms.	M			L							H			
CO4	It will help them to understand the terms and definitions used in microbial control, microbial death, ideal antimicrobial agent, physical and chemical agents; its types, modes of action and its applications, mechanism of cell injury and mode of action of chemotherapeutic agents.	L		M		M						M			

B.Sc. Sem	Course Name - Paper 1 -Microbial Diversity															
CO1	This course will give the information about- prokaryotic microbes, general characteristics of Proteobacteria, Mycoplasma, Rickettsia, Chlamydia and characteristics of anabena, streptomyces and their application, types of archae bacteria, methanogenic bacteria.	H					M						H			
CO2	This course will help to learn about Eukaryotic microbes- general characteristics of fungi, yeast, algae and protozoans	H					M									
CO3	It will give the knowledge about Discovery of Viruses, its general structure, symmetry and classification, its cultivation and detection of viral growth, lytic and lysogenic cycle.	M					M						H			

CO4	Students will be able to understand the microbial interaction such as positive and negative interaction, protist-protist interaction, protist plant, protist-animal interaction.	H						H						L			
B.Sc. Sem	Course Name- Paper 2 - Food Microbiology and Milk Microbiology																
CO1	Students will be able to understand - Classification of food on the basis of ease of spoilage, sources of microorganisms in food; spoilage of vegetable, meat and canned food- factors responsible for spoilage and types of spoilage.	H						M						H			
CO2	General principles of food preservation, food preservation by physical methods such as by low and high temperature, preservation of food by chemical methods, mode of action and application of food preservation.	M						M						H			

CO3	Composition of milk, sources of microorganisms in milk, types of spoilage of milk and milk products, preservation by pasteurization, determining the quality of milk by plate count and MBRT. Production of milk products such as curd, cheese.	H						H					M			
CO4	To learns about Food poisoning such as food intoxication and food infection, aflatoxin, introduction to FDA, BIS and FSSAI. Introduction to HACCP.	M										M				
B.Sc. Sem	Course Name - Paper 1 - Chemistry of Organic Constituents and Enzymology															
CO1	To study classification of carbohydrates and its structures, osazone formation, it will help to acquire the knowledge of classification of lipids, structure of triglycerides, compound lipids, derived lipids	H							M	H						

[illegible]

[illegible]

CO1	Students will be able to understand the general strategy of metabolism, EMP pathway, TCA cycle and its regulations, ED pathway, Pentose phosphate pathway, PK pathway.	H						M				L			
CO2	This course will be able to understand the Beta and omega oxidation, replication of DNA and its modes, general features, enzymes involved in it. Rolling circle, knife and fork model.	L										M			
CO3	To learn about prokaryotic transcription- general features and enzymes involved in it and concept of reverse transcription.														
CO4	It will help to learn about amino acid breakdown, glucogenic and ketogenic amino acid and deamination, urea cycle, genetic code, prokaryotic translation.	H					M					H			

CO5	To learn about high energy molecule, substrate level phosphorylation, cyclic and non-cyclic photophosphorylation, process of oxidative phosphorylation and AT generation.	H								M		L			
B.Sc. Sem-IV	Course Name- Paper 2 -Environmental Microbiology														
CO1	To learn about significance of bacteriological analysis of water, indicators of excretal pollution, bacteriological analysis of water for coliforms and faecal streptococci- MTFT, MFT, to understand water treatment using SSF and RSF.	M										M			
CO2	This course will help to understand methods of chlorination, difference between faecal and non-faecal organisms, to learn about sewage type, concept of BOD, COD, ThOD, trickling filter, activated sludge, RBC, Sludge digester, oxidation pond, septic and Imhoff tank	L										M			

CO3	To learn about microbial analysis of air by settling plate and Anderson technique, concept of biopesticide, biofertilizer, mycorrhiza, to learn about microbial leaching of copper and uranium.	H											H				
CO4	This course will acquire the knowledge about food spoilage organism, canning process, pasteurization, low temperature and chemical preservation of food.	H											H				
Course Name- Paper 1 - Medical Microbiology																	
CO1	Students will be able to learn host parasite relationship, stages of diseases, mode of transmission of disease-causing agent.	H											M				
CO2	It will help to learn microbial mechanism of pathogenicity and normal flora of healthy human host along with study of infection causing microorganisms and the disease they cause.	H											H				

[illegible]

CO3	To understand the concept of chromatography its types, principle and procedure.to learn about UV-Visible spectroscopy and its applications, SDS PAGE, gel electrophoresis, etc.	M									L			
CO4	To understand isotopic tracer technique, principles of tracer technique, measurement of radioactivity, radioactive and stable isotopes.	H									H			
B.Sc. Sem-VI	Course Name - Paper 1 - Immunology													
CO1	It will help to understand general characteristics immune cells and its functions and defensive mechanism of host- first and second line of defence antibody reaction.	H					M				H			
CO2	It will help to study Types of Antigens, immune organs, structure and function of various immunoglobulins with their classes.	M					H				M			

CO3	It will help to understand the third line of defence mechanism of host, cell mediated immune response, Tcell biology, cytokines.	H						H				H			
CO4	to understand direct and indirect ELISA, Immunofluorescence, Concept of Hypersensitivity reactions, antigen antibody reactions.	M						M				H			
B.Sc. Sem-VI	Course Name - Paper 2 - Microbial biotechnology and recombinant DNA technology														
CO1	It will help to learn the tools and techniques in genetic engineering, DNA fingerprinting, PCR and its applications.	H									M	L			
CO2	It will provide the information of production of insulin, interferons, hybridoma technology, production of vaccines with the help of using genetic engineering .	H				L					H	M			

CO3	Students will be able to understand protoplast fusion, advantages of Biopesticide, Biofertilizers, Transgenic plants.	M										M				
CO4	It will help to understand role of Biosensors, nanobiotechnology applications, biochips, ethics and hazards of biotechnology.	H										M				
Name of Program: Mathematics																
Number of courses(Subjects) - : 12																
PO1	Enabling students to develop a positive attitude towards mathematics as															
PO2	A student should get a relational understanding of mathematical															
PO3	Ability to analyze a problem, identify and define the computing requirem															
PO4	Introduction to various courses like group theory, ring theory, field theor															
PO5	Enhancing students’ overall development and to equip them with															
PO6	Ability to pursue advanced studies and research in pure and applied math															
PO7	Know when there is a need for information, to be able to identify, locate,															
PO8	Formulate and develop mathematical arguments in a logical manner.															
PO9	Acquire good knowledge and understanding in advanced areas of mather															
PO10	Understand, formulate and use quantitative models arising in social scien															
Program Matrix																
Name of Program																
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																
Course Outcomes (COs)		Program Outcomes (POs)														
		Domain Specific(P SO)			Domai n Indepe ndent (PO)											
M-1	Paper- 1 - Elementary Mathematics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learn to solve system of linear equation.	H		M			M			H						
CO2	Learn to solve Diophantine equation.	H		M			M			M						

[illegible]

[illegible]

[illegible]

[illegible]

CO4	Determine whether a given sequence in a metric space converges	H					H												
M-11	Paper- 1 -Linear Algebra	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CO1	Introduction to vector space and subspace.	H		L			M				H								
CO2	About Llinier Transformations	H																	
CO3	To study space L(U,V)	H					H												
CO4	Use computational techniques and algebraic skills essential for the study of systems of Linear equations, matrix algebra, vector spaces.	H								H									
M-12	Paper- 2 - Special Theory of Relativity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CO1	To understand how the principle of relativity leads to time dilation and length contraction	H		M					M		H								
CO2	To explore relativistic energy and momentum	H					M												
CO3	About geometrical representation of space -time	H																	
CO4	To recognize the significance of Einstein's famous equation E = mc ² .	H		M							H								
Name of Program : B. Sc. ZOOLOGY																			
Number of courses(Subjects) - 12																			
Targed Graduate Attributes -Advanced independent critical enquiry, Analysis and																			
Program Outcomes																			
PO1	B.Sc. graduates would apply their expansive knowledge of Zoology, Life sc																		
PO2	The under-graduate programme is aimed at making student capable of co																		
PO3	Students are able to analyses simple as well as complex situations involv																		
PO4	Acquire the skills in handling scientific instruments, planning and																		

PO5	Develop the skill and ability to apply and understand the principles of vari															
PO6	Apply appropriate methods of research, investigation and design, to solve															
PO7	Compare and contrast the characteristics of animals that differentiate the															
PO8	Explain the origin of life with context to the origin of eukaryotic cell and th															
PO9	To study the interactions of biological, chemical, and physical features															
PO10	To get aware of the animal growth and development, metabolism and															
PO11	The students will aquire knowledge in cell biology, molecular biology,															
PO12	Illustrate zoological science for its application in branches like medical ent															
Program Matrix																
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																
Course Outcomes (COs)		Program Outcomes (POs)														
		Domain Specific(P SO)			Domai n Indepe ndent (PO)											
B.Sc. Sem-I	Paper–I: Life and Diversity of Animals Nonchordates (Protozoa to Annelida)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Describe the morphology,habit and habitat. Systematic position and various systems in animals.	H					M					H				
CO2	To reach out to their life cycles of key Animals and evolutionary aspects including the connecting animals between two phyla/groups	M					H					H				H
CO3	Describe the morphology, habit and habitat. Systematic position and various systems in Paramecium.	H					M					H				H

CO4	Enlist the examples of the phylums studied	H					H					H				H
B.Sc. Sem-I	Paper-II:Environment Biology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To understand the environment in different spheres like atmosphere, lithosphere and hydrosphere, zoological survey of India: formation and role in animal conservation and causes and effects of space pollution.	H					M					H				H
CO2	To technically/scientificall y make the students able to identify the non-chordate/invertebrate s and classify the upto the class level with the basis of systematic and to comment upon them.	M					H					M				H
CO3	To apply the scientific method and quantitative techniques to describe, monitor and understand environmental systems;	H					M					H				M
CO4	List the environmental challenges and their remedies	M					H					H				H

B.Sc. Sem-II	Paper - III : Life and Diversity of Animals- Non-chordates (Arthropoda to Hemichordate)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To make students familiar with the non-chordate (without cord) animals that surrounds us starting from arthropods to hemichordate group of animals;	H					M					H				H
CO2	To reach out to their life cycles of key animals and evolutionary aspects including the connecting animals between two phyla/groups;	H					H					M				H
CO3	Identify a range of invertebrate animals	H					M					H				H
CO4	Enlist the examples of the phylums studied	M					H					H				H
B.Sc. Sem-II	Paper- IV :Cell Biology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To label the various cell parts and understand the structure of living cell and its organelles in relation to structure and function in significant types of cells such as prokaryotic-and eukaryotic;-plant-and animal-cell;	M					H					H				H

CO2	To know the cellular cycle of propagation, cell-divisions (mitosis & meiosis), -ageing and-death with an elementary introduction of cancer and its causative agents;	H						M				H				M
CO3	To explain the ultrastructure and functions of various cell organelles.	M					H					H				H
CO4	Differentiate prokaryotic and Eukaryotic cells	H					M					H				H
B.Sc. Sem-III	Paper-V: Life and Diversity of Animals- Chordates (Protochordata to Amphibia)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To make students familiar with the chordate animals from protochordates to amphibian group of animals;	H					M					H				H
CO2	To reach out to their lifecycles of key animals and evolutionary aspects including the connecting animals between two phyla/groups;	M					H					H				H

CO3	To understand the process of development of animals; gametogenesis; fertilization; embryogenesis specially in frog including blastula, gastrulation and so on;	H					M				H					H
CO4	List the various animals in a given phylum	H					H				M					H
B.Sc. Sem-III	Paper-VI: Genetics	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To impart the basic knowledge of genetics and Mendelian-cellular and extracellular inheritance, linkage and crossing over concepts of genetic code and chromosomal aberrations, abnormalities and including applied aspects of genetics such as DNA fingerprinting, karyotyping used for identifying genetic disorders/syndromes, prepare stained slide of Giant Chromosome;	H					H				H					M
CO2	To solve the problems based on Sex linked inheritance, Monohybrid and dihybrid crosses and Hardy-Weinberg law;	M					L				H					H

CO3	State the animal classification	H					H					M				
CO4	Explain Mendel's principle, its extension and chromosomal basis and determination of gene action from genotype to phenotype and concepts of inheritance	H					M					H				H
B.Sc. Sem-IV	Paper-VII: Life and Diversity of Animals- Chordates (Reptilia, Aves and Mammals)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To make students familiar with the chordate animals including reptiles, birds and mammals;	H					M					H				H
CO2	To reach out to their lifecycles of key animals and evolutionary aspects including the connecting animals between two phyla/groups;	M					H					H				H
CO3	To understand the process of development of animals; embryonic membrane development; embryogenesis especiall in hen/fowl, mammalian placental structure ,functions and additionally stem cell concept;	H					H					M				H

CO4	List the various vertebrate animals in a given class	M					H					H				H
B.Sc. Sem-IV	Paper-VIII:Molecular Biology and Immunology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To have the elementary knowledge of molecular concept in biology including DNA ,RNA and recombination, replications and protein synthesis, the basic natural phenomena occurring inside the cell and immunological aspects of human antigens and antibodies and the immune responses through T cells, B cells, cytokines and immunedisorders;	H					M					H				H
CO2	Understand the relevance of regulation of gene expression in prokaryotes and eukaryotes	H					H					M				H
CO3	Illustrate the mechanism of replication, transcription and translation	M					H					H				H
CO4	List the primary and secondary immune organs	H					H					H				M

B.Sc. Sem-V	Paper-IX :GeneralMammalian Physiology I															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	To define the basic terms in physiology, list the various types of enzymes, anatomy of various systems, the physiological processes in mammals, to make them explore the general human physiology such as digestion, respiration, circulation and the enzyme and hormones involved in these processes;	H					M					H				H
CO2	To explain the tools and techniques used in aquaculture and agricultural practices;	H					M					H				M
CO3	Define the basic terms in physiology	H					H					M				H
CO4	Illustrate the reproductive cycles with hormonal control	M					H					H				H
B.Sc. Sem-V	Paper-X: AppliedZoologyI(Aqua cultureandEconomicE ntomology)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

CO3	Explain the procedure of preparing permanent histological slides	H					M				H					M
CO4	Explain the physiological processes in mammals	H					H				H					H
B.Sc. Sem-VI	Paper - XII : Applied Zoology II(Biotechniques, Microtechnique,Biotechnology,BioinformaticsandBiostatistics)															
CO1	To make students know about the another advanced applied aspects of zoology by studying the micro technique for section cutting, double staining and preparation of permanent slides for study and research purposes, different separation processes such as chromatography and electrophoresis, estimating different molecules of need through colorimeter spectrophotometer and regular basic bio-statistical, bio-technical and bio-informational tools for advance studies and research methodologies	H					H				M					H

CO2	Analyse the scope and applications of computational biology tools and databases in health care information systems	H					M					H					H
CO3	Solve statistical problems	H					H					M					H
CO4	Apply computer software for statistical analysis	H					H					H					M
Name of Program: B.Sc. I (Subject - Hindi)																	
Number of courses(Subjects) - 02																	
Targeted Graduate Attributes - छात्रों को हिंदी के व्यावहारिक ज्ञान से अवगत कराना,																	
Program Outcomes-																	
PO1	हिंदी साहित्य के माध्यम से छात्रों में सामाजिक प्रतिबद्धता का निर्माण करना ।																
PO2	हिंदी साहित्य में रुचि निर्माण करना ।																
PO3	भाषिक ज्ञान का विकास करना ।																
PO4	हिंदी साहित्य के माध्यम से जीवन तथा मानवी मूल्यों का ज्ञान ।																
PO5	हिंदी भाषण तथा लेखन कौशल में विकास करना ।																
PO6	हिंदी साहित्य की विविध विधाओं (कहानी, एकांकी,निबंध, काव्य आदि) का परिचय कराना																
PO7	प्रभावी सम्प्रेषण और रोजगार में सहायक ।																
Program Matrix																	
Name of Program - B.Sc. - I																	
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																	
Course Outcomes (COs) हिंदी		Program Outcomes (POs)															
		Domain Specific(PSO)			Domain Independent (PO)												
B. Sc. Semester I	हिंदी	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	हिंदी साहित्य की विविध विधाओं - कहानी, निबंध,व्यंग्य का परिचय, तथा साहित्य में रुचि निर्माण।	H	H	M	H	H	H	H									
CO2	कविताओं के माध्यम से विद्यार्थियों में देशप्रेम, प्रकृति प्रेम जागृत करना।	H	H	H	M	H	M	H									

CO3	जीवन वृत्त, साक्षात्कार द्वारा विद्यार्थियों को रोजगार मूलक ज्ञान, मार्गदर्शन करना। प्रतिवेदन, विज्ञापन द्वारा विद्यार्थियों को रोजगार मूलक ज्ञान, मार्गदर्शन करना।	H	M	H	H	H	M	H								
CO4	हिंदी व्याकरण का ज्ञान प्रदान करना, हिंदी साहित्य में रुचि जागृत करना।	H	H	M	H	H	H	H								
B.Sc.Sem ester II	हिंदी	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	हिंदी साहित्य की विविध विधाओं - कहानी, निबंध, व्यंग्य का परिचय, तथा साहित्य में रुचि निर्माण।	H	M	H	H	H	H	H								
CO2	कविताओं के माध्यम से विद्यार्थियों में देशप्रेम, प्रकृति प्रेम जागृत करना।	H	H	H	M	H	M	H								
CO3	प्रतिवेदन, विज्ञापन का महत्व समझना तथा रोजगार मूलक मार्गदर्शन करना।	H	M	H	H	H	M	H								
CO4	हिंदी व्याकरण के ज्ञान में विकास करना एवं रुचि जागृत करना, राजभाषा, राष्ट्रभाषा तथा संपर्क भाषा का जीवन में महत्व समझना।	H	H	M	H	H	H	H								

Santaji Mahavidyalaya, Nagpur									
Program Outcomes									
Name of Program- B.Sc. (English)									
Number of courses(Subjects) - 04									
Targed Graduate Attributes - Disciplinary Knowledge, Critical Thinking,									
Program Outcomes									
PO1	Able to learn key concepts in English language.								
PO2	Gain the knowledge of grammar rules and composition.								
PO3	Able to communicate with confidence with simple and correct language.								
PO4	Participate in group discussion, seminars and debates.								
PO5	Effective communication is an essential part of life this course helps to								
PO6	Criticaly analyze the text prescribed for the study.								
PO7	Critical appreciation of the poems prescribed for the study.								
Program Matrix									
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)									
	Program Outcomes (POs)								

Course Outcomes (COs)		Domain Specific(PSO)				Domain Independent (PO)										
B.Sc. SEM I	COMPULSORY ENGLISH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learn hard work is the key to success and nothing in the world is impossible.	H	H	H	M	H	H	M								
CO2	Learn that success is about the vision and ability to rise above pain.	M	H	H	H	H	H	H								
CO3	This syllabus has been carefully framed with selections of verse that would encourage students to reflect and express themselves creatively and effectively	H	H	H	H	H	H	H								
CO4	To improve reading, writing and speaking skills, as well as vocabulary	H	H	H	M	H	H	H								
B.Sc. SEM II	COMPULSORY ENGLISH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learn how grassroots innovations can bring a big change in lives of common people.	H	H	H	H	H	H	H								

CO2	Learn and understand the fact that with tenacity and ambition one can achieve what one wants in life	H	H	H	H	H	M	H								
CO3	The strong message that touches the life of common people conveyed through the poetry section will have a positive impact on the minds of the learners.	H	H	H	H	H	M	H								
CO4	To Learn and understand the steps to write Curriculum Vitae ,paragraph writing and phrasal verbs.	H	H	H	M	H	H	H								
B.Sc. SEM I	SUPPLEMENTRY ENGLISH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	The moral imparted in Prose will have an positive impact on the mindset of the students.	H	H	M	H	H	H	H								
CO2	The learners will learn lessons of morality and humanity	H	H	H	H	H	H	H								
CO3	To boost confidence about vocabulary such as common foreign words,one word for a group of word , idioms and ohrases	H	H	H	H	H	H	H								

CO4	To boost confidence about narration skills and email drafting techniques	H	H	H	H	M	M	H											
B.Sc. SEM II	SUPPLEMENTARY ENGLISH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CO1	To make the learners understand the role of the element of humour in conveying a lesson	H	H	H	M	H	H	H											
CO2	To encourage the learners to nurture aspirations to be successful in their lives after reading about the lives of people who made an everlasting impact.	H	H	H	H	H	H	H											
CO3	Formal written communication will also be the focus to enable them to write formal letters, Application etc.	H	H	H	M	H	H	H											
CO4	The power of expression of the learners will get enhanced through the Grammar and Composition Section	H	H	H	H	H	H	H											
B.Sc.-I (Marathi)																			
duate Attributes -मराठी भाषेतील व्यावहारिक ज्ञान, भाषिक कौशल्या, विविध साहित्य प्रकारांचा परिचय																			
Program Outcomes																			
PO1	मराठी भाषेतील प्रमुख अभिजात साहित्याचा व साहित्यिकांचा परिचय घडावे																		
PO2	मराठी भाषा आणि साहित्य यासंबंधीचे आवड निर्माण करणे																		
PO3	विद्यार्थ्यांच्या साहित्यिक व कलाविषयक अभिरुचीचा विकास करणे																		
PO4	साहित्य अभ्यासातून जीवनविषयक व समाजविषयक जाणीव विकसित करणे																		
PO5	समकालीन स्पर्धेच्या व इंग्रजी भाषेच्या अतिक्रमणाच्या स्थितीत मराठी भाषेचे स्वतःचे स्थान जाणवणे																		
PO6	भाषा व्यवहारासाठी आवश्यक ती लेखन ,भाषण,वाचन हे कौशल्ये विकसित करणे																		
PO7	भाषिक कौशल्याचे विविध आविष्कार आणि संपर्क प्रसार माध्यमे यांचा परस्पर संबंध जाणवणे																		
PO8	भाषेचे तसेच साहित्याचे आकलन आणि जीवन व्यवहारात उपयोगी उपयोजन करणे																		

[illegible]

CO3	लेखन -आधुनिक युगात प्रसार माधामांचे महत्व	M			H			H				H			M
CO4	भारतीय सौविधानाची विज्ञाननिष्ठा -यशवंत मनोहर ,भारतीय सौविधानाने दिलेली आदर्श जीवनमूल्ये विश्वातील आहेत, हि श्री ची इच्छा -श्रीनिवास ठाणेदार ,यांच्या उद्योग प्रवासातील अनुभव	H				M					L			H	
B.SC सत्र २	मराठी														
CO1	१.अखेरचे कीर्तन -संत गाडगे बाबा ,मानवी जीवनाचे खरे सार्थक पटवून देणारे कीर्तन आजही बोधप्रद आहे २.एक राष्ट्र एक जनता वी .भी कोलते ,विशिष्ट पातळीवर एकात्मता जपली पाहिजे हा संदेश ३.अपंग शाही चे पंतप्रधान -मधुकर केचे ,बाबा आमटे यांच्या कार्य कर्तृत्वाचा आढावा	H			M			H			L				H
CO2	१.भंगू दे काठीण्य माझे मर्ढेकर यांनी सर्वस्व समर्पणाची आत्मिक विकासाची अपेक्षा व्यक्त केली आहे														
			M				H			H			M		L
CO3	१.व्यावहारिक मराठी २.अनुवाद प्रक्रिया - अनुवादाचे आजच्या	L					M			H				H	M

CO4	भरती-वसंत वराडपांडे ,व्ययक्तिक सुखादुखातून देश पातळीवर विचार करणारा नायक, जयंत नारळीकर यांनी कोणत्याही विधानातील सुस्पष्ट आणि त्याची तावूनसुलाखून केलेली पारख यावर	H			M		H				L			H
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Name of Program- Bachelor of Commerce (English)

Number of courses(Subjects) - 50

Program Outcomes	
PO1	Students learn the adjustments of all types of accounts, Production and various cost for all types of business units.
PO2	Student is able to apply micro and macro economic techniques.
PO3	Student will equipped with practical knowledge of various important marketing platforms.
PO4	Students learn to demonstrate the roles, skills and functions of management required for business.
PO5	Student is able to demonstrate an understanding the measures of central tendency and business mathematics
PO6	Student interprets the importance of Information Technology Enabled Services
PO7	Students will be able to learn all the banking services provided by bank and other financial institutions.
PO8	Student will able to explore skill development techniques
PO9	Students explore the legal aspects of business and gain basic conceptual knowledge of various law.
PO10	Student learn the concept of direct and indirect tax .
PO11	Student generates thereports by verification and reconciliation of books of accounts and various financial statements
PO12	Student understand the various government schemes and government initiatives for the start Ups and existing units.
PO13	Student will be able to learn and apply various languages in their communication related subject.

Program Matrix

(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)															
Course Outcomes (COs)		Program Outcomes (PO)													
		Domain Specific(PS O)				Domain Independent (PO)									
Code	Course Name -	1	2	3	4	5	6	7	8	9	10	11	12	13	
1T3	COMPULSORY ENGLISH														
CO1	Contextualizing the lessons with the contemporary social situations													H	
CO2	Learn and understand the fact that with tenacity and ambition one can achieve what one wants in life													H	
CO3	To make the students understand how emotional elements can be arisen through poems.													H	
CO4	Writing skills will be improved by making the students learn different words and their use													H	
1T4.1	Supplementary English	1	2	3	4	5	6	7	8	9	10	11	12	13	
CO1	Able to learn listening skill with prescribed story													H	
CO2	Able to learn how team work lead to success													H	
CO3	Able to develop different aspects of emotional intelligence among students													H	
CO4	Enhances assertive skill in different life threating situation													H	
1T4.2	Hindi	1	2	3	4	5	6	7	8	9	10	11	12	13	
CO1	निबंध विधा का परिचय देना, लेखन कौशल का विकास करना।													H	
CO2	हिंदी साहित्य की विविध विधाओं - कहानी, निबंध,व्यंग्य का परिचय, तथा साहित्य में रुचि निर्माण।													H	
CO3	कविताओं के माध्यम से विद्यार्थियों में देशप्रेम, प्रकृति प्रेम जागृत करना।													H	

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1T1	Fundamentals of Accounting	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Basic knowledge of accounting is provided and its application in the books of accounts.											M		
	Student is able to prepare the financial statement of sole tradership.											M		
CO3	Student is able to prepare branch account, cash and credit sales etc.	H												
CO4	Student is able to prepare the books of accounts of cooperative socy.	H												
1T2	Business Economics I	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Student will able to classify fundamental problems of an economy.			H		M								
	Student will able to analyse the demand and indifference curve in given situation			H		M								
CO3	Student will be able to apply various demand forecasting techniques			H										
CO4	Students will be able to identify the key elements and supply and isoquant curves.			M										
1T5 A	Commercial Firms	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Student will able to relate the concepts of commercial firms.			H										
	Studentswill able kto interpret the concept of sole trader into application			H						M				
CO3	Student can analyse partnership firm and gain knowledge about starting it.			H						M			M	
CO4	Student Will be able to understand the concpet of start Ups and can easily prepare the report of the same .				M								H	
1T5 B	Digital Marketing	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Student will undertand the concept of digital markting, E commerce and M commerce.				H	M							M	
	Student will get the knowledge of creating websites,email,brochure,flyers.				H					M				
CO3	Student will be able to develop various digital platforms.				M	M								
CO4	Practical application of various digital marketing trends.				M					M			M	
1T6 A	Business Skills	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Business skills are essential to keeping an organization running smoothly.	M				M								
CO2	Students can understand the professional skills and its impact on organisation					H				M				
	Student will be able to distinguish regarding the types of organisation and taken actions according to the situation					H								
CO4	Students will demonstrate the roles and skills of management.	M			M	H								
2T3	COMPULSORY ENGLISH	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students will be able to face real life situation and healthy use of social media													H

[illegible]

2T4.1	Supplementary English	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Story prescribed how to solve problems in real life													H
CO2	Able to learn how interview skill lead to success													H
CO3	Able to develop the adaptability skill													H
CO4	students able to learn how Non-verbal communication is important through prescribed story													H
2T4.2	Hindi	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	निबंध लेखन कौशल का विकास, रुचि जागृत करना।													H
CO2	कहानी, व्यंग्य, निबंध, महापुरुष की जीवनी का परिचय, तथा साहित्य में रुचि निर्माण।													H
CO3	कविताओं के माध्यम से विद्यार्थियों में देशप्रेम, प्रकृति प्रेम जागृत करना।													H
CO4	मुहावरों, लोकोक्तियों का भाषा में प्रयोग, व्याकरण के ज्ञान में वृद्धि करना।													H
2T4.2	Marathi	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	लोकांमध्ये व्यवसायाची आवड असणे आणि व्यवसायासाठी चांगले वातावरण असणे फायदेशीर आहे. हे सोपे होणार नाही. आळशीपणाशिवाय हे शक्य आहे.													H
CO2	माणसाची नैतिकता आणि चारित्र्य घडवणे ही शिक्षणाची महत्त्वाची तत्त्वे आहेत													H
CO3	खालच्या पातळीपासून सर्वोच्च स्तरापर्यंत जीवाचा रेखांशाचा उतार हा एक व्यापकपणे स्वीकारलेला परंतु सुप्त गृहितक आहे. या अनुषंगाने विश्वासोबतच मानवालाही पूजेचे स्थान दिले आहे													H
CO4	आढावा- डॉ. पंजाबराव देशमुख यांचे कार्य													H
CO5	मोरासोबतची दोघांची मैत्री आणि मोराचे पूर्ण चित्रण.													H
CO6	लेखकाने एका अशा लग्नाची कहाणी सांगितली आहे जी आर्थिक असमानतेमुळे “रुपी” सोबत गेली नाही													H
CO7	संत एकनाथानीं भारुडाच्या माध्यमातून केलेले समाजप्रबोधन													H
CO8	मढेकरांचे तरुणांना समाज बदलण्याचे आवाहन.													H
CO9	वामन निंबाळकर यांनी त्यांच्या आईच्या स्मरणार्थ लिहिलेली कविता													H
CO10	पुतळ्यांची दाहक अवस्था आणि जातीय गटांमध्ये विभागलेल्या पुतळ्यांचे वर्णन कवीने केले आहे.													H
CO11	उद्घोष-सामाजिक क्रांतीची घोषणा.													H
CO12	बंजारा समाजातील लोकांसाठी जनजागृतीचे कार्य.													H
CO13	वाक्प्रचारांचा वापर.													H
CO14	विविध माध्यमांसाठी जाहिरात कशी लिहावी आणि त्याचे महत्त्व													H
2T1	Statistics and Business mathematics	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Student is able to understand the concept of frequency distribution by the way of table					H								
CO2	Student is able to compute the measure of central tendency					H								
CO3	Concept of dispersion, quartiles, deviation is learnt by the student.					M								
CO4	Student learns the concept of business mathematics.					M								
2T2	Business Economics II	1	2	3	4	5	6	7	8	9	10	11	12	13

CO1	A relationship of cost and output in short and long run is grasped by the student		M			M								
CO2	Market structures are been studied by the student		M											
CO3	Student can explain the basic concept of macro conomcs.	M	H											
CO4	Student understand the caluculation of national income by given data		M						M					
2T5 A	Commercial services	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Student can understand the concept of commercial service and its implication	M		M			M							
CO2	Student is conversant with the concept of Aviation and Hospitality service	M								M				
CO3	Student is able to understand the concpet of ITEs and its role.						H							
CO4	Student understand new innovative service relating to banking and insurance sector.						H		M					

[illegible]

[illegible]

[illegible]

4T4.2	Hindi	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	निबंध लेखन कौशल का विकास, हिंदी साहित्य में रुचि जागृत करना।													H
CO2	हिंदी साहित्य को विविध विधाओं - कहानी, व्यंग्य, निबंध, एकांकी, आदि का परिचय तथा हिंदी साहित्य में रुचि विकसित करना।													H
CO3	कविताओं के माध्यम से विद्यार्थियों में देशप्रेम, प्रकृति प्रेम, नैतिक शिक्षा, सकारात्मक सोच जागृत करना।													H
CO4	संस्थाओं के सांक्षिप्तिकरण, जीवन वृत्त, विद्यार्थियों को रोजगार मूलक ज्ञान प्रदान कर मार्गदर्शन करना।													H
4T4.2	Marathi	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	विद्यामंदिर आणि गुरूचा आश्रम नामशेष झाला असून नवीन संस्थांचा तुटवडा आहे. ही कल्पना कल्पक पद्धतीने मांडण्यात आली.													H
CO2	ग्रामीण जीवनाचे आणि विचारांचे चित्रण.													H
CO3	कौटुंबिक, सामाजिक आणि सांस्कृतिक जबाबदाऱ्या समजून घेऊन जीवन जगणे.													H
CO4	सुरिंदर आणि बिलवा या दोन बाल मैत्रिणींचे लेखकाचे चित्रण.													H
CO5	भगवान श्रीकृष्णाच्या विविध पैलूंचे दर्शन.													H
CO6	यमाजी भालकर यांच्या आयुष्यात निर्माण झालेले घोटाळे विनोदी पद्धतीने चित्रित केले आहेत.													H
CO7	संत सेना न्हावी तर्फे पंढरपूर, आळंदीचे वर्णन.													H
CO8	ज्ञान आणि सिद्धीसाठी गणेशाची आराधना करा.													H
CO9	गीतरामायणातील राम वनवासाला जातो त्या भागाचे वर्णन.													H
CO10	कामगारांच्या घामाचे, रक्ताचे आणि अश्रूचे मोल होते तेव्हाच भांडवलशाहीचे दुष्ट चक्र संपते.													H
CO11	छत्रपतींच्या कार्यात जिजामातेचे मोठे योगदान आहे.													H
CO12	पक्षी आणि मानवी स्वभाव													H
CO13	इंटरनेटवर मराठी भाषेचे महत्त्व													H
CO14	इंग्रजी शब्दांची पूर्ण रूपे आणि मराठीत भाषांतर कसे करावे.													H
4T1	Financial Accounting III	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	It provides Banking companies regulation .							H						
CO2	The Student Will be able to carry out general insurance calculation and claim settlement.	M										H		
CO3	The student will be able to calculate andanalyse the valuation of goodwill.	M										H		
CO4	Student will be able to prepare the statement and calculate liquidation of the company	M										H		
4T2	Skill Development	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Understand Practice soft skills working with computers communicate with required clarity.				H									M
CO2	Demonstrate knowledge of concept principles of basic practical operations.				H				M					
CO3	Recognize comply safe working practices environment regulations.					M				H				
CO4	Develop proficiency skills in basic knowledge of organizations				H				M					M
4T3	Income Tax	1	2	3	4	5	6	7	8	9	10	11	12	13

CO1	Students will be able to identify the technical terms related to direct taxation.	M							M	H			
CO2	Students will be able to identify the technical terms related to direct taxation.	M							M	H			
CO3	Students will be able to understand the various benefits and deduction under chapter VI A of the income tax act 1961. Which will be reduced from the gross total income of the									H	M		
CO4	Students will be able to compute the net total income and the total tax liability of an individual assessee considering the income from all heads of income and the deduction under chapter VI A of income tax act									H	M		

4T4	Monetary Economics II	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students will learn functions of commercial bank, role of commercial bank in developing economies, process of credit creation by commercial bank and limitation of commercial bank.	M						H						
CO2	In the monetary economics, students will learn various concepts of ATM, core Banking, Credit Cards, debit cards, e- purse, laser cards ECS and Electric fund transfer.	M		M				H						
CO3	Students will also learn the bank and customers relationship and services						M	H						
CO4	Students learn various concepts of central bank, SLR, CRR						M	H						
5T1	Financial Accountitng IV	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	To understand the corporate restructuring as per Accounting standard 14 i.e Amalgamation & absorption of companies.	M										H		
CO2	The Student Shall be able to prepare and analyze the Accounting procedure of Re-organization and Re construction of companies.	M										H		
CO3	The Student Shall be able to prepare the Final account statement in case of public utility concern such as water supply and gas companies.	M										H		
CO4	The Student Shall be able to calculate the Valuation of share by different method	M										H		
5T2	Cost accounting	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students will able to analyze implications of cost in managerial decisions.	H										M		
CO2	Students will able to understand process costing	H				M								
CO3	Students will able to understand standard costing and analysis of deviation.	H										M		
CO4	Students will able to understand various methods and techniques cost management.	H				M						M		
5T3	Management Process	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students understands the concepts related to business	M							M					
CO2	Demonstrate the roles, skill and function of management.				H									
CO3	Analyze the effective application of management process and solve organizational problems and develop optimal managerial decisions			H	M				M					
CO4	Understand the complexities associated with management of human resources in the organization and integrate the learning in handling	M			H				M					
5T4	Indian Economics I	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	In the Indian Economics I, students will analyze the progress of the Indian Economy under the various Five year plan From (1951 to 2017), will learn, planning, Aims and structure of NITI Aayog		H							M			M	

5T5.1	Marketing management	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students will be able to evaluate the significance of marketing.	M		H										
CO2	Students will analyze the relationship between marketing management and other impacts on business	M	M		M									
CO3	To evaluate the role and relevance of marketing organizations in current marketing conditions.			H	M				M					
CO4	Identify the role and significance of various elements of marketing mix.			H					M					
5T5.2	Computerized Accounting	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students will demonstrate progressive cognitive development of knowledge, comprehension and application of rational economic decision making using accounting discipline language, methods of classification, standards and computational procedures in all courses.		M									M		
CO2	Upon successful completion of computerized accounting applications, the student will be able to demonstrate an understanding of accounting theory and apply accounting procedures using microcomputer.											H		
CO3	Students will be ready for employment in functional areas like accounting, taxation, banking, insurance and corporate law. An attitude for working effectively and efficiently in a business environment. Learners will gain knowledge of various disciplines of commerce, business accounting economies and finance, auditing and marketing.		M									M		
CO4	Chart of accounting is a tree view of the names of the accounts (ledgers and groups) that a company requires to manage its accounts. ERP is a system which can be modified according to the need of the user and in legal manner.											H		
5T6.1	Business Finance I	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students will learn and Cover the conceptual foundation of business finance with sources of business finance.	H	M											
CO2	Students shall be able to learn the project financing, calculation of inventory management and find out the leverage	H												
CO3	Students shall be able to Describe the management of working capital.	M										H		
CO4	Students will Focus on debtors and creditors management venture financing	M										H		
5T6.2	Auditing	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students will learn basic of Auditing.	H												
CO2	Students will learn types of Audit, Internal control and Internal system.	H							M					

[illegible]

6T3	Advanced Statistics	1	2	3	4	5	6	7	8	9	10	11	12	13
CO1	Students will be able to do arithmetic mean, median ,harmonic mean					H						M		
CO2	Calculation of correlation, regression analysis index number and time series analysis.					H						M		
CO3	Understands statistical testing and their applications.					H						M		
CO4	Students understand the application of probability theory.					H						M		

[illegible]

Code	Course Name -
1T1	Fundamentals of Accounting
1T2	Business Economics I
1T3	COMPULSORY ENGLISH
1T4.1	Supplementary English
1T4.2	Hindi
1T4.2	Marathi
1T5 A	Commercial Firms
1T5 B	Digital Marketing
1T6 A	Business Skills
2T1	Statistics and Business mathematics
2T2	Business economics II
2T3	COMPULSORY ENGLISH
2T4.1	Supplementary English
2T4.2	Hindi
2T4.2	Marathi
2T5 A	Commercial services
2T5 B	Fundamentals of Banking
2T6 B	Skill Development
3T1	Financial accounting II
3T2	Business communication and management
3T3	Business Law
3T3A	Compulsory English
3T4	Monetary Economics I
3T4.1	Supplementary English
3T4.2	Hindi
3T4.2	Marathi
4T1	Financial Accounting III
4T2	Skill Development
4T3	Compulsory English
4T3	Income Tax
4T4	Monetary Economics II
4T4.1	Supplementary English
4T4.2	Hindi
4T4.2	Marathi
5T1	Financial Accounting IV
5T2	Cost accounting
5T3	Management Process
5T4	Indian Economics I
5T5.1	Marketing management
5T5.2	Computerized Accounting
5T6.1	Business Finance I
5T6.2	Auditing

6T1	Financial Accounting V
6T2	Management Accounting
6T3	Advanced Statistics
6T4	Indian Economics II
6T5.1	Human Resource Management
6T5.2	Indirect Tax
6T6.1	Business finance II
6T6.2	Industrial Law

Financial accounting II

संताजी महाविद्यालय, नागपूर	
कार्यक्रम परिणाम	
कार्यक्रमाचे नाव- B. com	
अभ्यासक्रमांची संख्या (विषय) - ५०	
कार्यक्रम परिणाम	
PO1	विद्यार्थी सर्व प्रकारच्या व्यवसाय युनिट्ससाठी सर्व प्रकारच्या खात्यांचे समायोजन शिकतात.
PO2	विद्यार्थी सूक्ष्म आणि मॅक्रो इकोनॉमिक तंत्र वापरण्यास सक्षम आहे.
PO3	विद्यार्थी विविध महत्त्वाच्या मार्केटिंग प्लॅटफॉर्मच्या व्यावहारिक ज्ञानाने सुसज्ज असतील.
PO4	व्यवसायासाठी आवश्यक व्यवस्थापनाची भूमिका, कौशल्ये आणि कार्ये दाखवायला विद्यार्थी शिकतात.
PO5	विद्यार्थी मध्यवर्ती प्रवृत्ती आणि व्यावसायिक गणिताचे उपाय समजून प्रदर्शित करण्यास सक्षम आहेत
PO6	विद्यार्थी माहेती तंत्रज्ञान सक्षम सेवांचे महत्त्व समजावून सांगतात.
PO7	विद्यार्थी बँक आणि इतर वित्तीय संस्थांद्वारे प्रदान केलेल्या सर्व बँकिंग सेवा शिकण्यास सक्षम असतील.
PO8	विद्यार्थी कौशल्य विकासाचे तंत्र शोधू शकतील.
PO9	विद्यार्थी व्यवसायाच्या कायदेशीर पेलूचा शोध घेतात आणि विविध कायद्यांचे मूलभूत वैचारिक ज्ञान मिळवतात.
PO10	विद्यार्थी प्रत्यक्ष आणि अप्रत्यक्ष करांची संकल्पना शिकतात.
PO11	खाते पुस्तकांची पडताळणी आणि समेट करून विद्यार्थी अहवाल तयार करतात.
PO12	स्टार्ट अपसाठी विविध सरकारी योजना विद्यार्थ्यांना समजतात.

कोड	अभ्यासक्रमाचे नाव -	डोमेन स्पेसिफिक				डोमेन स्वतंत्र											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1T1	Course Name: अकाउंटिंगची मूलभूत तत्त्वे	H					H				H						
CO1	अकाउंटिंगचे मूलभूत ज्ञान दिले जाते आणि त्याचा वापर हिशोबाच्या पुस्तकांमध्ये केला जातो.	H			M				H								
CO2	विद्यार्थी एकमेव ट्रेडरशिपचे आर्थिक विवरण तयार करण्यास सक्षम आहे.	M				H				H							
CO3	विद्यार्थी शाखा खाते, रोख आणि क्रेडिट विक्री इत्यादी तयार करण्यास सक्षम आहे.		M					H					H				
CO4	पुस्तके तयार करू शकतो.				H		H					H					
1T2	Course Name: व्यवसाय अर्थशास्त्र	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थी अर्थव्यवस्थेच्या मूलभूत समस्यांचे वर्गीकरण करण्यास सक्षम असतील.		H			H							H				
CO2	विद्यार्थी दिलेल्या परिस्थितीत मागणी आणि उदासीनता वक्र विश्लेषण करण्यास सक्षम असेल	H						H						M			
CO3	विद्यार्थी विविध मागणी अंदाज तंत्र लागू करण्यास सक्षम असतील			H					H			L					

CO4	विद्यार्थी मुख्य घटक ओळखण्यास सक्षम असतील आणि पुरवठा आणि पृथक् वक्र.			H			H										H	
1T5 (A)	Course Name: व्यावसायिक संस्था	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	विद्यार्थी व्यावसायिक कंपन्यांच्या संकल्पनांशी संबंध ठेवण्यास सक्षम असतील.	H						H						M				
CO2	विद्यार्थी एकमेव व्यापारी या संकल्पनेचा अर्थ लावू शकतील		H				H			H								
CO3	विद्यार्थी भागीदारी फर्मचे विश्लेषण करू शकतात आणि ते सुरू करण्याबद्दल ज्ञान मिळवू शकतात.	M							H						L			
CO4	विद्यार्थी स्टार्ट अप्सची संकल्पना समजून घेण्यास सक्षम असतील आणि त्याचा अहवाल सहज तयार करू शकतील.	H					H				H							
1T5 (B)	Course Name: डिजिटल मार्केटिंग	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	विद्यार्थी डिजिटल मार्किंग, ई कॉमर्स आणि एम कॉमर्स या संकल्पना समजून घेतात.	H	H					H										
CO2	वेबसाइट, ईमेल, ब्रोशर, फ्लायर्स तयार करण्याचे ज्ञान विद्यार्थ्यांना मिळेल.				H		H							H				
CO3	विद्यार्थी विविध डिजिटल प्लॅटफॉर्म विकसित करण्यास सक्षम असतील.			H					H			H						
CO4	विविध डिजिटल मार्केटिंग ट्रेडचा व्यावहारिक अनुप्रयोग.	H					H					M						
1T6 (A)	Course Name: व्यवसाय कौशल्ये	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	संस्था सुरळीत चालण्यासाठी व्यवसाय कौशल्ये आवश्यक आहेत.		H		H							H						
CO2	विद्यार्थ्यांना व्यावसायिक कौशल्ये आणि त्याचा संस्थेवर होणारा परिणाम समजू शकतो	M					H							H				
CO3	विद्यार्थ्यांना संस्थेचे प्रकार आणि परिस्थितीनुसार केलेल्या कृतींमध्ये फरक करता येईल	H							H			H						
CO4	विद्यार्थी व्यवस्थापनाची भूमिका आणि कौशल्ये दाखवतील.				H		M					M						
2T1	Course Name: सांख्यिकी आणि व्यवसाय गणित	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	विद्यार्थी वारंवारता वितरणाची संकल्पना सारणीच्या मार्गाने समजून घेण्यास सक्षम आहे	H					H					H						

CO2	विद्यार्थी मध्यवर्ती प्रवृत्तीचे मोजमाप करू शकतात			H						L		H						
CO3	फैलाव, चतुर्थांश, विचलन या संकल्पना विद्यार्थ्याला शिकायला मिळतात.		H						H								H	
CO4	विद्यार्थी व्यवसायाच्या गणिताची concept शिकतो.	H					H					H						
2T2	Course Name: व्यवसाय अर्थशास्त्र	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	कमी आणि दीर्घ कालावधीत खर्च आणि आउटपुटचा संबंध विद्यार्थ्याने समजून घेतला आहे	H					H					H						
CO2	बाजाराची रचना विद्यार्थ्याने केली आहे			H				H		H								
CO3	विद्यार्थी मक्रो कानांमधील मूल संकल्पना स्पष्ट करू शकतात.				M		H					H						
CO4	विद्यार्थ्यांना दिलेल्या माहितीवरून राष्ट्रीय उत्पन्नाची गणना समजते	H			H								M					
2T5 (A)	Course Name: व्यावसायिक सेवा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	विद्यार्थ्याला व्यावसायिक सेवेची संकल्पना आणि त्याचा अर्थ समजू शकतो				H		H										H	
CO2	विद्यार्थी विमान वाहतूक आणि आदरातिथ्य सेवा या संकल्पनेशी परिचित आहेत	M							H			H						
CO3	विद्यार्थी आयटीईची संकल्पना आणि त्याची भूमिका समजून घेण्यास सक्षम आहे.			H							H	H						
CO4	बँकिंग आणि विमा क्षेत्राशी संबंधित नवीन नाविन्यपूर्ण सेवा विद्यार्थ्यांना समजते.	M					H										M	
2T5 (B)	Course Name: बँकिंगची मूलभूत तत्त्वे	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	विद्यार्थी बँकिंग कार्याचे वर्गीकरण करण्यास सक्षम असतील	H					H					M						
CO2	विद्यार्थ्याला बँक खात्यांचे प्रकार आणि त्याची पात्रता याबद्दल माहिती असेल			H				H						H				
CO3	विद्यार्थ्यांना बँक खाती उघडणे, हस्तांतरण चालवणे आणि बंद करणे यासाठी विविध प्रक्रिया माहित असतात.	M							H					H				
CO4	इनबँकिंग प्रणालीची नवीन संकल्पना विद्यार्थ्यांना कळेल.		H				H					H						
2T6 (B)	Course Name: कौशल्य विकास	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		

CO1	विद्यार्थी वित्तीय संस्थांचे महत्त्व समजावून सांगू शकतात.			H		H									M		
CO2	विद्यार्थी भारतातील आर्थिक परिणामांच्या संरचनेचा अर्थ लावू शकतील.			H						M	H						
CO3	विद्यार्थी प्राथमिक आणि दुय्यम भांडवली बाजारातील फरक ओळखण्यास सक्षम असतील.					M			H							H	
CO4	विद्यार्थी मनीं मार्केटचे घटक ओळखू शकतात.		H					H						H			
3T1	Course Name: आर्थिक लेखा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	संयुक्त स्टॉक कंपन्यांचे फ्लोटेशन आणि त्यांची भांडवली रचना.		H					H				H					
CO2	समभाग जारी करणे आणि जप्त करणे, जप्त केलेले समभाग पुन्हा जारी करणे.					H				M						H	
CO3	डिबेंचर जारी करणे आणि विमोचन करणे.	H						H				H					
CO4	कंपनी परिचय आणि शेअर भांडवल. शेअर्स जारी करणे आणि त्याचे लेखांकन					L			H						H		
3T2	Course Name: व्यवसाय संप्रेषण आणि व्यवस्थापन	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थी मूलभूत आणि प्रगत व्यावसायिक लेखन कौशल्यांचा वापर दाखवू शकतात				H				H						H		
CO2	विद्यार्थी सामाजिक आणि व्यावसायिक परस्परसंवादासाठी वैयक्तिक संवाद कौशल्य विकसित करतो.					H				H					H		
CO3	विद्यार्थी सार्वजनिक बोलण्याचे तंत्र शिकतात.			H							H			H			
CO4	विद्यार्थी ऑनलाइन वातावरणात संवाद साधू शकतात.		H					H					H				
3T3	Course Name: व्यावसायिक कायदा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	चालवायचा यासारख्या बिझनेस लॉ चे ज्ञान ते ज्ञान देते. हे करार कायद्याचे ज्ञान प्रदान करते आणि कोणत्याही करारामध्ये सुरक्षितपणे कसे प्रवेश करते हे स्पष्ट करते.																
CO2	हे वैध कराराचे स्पष्टीकरण देते ते भागीदारी, नोंदणी प्रक्रियेशी संबंधित कायद्याचे ज्ञान प्रदान करते.																
CO3	हे ग्राहक संरक्षण कायद्याचे ज्ञान देते			H													

CO4	हे वाटाघाटी साधनांशी संबंधित कायद्याचे ज्ञान प्रदान करते			M						H							H
3T4	Course Name: आर्थिक अर्थशास्त्र	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	जागतिक अर्थव्यवस्थेच्या अस्थिर स्वरूपामुळे चलनविषयक अर्थशास्त्राचे महत्त्व अलीकडच्या काळात वाढत आहे, अभ्यासक्रम पैशाच्या सैद्धांतिक पैलूंचे स्पष्टीकरण आणि दस्तऐवजीकरण करण्याचा प्रयत्न करतो.			H			H									H	
CO2	हे अल्पकालीन बाजार आणि मनी मार्केटमधील विविध साधनांचे ज्ञान प्रदान करते		H						H				H				
CO3	वित्तीय आणि आर्थिक धोरणे आणि आर्थिक वाढीमध्ये वित्तीय संस्थेची भूमिका.				H		M			H							
CO4	हे कर आकारणी, महसूल सकलन, सार्वजनिक कर्ज आणि सरकारच्या सार्वजनिक खर्चाचे ज्ञान प्रदान करते			H			H					H					
4T1	Course Name: आर्थिक लेखा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	हे बँकिंग कंपन्यांचे नियमन प्रदान करते.	H						H				H					
CO2	विद्यार्थी सामान्य विमा गणना आणि दावा निकाली काढण्यास सक्षम असेल.			H					M			H					
CO3	विद्यार्थी गुडविलच्या मूल्यांकनाची गणना आणि विश्लेषण करण्यास सक्षम असेल.				M		H								H		
CO4	विद्यार्थी स्टेटमेंट तयार करण्यास आणि कंपनीच्या लिक्विडेशनची गणना करण्यास सक्षम असेल.		H					H				H					
4T2	Course Name: कौशल्य विकास	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	समजून घ्या & संगणकावर काम करताना सॉफ्ट स्किल्सचा सराव करा आणि आवश्यक स्पष्टतेसह संवाद साधा.			H					M			H					
CO2	संकल्पनेचे ज्ञान प्रदर्शित करा & मूलभूत व्यावहारिक ऑपरेशनची तत्वे.	H						M									L
CO3	ओळखा & सुरक्षित कार्य पद्धती पर्यावरण नियमांचे पालन.				M			H					H				
CO4	संस्थांच्या मूलभूत ज्ञानामध्ये प्राविण्य कौशल्ये विकसित करा	H						H				H					
4T3	Course Name: आयकर	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थ्यांना प्रत्यक्ष कर आकारणीशी संबंधित तांत्रिक संज्ञा ओळखता येतील.			H				H					H				

CO2	विद्यार्थ्यांना प्रत्यक्ष कर आकारणीशी संबंधित तांत्रिक संज्ञा ओळखता येतील.		H						M								H	
CO3	विद्यार्थी आयकर कायदा 1961 च्या धडा VI A अंतर्गत विविध फायदे आणि वजावट समजून घेण्यास सक्षम असतील. जे करनिर्धारकाच्या एकूण उत्पन्नातून कमी केले जातील.					M		H				H						
CO4	विद्यार्थी निव्वळ एकूण उत्पन्न आणि वैयक्तिक करदायित्वाची गणना करू शकतील आणि आयकर कायदा 1961 च्या प्रकरण VI A अंतर्गत उत्पन्नाच्या सर्व शीर्षमधून मिळणारे उत्पन्न आणि वजावट विचारात घेईल.	H							H				H					
4T4	Course Name: आर्थिक अर्थशास्त्र	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	विद्यार्थी व्यावसायिक बँकेची कार्ये, विकसनशील अर्थव्यवस्थांमध्ये व्यावसायिक बँकेची भूमिका, व्यावसायिक बँकेद्वारे पतनिर्मितीची प्रक्रिया आणि व्यावसायिक बँकेची मर्यादा शिकतील.		H						H						H			
CO2	मौद्रिक अर्थशास्त्रामध्ये, विद्यार्थी एटीएम, कोअर बँकिंग, क्रेडिट कार्ड, डेबिट कार्ड, ई-पर्स, लेझर कार्ड्स ईसीएस आणि इलेक्ट्रिक फंड ट्रान्सफरच्या विविध संकल्पना शिकतील.				H				H			H						
CO3	विद्यार्थी बँक आणि ग्राहक संबंध आणि सेवा देखील शिकतील				H			H				M						
CO4	विद्यार्थी केंद्रीय बँक, SLR, CRR च्या विविध संकल्पना शिकतात		H						H						H			
5T1	Course Name: आर्थिक लेखा IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CO1	लेखा मानक 14 नुसार कॉपीरेट पुनरचना समजून घेणे म्हणजे कंपन्यांचे एकत्रीकरण आणि शोषण.		H						H			H						
CO2	विद्यार्थ्याला कंपन्यांची पुनरचना आणि पुनरचना या लेखा प्रक्रियेची तयारी आणि विश्लेषण करता येईल.	H				H									H			
CO3	पाणी पुरवठा आणि गॅस कंपन्यांसारख्या सार्वजनिक उपयोगितेच्या बाबतीत विद्यार्थी अंतिम खाते विवरण तयार करण्यास सक्षम असेल.				H													H
CO4	विद्यार्थ्याला वेगवेगळ्या पद्धतीने शेअरचे मूल्यांकन करता येईल					M			H				H					
5T2	Course Name: खर्च लेखा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		

CO1	विद्यार्थी व्यवस्थापकीय निर्णयामध्ये खर्चाच्या परिणामांचे विश्लेषण करण्यास सक्षम असतील.		H						H		H						
CO2	विद्यार्थ्यांना प्रक्रियेची किंमत समजू शकेल	H				H										H	
CO3	विद्यार्थी मानक खर्च आणि विचलनाचे विश्लेषण समजण्यास सक्षम असतील.				H			M					H				
CO4	विद्यार्थ्यांना खर्च व्यवस्थापनाच्या विविध पद्धती आणि तंत्रे समजतील.			H				H							H		
5T3	Course Name: व्यवस्थापन प्रक्रिया	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थ्यांना व्यवसायाशी संबंधित संकल्पना समजतात		H				H					H					
CO2	व्यवस्थापनाची भूमिका, कौशल्य आणि कार्ये दाखवा.			H					H					H			
CO3	व्यवस्थापन प्रक्रियेच्या प्रभावी अनुप्रयोगाचे विश्लेषण करा आणि संस्थात्मक समस्या सोडवा आणि इष्टतम व्यवस्थापकीय निर्णय विकसित करा				H		H						H				
CO4	संस्थेतील मानवी संसाधनांच्या व्यवस्थापनाशी निगडित गुंतागुंत समजून घ्या आणि या गुंतागुंत हाताळताना शिक्षणाचे एकत्रीकरण करा.		M				H					H					
5T4	Course Name: भारतीय अर्थशास्त्र	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	भारतीय अर्थशास्त्र । मध्ये, विद्यार्थी विविध पंचवार्षिक योजनेअंतर्गत (1951 ते 2017) भारतीय अर्थव्यवस्थेच्या प्रगतीचे विश्लेषण करतील, नीती आयोगाची रचना, नियोजन, उद्दिष्टे आणि संरचना शिकतील.		H						H							H	
CO2	भारतीय अर्थशास्त्र भारतीय अर्थव्यवस्थेची वैशिष्ट्ये, आर्थिक वाढीच्या धोरणात्मक संकल्पना, आर्थिक विकास आणि नैसर्गिक संसाधनांची उपलब्धता यांच्याशी संबंधित आहे.			H			M					H					
CO3	विद्यार्थी लोकसंख्या विस्फोट आणि रोजगार आणि भारतीय अर्थशास्त्रातील बेरोजगारी संरचना, ग्रामीण आणि शहरी बेरोजगारी या समस्यांचे विश्लेषण करतील.				H		M					H					
CO4	विद्यार्थ्यांना सार्वजनेक कर्जे, सार्वजनेक खर्च आणि देशाचे सार्वजनिक महसूल शिकता येईल.		H				M					H					

5T5.1	Course Name: विपणन व्यवस्थापन	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	विद्यार्थ्यांना मार्केटिंगचे महत्त्व पटवून देता येईल.		H				H					H				
CO2	विद्यार्थी विपणन व्यवस्थापन आणि व्यवसायावरील इतर प्रभावांमधील संबंधांचे विश्लेषण करतील			M				H						H		
CO3	सध्याच्या विपणन परिस्थितीत विपणन संस्थांची भूमिका आणि प्रासंगिकतेचे मूल्यांकन करणे.				H				H							H
CO4	विपणन मिश्रणाच्या विविध घटकांची भूमिका आणि महत्त्व ओळखा.		H				H					H				
5T5.2	Course Name: संगणकीकृत लेखा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	विद्यार्थी सर्व अभ्यासक्रमांमध्ये लेखा शिस्तीची भाषा, वर्गीकरणाच्या पद्धती, मानके आणि संगणकीय प्रक्रियांचा वापर करून ज्ञानाचा प्रगतीशील संज्ञानात्मक विकास, आकलन आणि तर्कसंगत आर्थिक निर्णय घेण्याचे प्रात्यक्षिक दाखवतील.			H					H						H	
CO2	संगणकीकृत अकाउंटिंग ॲप्लिकेशन्स यशस्वीरीत्या पूर्ण केल्यावर, विद्यार्थी मायक्रो कॉम्प्युटर सॉफ्टवेअर वापरून अकाउंटिंग थिअरी लागू अकाउंटिंग प्रक्रियेची समज दाखवण्यास सक्षम असेल.		H							M				H		
CO3	विद्यार्थी लेखा, कर आकारणी, बँकिंग, विमा आणि कॉर्पोरेट कायदा यासारख्या कार्यात्मक क्षेत्रात नोकरीसाठी तयार होतील. व्यावसायिक वातावरणात प्रभावीपणे आणि कार्यक्षमतेने काम करण्याची वृत्ती. विद्यार्थ्यांना वाणिज्य, व्यवसाय लेखा अर्थव्यवस्था आणि वित्त, लेखापरीक्षण आणि विपणनाच्या विविध विषयांचे ज्ञान मिळेल.				H		H					H				
CO4	लेखांकनाचा तक्ता म्हणजे खात्यांच्या नावांचे (लेजर्स आणि गट) एक वृक्ष दृश्य आहे जे कंपनीला त्याच्या खात्यांचे व्यवस्थापन करण्यासाठी आवश्यक असते. ईआरपी ही एक प्रणाली आहे जी त्यानुसार बदलली जाऊ शकते	H					H					H				
5T6.1	Course Name: व्यवसाय वित्त	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

CO1	विद्यार्थी बिझनेस फायनान्सचा वैचारिक पाया शिकतील आणि बिझनेस फायनान्सच्या स्त्रोतांसह कव्हर करतील.	H					H					H					
CO2	विद्यार्थी प्रकल्प वित्तपुरवठा, इन्व्हेंटरी मॅनेजमेंटची गणना आणि फायदा जाणून घेण्यास सक्षम असतील	H					H					H					
CO3	विद्यार्थी खेळत्या भांडवलाच्या व्यवस्थापनाचे वर्णन करण्यास सक्षम असतील.	H					H					H					
CO4	विद्यार्थी कर्जदार आणि कर्जदार व्यवस्थापनावर लक्ष केंद्रित करतील & उपक्रम वित्तपुरवठा	H					H					H					
5T6.2	Course Name: लेखापरीक्षण	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	ऑडिटिंगमध्ये विद्यार्थी ऑडिटिंगचे मूलभूत विषय शिकतील. ऑडिटिंगमध्ये, विद्यार्थी ऑडिट, ऑडिटर आणि ऑडिटिंगमधील फरक शिकतील.			H			M					H					
CO2	विद्यार्थी ऑडिट, अंतर्गत नियंत्रण आणि अंतर्गत ऑडिट प्रणालीचे प्रकार शिकतील.		H						H						H		
CO3	या विषयात, विद्यार्थी ऑडिट, ऑडिट डॉक्युमेंटेशन, ऑडिट पुरावे आणि ऑडिट प्लॅनिंगच्या प्रक्रियेचे आणि कामकाजाचे विश्लेषण करतील. लेखापरीक्षण, व्हाउचिंग आणि मानक; मालमत्तेची पडताळणी आणि पडताळणी & दायित्वे.				H		H					M					
CO4	ऑडिटिंगमध्ये, विद्यार्थ्यांना कंपनी ऑडिटर आणि amp, ऑडिट आणि ऑडिट रिपोर्टमधील फरक लक्षात येईल & प्रमाणपत्रे	H					H								H		
6T5.1	Course Name: मानव संसाधन व्यवस्थापन	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	मानव संसाधन व्यवस्थापन संकल्पनेची समज विकसित करा & संस्थांमधील त्याची प्रासंगिकता समजून घेण्यासाठी.			H			H								H		
CO2	विविध मानव संसाधन समस्यांसाठी आवश्यक कौशल्ये विकसित करा.		H					H				M					
CO3	धारणात्मक समस्यांचे विश्लेषण करा & मनुष्यबळ संसाधने निवडण्यासाठी आणि विकसित करण्यासाठी धोरणात्मक			M					H						H		
CO4	एचआर संकल्पनांचे ज्ञान एकत्रित करा किंवा योग्य व्यावसायिक निर्णय घ्या	H					H					H					

6T5.2	Course Name: अप्रत्यक्ष कर	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	वस्तू आणि सेवा कर (GST) शी संबंधित विविध अटी विद्यार्थ्यांना समजल्या पाहिजेत.			H			H					H				
CO2	विद्यार्थ्यांना फॉरवर्ड चार्ज आणि रिव्हर्स चार्ज मेकॅनिझममधील फरक समजायला हवा. तसेच, मिश्रित आणि मिश्रित पुरवठ्यातील फरक समजून घेण्यासाठी.	H					M								H	
CO3	विद्यार्थी वेळेचे ठिकाण आणि पुरवठ्याचे मूल्य ठरवू शकतील.			H					H			H				
CO4	जीएसटी कायदानुसार एखाद्या व्यक्तीला नोंदणी करणे आवश्यक आहे की नाही हे विद्यार्थी ठरवू शकतील.	H					M					H				
6T6.1	Course Name: व्यवसाय वित्त	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	फायनान्सची वैचारिक समज प्रदान करा & भारतातील आर्थिक बाजारपेठ.			H					H			H				
CO2	हे विविध भांडवली बजेट निर्णयाबद्दल ज्ञान प्रदान करते.	H				M								H		
CO3	गुंतवणूक, वित्तपुरवठा आणि यांसारख्या फर्मच्या विविध निर्णयांवर लक्ष केंद्रित करा. सामान्य लाभांश.				H					H					H	
CO4	विद्यार्थ्यांमध्ये विश्लेषण करण्याची कौशल्ये विकसित करण्यासाठी & तरलता, सॉल्व्हेंसी, नफा आणि संस्थांच्या रोख प्रवाहाच्या दृष्टिकोनातून आर्थिक स्टेटमेन्टचा अर्थ लावा आणि निर्णय घेण्यासाठी तेच लागू करा.			H				H				H				
6T6.2	Course Name: औद्योगिक कायदा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	विद्यार्थ्यांना औद्योगिक संबंधाची संकल्पना स्पष्ट करता आली पाहिजे.			H				H				H				
CO2	विद्यार्थ्याला विविध कायदांतर्गत वेतन कायद्याचे महत्त्व सांगता आले पाहिजे.		H						M						M	
CO3	विद्यार्थी स्वतःचा व्यवसाय सुरू करू शकतो.	H					H					L				
CO4	विद्यार्थ्याला औद्योगिक विवादाची महत्त्वाची कारणे आणि परिणामांची रूपरेषा सांगता आली पाहिजे.		H					H						H		
6T1	Course Name: आर्थिक लेखा V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

CO1	धारण करणाऱ्या कंपन्यांची खाती ओळखणे आणि विकसित करणे.			H					H		H						
CO2	त्यांना विमा कंपन्यांच्या खात्यांची माहिती ठेवा.	H					H					M					
CO3	खरेदीची कल्पना जाणून घेण्यासाठी & गुंतवणूक खात्याद्वारे सिक्युरिटीजची विक्री.				H			L				H					
CO4	निगमन करण्यापूर्वी नफ्याबद्दल ज्ञान प्रदान करण्यासाठी & त्याच्या लेखा उपचार	H					H									H	
6T2	Course Name: व्यवस्थापन लेखा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थी व्यवस्थापन लेखा अर्ज करू शकतात & निर्णय घेणे सुलभ करण्यासाठी त्याची उद्दिष्टे.			H					H			H					
CO2	इष्टतम व्यवस्थापकीय निर्णय निर्धारित करण्यासाठी खर्च खंड नफा तंत्रांचे विश्लेषण करा. विविध लेखा गुणोत्तरांची गणना करा, अहवाल आणि; संबंधित डेटा.		M								M					H	
CO3	बजेट तयार करा & घटकांमधील संबंधांची समज दर्शवा.			H			H					H					
CO4	रोख प्रवाह तयार करा & फंड फ्लो स्टेटमेंट हे मध्यवर्ती आणि दीर्घकालीन वित्त नियोजनात मदत करते	H							H			H					
6T3	Course Name: प्रगत सांख्यिकी	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थी अंकगणित मीन, माध्य, हार्मोनिक मीन करू शकतील				H		H					H					
CO2	सहसंबंधांची गणना, प्रतिगमन विश्लेषण अनुक्रमणिका क्रमांक आणि वेळ मालिका विश्लेषण.			H					H							M	
CO3	सांख्यिकीय चाचणी आणि त्यांचे अनुप्रयोग समजते.			H				M						H			
CO4	विद्यार्थ्यांना संभाव्यता सिद्धांताचा उपयोग समजतो.		H				H						H				
6T4	Course Name: भारतीय अर्थशास्त्र	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	भारतीय अर्थशास्त्र ॥ मध्ये, विद्यार्थी भारतीय शेतीची भूमिका आणि समस्या, जमीन सुधारणा आणि हरित क्रांतीची प्रगती यांचे विश्लेषण करतील. हे भारतातील कृषी मूल्य धोरण आणि पीक विमा योजनेचे गंभीर विश्लेषण देखील करते.				H		H					H					

[illegible]

[illegible]

CO10	कामगारांच्या घामाचे, रक्ताचे आणि अश्रूंचे मोल होते तेव्हाच भांडवलशाहीचे दुष्ट चक्र संपते.	H						M									
CO11	छत्रपतींच्या कार्यात जिजामातेचे मोठे योगदान आहे.				H		M										
CO12	पक्षी आणि मानवी स्वभाव		H					M									
CO13	इंटरनेटवर मराठी भाषेचे महत्त्व	H							M								
CO14	इंग्रजी शब्दाची पूर्ण रूपे आणि मराठीत भाषांतर कसे करावे.			H			M										
SEM I	COMPULSORY ENGLISH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	Contextualizing the lessons with the contemporary social situations			H					H			H					
CO2	Learn and understand the fact that with tenacity and ambition one can achieve what one wants in life	H				M								H			
CO3	To make the students understand how emotional elements can be arisen through poems.				H					H					H		
CO4	Writing skills will be improved by making the students learn different words and their use			H				H				H					
SEM II	COMPULSORY ENGLISH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	Students will be able to face real life situation and healthy use of social media		H					H				H					
CO2	The moral imparted in prose will have a positive impact on the mindset of the student.	H			H									H			
CO3	The poems will encourage the learners to shun violence and materialism.			H					H								H
CO4	Able to learn writing skills such as story writing,narrating experience and interviewa				M			H					H				
SEM III	COMPULSORY ENGLISH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	The moral imparted in prose will have a positive impact on the mindset of the student.			H				H				H					
CO2	The life of great personalities will motivate them to toil to be successful.		H						M							M	

[illegible]

Program Outcomes																
Name of Program: B.A.																
Number of courses(Subjects) - 6																
Program Outcomes																
PO1	To learn and understand four English language skills listening, reading, speaking and writing															
PO2	To summarize and analyze the texts prescribed in the syllabus															
PO3	To learn and make use of the grammar rules															
PO4	To learn and make use of punctuation rules															
PO5	To learn the sentence structure and make the correct use of them while constructing a new sentence															
PO6	Able to learn the key concepts in English Language															
PO7	Gain the knowledge of grammar rules and composition															
PO8	Critically analyze the texts prescribed for the study															
PO9	Critically appreciate the poems prescribed for the study															
PO10	Able to learn how to make pronunciation of particular word in English															
PO11	Able to communicate with confidence in simple and correct English															
PO12	Able to sharpen interpersonal skills															
Program Matrix																
Name of Program																
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																
Course Outcomes (COs)		Program Outcomes (POs)														
		Domain Specific(PS)				Domain Indepen										
Sem I	Course Name - Compulsory English	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learners will be motivated through the Life Sketches of successful sportspersons		H					M								
CO2	Learners will be able to understand the ethics and values in the west in the context of Indian values				M				H							
CO3	The students will be able to comprehend the theme of the stories and poems prescribed	H						M								
CO4	Learners will be able to draft an impressive application and resume for a job	H						M								
CO5	Learners will develop confidence in grasping and understanding the English Language and its usage	M							H							
CO6	Learners will be able to develop the creative writing skills	M					H									
Sem II	Course Name - Compulsory English	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	Learners will be able to apply the basics of the English Language in their routine life		H					M								
CO2	The learners will be able to develop critical thinking				M				H							

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CO3	The Learners will be able to understand the central idea, theme and summary of the prescribed poems of William Blake, William Wordsworth, Robert Southey, Thomas Moore, Lord Byron, P.B. Shelley and John Keats	H								M								
CO4	The learners will be able to critically analyse the prescribed poems	H								M								
CO 5	The Learners will be able to understand the literary contribution of the essayists Charles Lamb and William Hazlitt	H								M								
CO6	The Learners will be able to understand the autobiographical elements, pathos and humour in the prescribes essays of Charles Lamb	H								M								
CO7	The Learners will be able to understand the central idea and theme of the prescribed essays of william Hazlitt	H								M								
CO8	The Learners will be able to understand various Literary forms related to the genre of novel like Picaresque Novel, Epistolary Novel, Gothic Novel, Sentimental Novel, Historical Novel, Domestic Novel, Regency Novelss and Black Comedy	H								M								
CO9	The Learners will be able to understand the literary terms Maxim, Memoir, Metonymy, Mimesis, Myth, Novella, Onomatopoeia and Oxymoron	H								M								
CO10	The learners will be able to understand the literary contribution of the novelist Jane Austen	H								M								
CO11	The Learners will be able to understand the central idea, theme and summary of the novel Pride and Prejudice by Jane Austen	H								M								
CO12	The Learners will be able to critically analyze the major characters in the novel Pride and Prejudice	H								M								

[illegible]

CO 5	The learners will be able to identify, analyse, interpret and describe the critical ideas, values and themes prevalent in Indian Writing in English	H						M											
CO6	The learners will be able to understand the central idea, theme and the summary of the poems prescribed	H						M											
CO7	The learners will be able to critically analyse and appreciate the poems prescribed	H						M											
CO8	The learners will be able to understand the central idea, theme and the summary of the short stories prescribed	H						M											
CO9	The learners will be able to interpret and critically analyse the short stories prescribed from the socio-cultural perspective	H						M											
Name of Program -इतिहास																			
Number of courses(Subjects) - इतिहास																			
Program Outcomes																			
PO1	मानवी जीवनात इतिहासाला अभूतपूर्व महत्त्व आहे																		
PO2	इतिहासाच्या अभ्यासाने संस्कृतीचे रक्षण होते																		
PO3	इतिहासाच्या अभ्यासामुळे सामाजिक-राजकीय जाणीव होते																		
PO4	जागतिक घटनांबद्दल जाणून घ्या																		
PO5	स्पर्धा परीक्षाठी इतिहासाचा अभ्यास महत्त्वाचा आहे																		
PO6	संभाषण कौशल्य येते आणि मानवी समाजाचे महत्त्व समजते																		
PO7	इतिहासाचा अभ्यास केल्याने देशभक्तीची प्रेरणा मिळते																		
PO8	इतिहासाच्या अभ्यासातून देशाचे राष्ट्रीय-आंतरराष्ट्रीय संबंध कळतात.																		
PO9																			
PO10																			
PO11																			
PO12																			
Program Matrix																			
Name of Program																			
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																			
Course Outcomes (COs)		Program Outcomes (POs)																	
		Domain				Domain													
1T1 (Core)	Course Name - B.A. -I भारताचा इतिहास (सुरुवात - १५२५)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
CO1	विद्यार्थ्यांना हडप्पा संस्कृती आणि वैदिक संस्कृती समजली	H					M					H							
CO2	जैन-बौद्ध धर्माची सविस्तर माहिती मिळाली		H				L					H						H	
CO3	गुलामवंश व सल्तनत काळ स्थापत्यकला समजल्या गेली	M					H					M							

CO4	भक्ती चळवळ आणि सुफी पंथाची माहिती समजली.	H					H					H					H
1T2 (Core)	Sem-II भारताचा इतिहास (१५२५ - १७६१)																
CO1	भारतात मुघल सत्ता कशी प्रस्थापित झाली हे समजले	H					L					H					M
CO2	शेरशाह सूरी आणि मुघल कारभाराची माहिती जाणून घेतली	H					M					H					H
CO3	छत्रपती शिवाजी आणि मुघल संबंधांची माहिती मिळाली	H					H					M					L
CO4	पानिपत तिसरे युद्ध आणि इंग्रजांचे भारतात आगमन समजले	H					L					H					H
1T3 (Core)	भारताचा इतिहास (१७६४ - १८८४)																
CO1	बक्सरची लढाई आणि ब्रिटिशांनी त्याचे धोरण भारतात कसे राबवले हे कळले	M					H					H					M
CO2	दुहेरी कर व्यवस्था, कायमदारा पद्धत .तैनाती फौज खालसा धोरण कळले	H					H					M					H
CO3	१८५७च्या स्वातंत्र्य उठाव कारणे व परिणाम समजली	H					H					M					H
CO4	भारतात राष्ट्रवादाचा उदय कसा झाला हे जाणून घेतले	L					H					H					M
1T4 (Core)	भारताचा इतिहास (1885-1947)																
CO1	राष्ट्रीय काँग्रेसच्या स्थापनेची माहिती घेतली	H					M					M					H
CO2	जहाल आणि मवाळ यांची भूमिका समजली	H					L					H					M
CO3	असहकार, सविनय कायदेभंग आंदोलनाबाबत माहिती मिळाली	H					H					M					H
CO4	भारत स्वतंत्र कसा झाला याचे सविस्तर ज्ञान मिळवले	M					H					H					L
1T5 (Core)	आधुनिक जग (१७८९ - १९२०)																
CO1	फ्रेंच राज्यक्रांती ही जगातील पहिली क्रांती होती त्याची व्याप्ती व कारणे परिणाम कळले	H					M					H					H
CO2	साम्राज्यवादाची कारणे कोणती होती हे समजले	H					H					M					L
CO3	पहिले महायुद्ध - व्हर्सायचा तह कळला	H					H					H					M
CO4	युनायटेड नेशन्स(संयुक्त राष्ट्रसंघ) आणि तिची उपलब्धी आणि अपयश याबद्दल जाणून घेतले	L					H					M					H
1T6 (Core)	आधुनिक जग (1920 -1960)																
CO1	रशियाच्या पंचवार्षिक योजनेची माहिती कळली	H					M					L					H
CO2	हिटलर - मुसोलिनीचे परराष्ट्र धोरण समजले	M					H					H					L
CO3	दुसऱ्या महायुद्धाची कारणे जाणून घेतली	H					L					H					H

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CO3	रिझर्व बँकचा अर्थव्यवस्थेतील भूमिका किता महत्वाची आहे याविषयी ज्ञान प्राप्त होते.	H																		
CO4	प्राप्त होऊन गुंतवणुक करताना याचा उपयोग होतो.	L		H		H														
3T1 (Core)	भारतीय अर्थव्यवस्था -1																			
CO1	भारताय अर्थव्यवस्थेचे स्वरूप आणि मूलभूत वैशिष्ट्ये याविषयी माहिती प्राप्त होते.	H															M			
CO2	भारतीय शेतीचे अर्थव्यवस्थेतील महत्व, स्वरूप आणि समस्या जाणून शेतीची उत्पादकता वाढविण्यासाठी कोणत्या उपाययोजना कराव्या लागतील याचे ज्ञान प्राप्त होते.																			
CO3	आर्थिक विकासात उद्योगाचा गरज आणि भूमिका कळते.	M															H			
CO4	राजगार आणि दारिद्र्याचा संकल्पना जाणून दारिद्र्य निवारण कार्यक्रमाची कल्पना येते.	M																		H
3T2 (Core)	भारतीय अर्थव्यवस्था -2																			
CO1	आर्थिक वाढ व आर्थिक विकासासाठी संकल्पना जाणून विश्लेषण करण्यास मदत होते.	H																		
CO2	आर्थिक नियोजन आणि आर्थिक धोरणाचा कल्पना येते.		M														M			
CO3	सार्वजनिक वित्ताचे स्वरूप व्याप्ती आणि महत्व समजून घेऊन व्यवहारात उपयोग होतो.	H															M			L
CO4	आंतरराष्ट्रीय व्यापार आणि आंतरराष्ट्रीय वित्ताय संस्थांचे ज्ञान अनेक क्षेत्रात कार्य करताना उपयुक्त ठरते.																		M	
Name of Program - B.A.																				
Number of courses(Subjects) - Political Science																				
Program Outcomes																				
PO1	सामाजिक विज्ञानाचे ज्ञान लागू करणे आणि त्याचे विश्लेषण करा.																			
PO2	अटी आणि विशिष्ट संकल्पना ओळखा, समजून घ्या. सामाजिक विज्ञानातील जटिल कल्पना ओळखा, तयार करा आणि त्यांचे विश्लेषण करा.																			
PO3	समाजाची आचारसंहिता, शिष्टाचार, सांस्कृतिक समस्या, राजकीय समस्या, आर्थिक, ऐतिहासिक आणि भौगोलिक इत्यादी ज्ञान समजून घेणे, ओळखणे आणि त्यांचे विश्लेषण करणे.																			
PO4	गृहीतके ओळखा, अंदाजे अचूक आणि वैध आहेत हे तपासा आणि योग्य दृष्टीकोन पाहण्याकरिता.																			
PO5	इंग्रजी ज्ञान समजण्यासाठी मूलभूत ज्ञान ऐकणे, बोलणे, वाचणे आणि स्पष्टपणे लिहिणे यासाठी वापर.																			
PO6	संप्रेषणातील ICT चे ज्ञान समजून घेणे आणि त्याचे विश्लेषण करणे.																			
PO7	नैतिक तत्त्वे लागू करा आणि समाजाच्या जबाबदाऱ्या समजून घेणे.																			
PO8	समाजात प्रभावीपणे संवाद साधणे जसे की प्रभावी प्रेझेंटेशन आणि स्पष्ट माहितीची देवाणघेवाण करण्यासाठी प्रभावी अहवाल आणि दस्तऐवज डिझाइन करणे समजून घेणे आणि लिहिणे.																			
Program Matrix																				
Name of Program																				
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)																				
		Program Outcomes (POs)																		
Course Outcomes (COs)		Domain					Domain													
Sem. I	अभ्यासक्रमाचे नाव - राजकीय सिद्धांत	1	2	3	4	5	6	7	8	9	10	11	12							15
CO1	राज्य आणि नागरी समाजाची संकल्पना समजली.	H					M		H											

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CO2	विद्यार्थ्यां मध्ये समाजशास्त्रीय सैद्धांतिक सज्ञा आणि संकल्पनांचा विचार करण्याची आवश्यकता विकसित करणे.	H						H								H	
CO3	विद्यार्थ्यांना सिद्धांत आणि संशोधनाचे मुलभूत आकलन प्रदर्शित करण्या करीता सक्षम करणे.				M					H		H					
Co4	समकालीन शब्दा मध्ये साम्मैजक सिद्धांताच्या प्रासंगीकतेचेमुल्यांकन कार्ण्यास सक्षम करणे	H						H					H				
2T2(Core)	अभ्यासक्रमाचे नाव - भारतीय सामाजिक परंपरा	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थ्यांना जात, लिंग आणि संस्कृती बदलच्या भारतीय समाजशास्त्रीय विचारांचे आकलन करण्यास सक्शन करणे .				H		M					H					
CO2	विद्यार्थ्यांना भारतीय समाजव्यवस्थे नुसार भारतीय सामाजिक परंपराची विचार करण्याची आवश्यकता समजून देणे .					H				H						H	
CO3	विद्यार्थ्यांना भारतीय समाजव्यवस्थेची मुलभूत संकल्पना समजून घेणे	M					H					H					
Co4	विद्यार्थ्यांना भारतीय समाजाच्या जातीवर्ग लिंग संरचनेच्या चौकटीत भारतीय सामाजिक संरचनेचे विश्लेषण करण्याकरिता सक्षम करणे.				H		M					M					
3T1	अभ्यासक्रमाचे नाव - भारतीय समाज :संरचनात्मक प्रश्न	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थ्यांना सामाजिक समस्या समजून घेण्यासाठी सिद्धांत आणि संकल्पनाचा वापर करण्यास सक्षम करणे.				H					H						H	
CO2	विद्यार्थ्यांना सामाजिक समस्येचे मूळ म्हणून सामाजिक संरचना अभ्यानास सक्षम बनवणे.					M				H		H					
CO3	विद्यार्थ्यांमध्ये समाजशास्त्रीय समाज निर्माण करण्याची क्षमता विकसित करणे .		H					H								M	
Co4	विद्यार्थ्यां मध्ये सामाजिक संदर्भात सामाजिक समस्या समजून घेण्याची क्षमता निर्माण करणे	H						H				H					
3T2	अभ्यासक्रमाचे नाव - भारतातील सद्यकालीन सामाजिक समस्या	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CO1	विद्यार्थ्यांना सामाजिक समस्या समजून घेण्यासाठी सिद्धांत आणि संकल्पनाचा वापर करण्यास सक्षम करणे .						H			H		M					

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CO2	<p>2. ज्ञानेश्वरांचे अभंग – संत ज्ञानेश्वर – संत ज्ञानेश्वर यांचे वाङ्मयीन कर्तृत्व व अभंगाचा आशय व्यक्त झाला.</p> <p>3. दवाचे थेंब – केशवसुत – या कवितेत केशवसुतांनी आई मुलाच्या संवादातून आई मुलाचे प्रेम व निसर्ग वर्णन सांगितले आहे.</p> <p>4. भंगू दे काठिण्य माझे – बा.सी. मर्ढेकर – मर्ढेकर यांनी परमेश्वरांकडे चांगल्या जीवनासाठी प्रार्थना केली आहे.</p> <p>5. चार शब्द – नारायण सुर्वे – कवीने या कवितेत कामकरी काटकरी लोकांचे जीवन चित्रित केले आहे.</p>	M	H						H		M	L				H	
CO3	<p>व्यावहारिक मराठी :</p> <p>1. व्यावहारिक मराठी- स्वरूप आणि भूमिका – व्यवहारिक मराठीचे मानवी जीवनातील उपयोग.</p> <p>2. भाषिक संवाद व्यवहाराची मूलतत्वे : भाषिक संवादव्यवहाराची मूलतत्वे सविस्तरपणे सांगणे.</p>			H		M							L		H		
CO4	<p>भाषिक कौशल्याधारित अभ्यासघटक :</p> <p>1. वाक्प्रचार-म्हणी संग्रह करणे : वाक्प्रचार व म्हणीचा बोलीभाषेत व व्यवहारात उपयोग.</p> <p>2. शब्दसंग्रह वाढविणे, सुविचार संग्रह करणे : मराठी भाषेतील शब्दसंग्रह व सुविचार मानवी जीवनव्यवहारात वापर व महत्त्व</p> <p>3. प्रत्यक्ष संवाद : प्रत्यक्ष संवाद कसा घडून येतो.</p> <p>4. विविध संस्था, ग्रंथालयांना भेट देणे : विविध संस्था ग्रंथालयांना भेट दिलेल्या.</p>	H		M						H							L
1T1 (Core)	<p>Course Name –</p> <p>Semester 2 आवश्यक मराठी</p> <p>गद्य विभाग :</p>	1	2	3	4	5	6	7	8	9	10	12	13	14	15		

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CO9	दैवी अस्तित्वाच्या शोधात जीवनाचा शेवट म्हणजे वंशावळीचा काळ				H			M											
CO10	जागतिक पाण्याची समस्या आणि पृथ्वीचे पर्यावरण.			H					M										
CO11	मुलाखत कशी द्यावी आणि त्याचे कौशल्य कसे विकसित करावे याचे वर्णन.	H						M											
CO12	जाहिरात कशी लिहावी आणि ती कशी महत्त्वाची आहे.				H				M										
SEM IV	Course Name - आवश्यक मराठी																		
CO1	राज्याने कसे असावे याबद्दल ची संपूर्ण माहिती या पाठातून दिलेली आहे.			H					M										
CO2	टिळकांनी भारतीयांच्या मनात आत्मनिर्णयासाठी संघर्षाची भावना रुजवली.	H							M										
CO3	उग्र दुपारची वेळ आणि तारुण्य.			H						M									
CO4	हिंदू-मुस्लिम भेदभाव आणि प्रेमाने कसे जगावे हा संदेश.	H							M										
CO5	पाश्चात्य संस्कृतीच्या प्रेमात पडलेल्या भाऊ काका आणि बाबीची कथा.				H					M									
CO6	कवींचे क्रांतिकारी विचार			H						M									
CO7	कुसुमाग्रजांची देशभक्तीपर कविता	H							M										
CO8	संघर्ष वृत्ती आणि उच्च आशावाद.				H					M									
CO9	निसर्गाबद्दल प्रेम आणि आपुलकीची भावना.			H						M									
CO10	शेतकरी जीवन आणि निसर्ग या कवितेतून दिसून येतो.	H							M										
CO11	पटकथा आणि संवाद कसे लिहायचे.				H					M									
CO12	स्मरणिका आणि इतर संपादनाचे काम कसे करावे याबद्दल माहिती.	H								M									
SEM V	Course Name - आवश्यक मराठी																		
CO1	साहित्याचा महिमा या पाठातून विनोबा भावे यांनी तत्वे आणि मूल्य स्पष्ट केली आहेत.		H						M										
CO2	तर्वंग या पाठात सभ्य पानाच्या आवरणाखाली दडलेले स्वभाव .			H							M								
CO3	आनंदवन उभारतांना बाबा आमटे आणि साधना आमटे यांचा संघर्ष	H								M									
CO4	महेश एलकुंचावर यांनी कालावाताच्या जीवनातील प्रसिद्धीचे चढ-उतार सांगितलेले आहे.					H					M								
CO5	घर भरणी या पाठातून भिकी आणि मामी यांचे घट्ट झालेले नाते.			H								M							
CO6	संत नामदेवांनी आपल्या अभंगातून नाम स्मरणाचा महिमा व्यक्त केला.	H								M									
CO7	होनाजी बाला यांनी श्रीकृष्णाचे सुंदर वर्णन केले आहे.				H						M								

[illegible]

Santaji Mahavidyalaya, Nagpur															
Program Outcomes 2022 -2023															
Name of Program															
Number of courses(Subjects) -															
Targed Graduate Attributes -															
Program Outcomes															
PO1	बी.ए. भाग 1 ते 3 या तीन वर्षात विद्यार्थ्यांना मराठी साहित्यातील विविध वाङ्मयप्रकारांचा व प्रवृत्ती-प्रवाहांचा काही निवडक प्रातिनिधिक साहित्याकृतींच्या अभ्यासा														
PO2	मराठी साहित्यातील निवडक साहित्यकृतींची व संबंधित वाङ्मयप्रकारांची आशय व अभिव्यक्तीच्या संदर्भात विस्ताराने ओळख करून देणे.														
PO3	मराठी साहित्य व मराठी भाषा याविषयींची प्रगल्भ अभिरुची विकसित करणे.														
PO4	साहित्याचा आस्वाद घेण्याची व त्याचे स्थूलमानाने मूल्यमापन करण्याची क्षमता विकसित करणे.														
PO5	साहित्याच्या अभ्यासातून जीवनविषयक व समाजविषयक जाण विकसित करणे, प्रगल्भ करणे.														
PO6	प्राचीन ते अर्वाचीन अशा मराठी वाङ्मयपटाची स्थूलपणे त्यांना ओळख करून देणे.														
PO7	पदव्युत्तर वर्गातील मराठी साहित्याच्या सूक्ष्म व सखोल अभ्यासाची पार्श्वभूमी बी.ए. भाग 1 ते 3 च्या तीन वर्षांच्या अभ्यासक्रमातून निर्माण करणे.														
PO8	मराठी भाषिक कौशल्ये आणि वाङ्मयीन कौशल्ये हयांची ओळख करून देणे आणि त्यांचे ज्ञान विद्यार्थ्यांमध्ये विकसित करणे.														
PO9	मराठी भाषिक कौशल्यांच्या व्यावहारिक उपयोजनाची जाण विकसित करणे.														
PO10	वाङ्मयासंबंधीच्या विविध मूलभूत संज्ञा-संकल्पनांचा परिचय करून देणे व त्याविषयीची मूलभूत आवश्यक जाणीव निर्मा करणे.														
PO11	मराठी भाषा आणि मराठी साहित्य याविषयीच्या प्रगल्भ अभिरुचीचा विकास त्यांच्यामध्ये होईल.														
PO12	मराठी साहित्यातील निवडक व महत्वपूर्ण साहित्यकृतींचे ज्ञान विद्यार्थ्यांना होईल.														
Program Matrix															
Name of Program															
(Low Correlation = L/1; Moderate Correlation = M/2; High Correlation = H/3)															
Course Outcomes (COs)		Program Outcomes (POs)													
		Domain Specific(PSO)				Domain Independent (PO)									
	Course Name –														
1T1 (Co	Semester 5 Marathi Sahitya	1	2	3	4	5	6	7	8	9	10	12	13	14	15
CO1	पुर्णामायची लेकरं (कादंबरी) गोपाळ निलकंठ दांडेकर 1. कादंबरीचे कथानक आणि विविध व्यक्तीचित्रणे सविस्तर सांगणे. 2. कादंबरीचा आशय, समाजजिवन व त्या अनुषंगाने येणारे जीवन दर्शन या विषयी माहिती 3. भाषा निवेदन संवाद शैली वैशिष्ट्ये सांगणे तसेच कादंबरीतील वऱ्हाडी भाषा तपशिलवार सांगणे.	H	M								L				H
CO2	1. कादंबरी या साहित्यप्रकारा विषयीची माहिती व्याख्या संकल्पना आणि स्वरूप यांच्या आधारे मांडणे 2. कादंबरी या वाङ्मय प्रकाराचे विविध घटक आणि वैशिष्ट्ये सांगणे 3. मराठी कादंबरीची ऐतिहासिक वाटचाल स्थूलमानाने समजवुन सांगणे.	M	H				H			M	L			H	
CO3	दलित साहित्य: एक आकलन डॉ. बाळकृष्ण कवठेकर 1. तत्वचर्चा : दलित साहित्याची व्याख्या व ते कोणत्या तत्वावर आधारित आहे. 2. दलित कथा : दलित कथा व कथाकार या विषयी महत्वपूर्ण माहिती. 3. दलित आत्मकथा : आत्मकथा म्हणजे काय मराठी साहित्यात दलित आत्मकथेचे महत्त्व			H		M						L	H		
CO4	अलंकार आणि प्रतिमा : वाङ्मयीन कौशल्याचा अभ्यास 1. अलंकार संकल्पना व स्वरूप : मराठी साहित्य शास्त्रात अलंकाराचे महत्त्व 2. शब्दालंकार यमक, अनुप्रास, श्लेष : मराठी भाषेमध्ये यमक अनुप्रास आणि श्लेष कसे वापरले जातात. 3. अर्थालंकार : मराठी साहित्यामध्ये उपमा उत्प्रेक्षा, रूपक व दृष्टांत कसे वापरले जातात याविषयीचा अभ्यास.	H		M					H						L
	Course Name –	1	2	3	4	5	6	7	8	9	10	12	13	14	15

1T1 (Co	Semester 6 Marathi Sahitya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	<p>एक होता कॉर्हॅर (चरित्र) : विणा गव्हाणकर</p> <p>1. या चरित्रातील कॉर्हॅरचे व्यक्तिचित्रण व त्याच्या व्यक्तिचित्रणा भोवती गुंफलेले कथानक.</p> <p>2. कॉर्हॅर यांच्या समाजातील विविध पैलुंचे दर्शण व समाजातील असमानता त्यामुळे त्यांचे अत्याचारीत आयुष्य.</p> <p>3. एक होता कॉर्हॅर या चरित्र ग्रंथाची वैशिष्ट्ये</p>	M		H					L					H		H
CO2	<p>1. चरित्र या साहित्यप्रकारा विषयीची माहिती व्याख्या संकल्पना आणि स्वरूप यांच्या आधारे मांडणे</p> <p>2. चरित्र या वाङ्मय प्रकाराचे विविध घटक आणि वैशिष्ट्ये सांगणे</p> <p>3. मराठीतील चरित्र वाङ्मयाचा प्राचिन व अर्वाचिन इतिहास</p>	M	H			H		H		M	L				H	
CO3	<p>प्राचिन मराठी वाङ्मयाचा इतिहास :</p> <p>1. ज्ञानदेवे रचिला पाया : संत ज्ञानेश्वर यांचे जिवन दर्शन व वाङ्मय दर्शन</p> <p>2. नामयाची वाणी अमृताची खाणी : संत नामदेव यांच्या वाङ्मयाची वैशिष्ट्ये</p> <p>3. कलाकवी मुक्तेश्वर : यांचे प्राचीन मराठी वाङ्मयातील स्थान</p> <p>4. तुकारामाचे अभंग वाङ्मयातील महत्वपूर्ण स्थान</p>			H		M			L				L	H		
CO4	<p>वाङ्मयीन शैली आणि तंत्र</p> <p>1. भाषाशैली: गद्य पद्य साहित्यप्रकारात भाषाशैलीचे महत्व</p> <p>2. शब्दकळा : गद्य पद्य साहित्यप्रकारात शब्दकळेचे महत्व</p> <p>3. वाक्यरचनेचे साहित्यातील महत्व</p> <p>भाषा शैली विकसीत होत जाते.</p>	H		M					H				H			L

[illegible]

[illegible]

CO1	<p>8. पिंटीची गोष्ट : नागनाथ कोतापल्ले यांचे कथा विश्वातील महत्त्व कथेचा आशय व अभिव्यक्ती</p> <p>9. अम्मा : या कथेतुन प्रिया तेंडुलकर यांनी स्त्री विषयक जाणीवा व्यक्त केल्या आहेत.</p> <p>10. घे गगनभरारी : लक्ष्मण टोपले यांच्या कथेचा आशय व अभिव्यक्ती</p>			H					L			H		H
CO2	<p>1. कथा वाङ्मय प्रकार व्याख्या संकल्पना व स्वरूप याविषयीची माहिती</p> <p>2. कथा या वाङ्मय प्रकाराचे विविध घटक आणि वैशिष्ट्ये</p> <p>3. मराठी कथा स्वातंत्र्यपूर्व आणि स्वातंत्र्योत्तर कथेचा इतिहास</p>	M	H			H		H		M	L		H	
CO3	<p>अभिनव काव्य प्रकाश : रा.श्री.जोग</p> <p>1. अर्थ विचार आणि शब्दशक्ती : शब्दाच्या शक्ती सांगुण अर्थ विचार स्पष्ट करणे</p> <p>2. अलंकार विचार : अलंकार विचाराचे मराठी साहित्यात अनन्य साधारण महत्त्व</p>			H		M			L			L	H	
CO4	<p>मराठी छंदवृत्त वाङ्मयीन कौशल्याचा अभ्यास</p> <p>1. छंद-वृत्त-लय यांच्या संकल्पना व अर्थ</p> <p>2. अक्षरगणवृत्त : स्वरूप व घटक यांचा साहित्यात उपयोग</p> <p>3. जाती मात्रावृत्त स्वरूप व घटक यांचा साहित्यात उपयोग</p> <p>4. अक्षरछंद : स्वरूप व घटक यांचे ओवी व अंभंग यांच्यामध्ये महत्त्वाचे स्थान</p>	H		M					H			H		L