OUTCOME o f PROGRAMME
Economics

	B.A ECONOMICS
Programme outcome	• After completion of 3years of B.A. programme students will able to understand the basic concepts of economics. • This programme enhancing the ability of students regarding economic professional and vocational skills. • This goal may be achieved by using time tasted teaching techniques. To meet dynamic scenario of economic and financial world, students are directed to visit library frequently and feedback are taken from them. • Ensuring high standard of attitude by giving knowledge and making students strong to compete in this competitive world. • This programme helps student's employability in current economy scenario. Students will aware of current Indian and International Economy.
Programme Specific outcome	• After successful completion of the programme the students will be able totake decisions in economic area. • Students can easily understand the roll of RBI and Finance department of India. They can also understand the financial decision taken by any financial agency. • The student will get graduation degree in B.A. with economics.
Course Outcomes	
Major 101 & Minor 102 (Micro Economics -1)	• The Objectives of this paper is to introduce the basic concepts of economics to the students so as to able them for further learning in economics. • The students acquire knowledge about demand and supply, utility analysis and elasticity of demand. • Students will be able to demonstrate knowledge of the laws of demand and supply and apply the supply and demand model to analyze responses of markets to external events. • By the end of the course, students will be able to explain and calculate price elasticity of demand.
Major 101 A (Money & Banking)	• The main objective of this paper is to introduce the students to basic understanding of macro economics and public finance. • The students get information regarding money, Inflation and commercial Banking.
Major 201 & Minor 202 (Micro Economics-2)	• To gain knowledge about Income Elasticity of Demand and Cross elasticity of Demand, Theory of Production & Cost, Market structure and factor pricing. • To introduce the basic concepts of Rent, Interest, normal wages and real wages, Gross profit and net Profit, and Economics Welfare.
Major 202A (Banking & Public Economics)	• The students get knowledge of Commercial Banking, Central Banking andPublic Economics. • To aware the students about recent reforms in banking sector in India and functions of co-operative Banks. Concept of Tax and effects of Taxation.
303(CC/CE) (Micro EconomicsPart-2)	• To gain knowledge about price mechanism and market equilibrium, Theoryof demand (cardinal utility analysis and Cordial utility analyses, price effect, income effect and substitute effect, and Theory of cost and revenue. • The main objective of the paper is to analyze the economics behavior of individual, firm and market.
304(CC/CE) (Indian Economypart-1)	• To make the students familiar with The main problems and characteristic ofdifferent sectors of Indian economics. • The students acquire information of Human development index, changing

	structure of Indian economy, population, Problems of poverty and unemployment,.
	• To know about National Resources in India.
305(CC) **(Economics system part-1)**	• To make the students familiar with the basic philosophy and objects of different economic system.
	• The course also aims to introduce the merit and demerits of different economic systems.
	• Students will learn Economic System, Capitalism, Merits and demerits of Capitalism, Gandhian Economic Thoughts.
403(CC/CE) **(Micro Economics Part-2)**	• Objective of this paper is to analyze the Economic behavior individual, Firm and Market.
	• Students will learn perfect competition and monopoly and monopolistic competition.
	• The students get knowledge of distribution of national Income and welfare economics.
404(CC/CE) **(Indian Economy part-2)**	• To make the students familiar with the main problems and characteristic of different sectors of Indian economy.
	• The students acquire Information about planning, agriculture and Industrial sector.
	• To know the role of private sector, public sector and co-operative sector in the development of industrial and tertiary sector. Special economic zone and Special economic region.
405(CC) **(Economics system part-1)**	• To make students familiar with the basic philosophy and objects of different economic systems and merits and demerits of different economic systems.
	• To gain Information about capitalism, socialism and nationalization policy.
	• To know about analysis of capitalism by Karl marks crisis of capitalism illustrated by Karl marks.
506(Macro Economics Part-1)	• To gain knowledge about various concepts of national income measurement &limitation.
	• The students acquire information about the different economists like J.B.say, Fisher Cambridge and Milton Fridman and their principals.
507(International Economics)	• This course provides the students a thorough understanding and deep knowledge about basic principal that tend to govern the free flow of trade in goods and services at the global level.
	• The students would also be well trained about the rational of recent changes in the export-import policies of India.
508(Public Economics)	• To aware the students with fundamentals of fiscal policy, fiscal federalism and public Economics.
	• The students acquire knowledge of public finance, public goods v/s private goods and limitations of fiscal policy.
509(B) (Economics of developing countries)	• To know meaning of under devolvement and developing economy, unemployment, population and poverty.
	• The students get knowledge about characteristics of under developed economy, concept of poverty and changes in agriculture. Agricultural development, Nabard and Nationalization banks
510(Co-Operation)	• The main objective of this paper is to introduce students about principal of co-operation, types of co-operative societies and origin and development of co-operation.
606(Macro Economics Part-2)	• To aware the students to rate of interest, trade cycles, supply of money and value of money. To know theory of keynes and hawtry.
607(International Economics-2)	• The students acquire knowledge of foreign exchange rate, balance of trade, foreign trade in India and International Institutions. To know Export Import

	polices in India and contribution of SEZ in India.
608(Advance Public Finance)	• To gain Information about sources of public revenue, public expenditure and public debt. The students get detail information of taxation.
609 (Economics of developing countries)	• To introduce the students to monetary and fiscal policies, foreign trade and development and International monetary system. • The students know the role of privatization, liberalization and globalization in developing countries. Multinational corporations and International Monetary Fund.
610(Banking)	• The student acquires knowledge about Indian Banking system. • To know the role of RBI in Indian Economy. The students gain information about the main features of policy since 1991 monetary. Chaque, payments of chaque clearing housing, IDBI, ICICI, IFCI.
MA Economics	
Programme outcome	• After completion of 2years of MA. programme students will able to understand the basic concepts of economics. • This programme enhancing the ability of students regarding economic professional and vocational skills. • This goal may be achieved by using time tasted teaching techniques. To meet dynamic scenario of economic and financial world, students are directed to visit library frequently and feedback are taken from them. • Ensuring high standard of attitude by giving knowledge and making students strong to compete in this competitive world. • This programme helps student's employability in current economy scenario. Students will aware of current Indian and International Economy.
Programme Specific outcome	• After successful completion of the programme the students will be able totake decisions in economic area. • Students can easily understand the roll of RBI and Finance department of India. They can also understand the financial decision taken by any financial agency. • The student will get graduation degree in B.A. with economics.
Course Outcomes	
CC 101 AND CC201 (Micro Economics-1)	• The Objectives of this paper is to introduce the basic concepts of economics to the students so as to able them for further learning in economics. • The students acquire knowledge about demand and supply, utility analysisand elasticity of demand. • Students will be able to demonstrate knowledge of the laws of demand and supply and apply the supply and demand model to analyze responses of markets to external events. • By the end of the course, students will be able to explain and calculate price elasticity of demand
CC102 AND 202 MACRO ECONOMICS	• The main objective of this paper is to introduce the students to basic understanding of macro economics and public finance. • The students get information regarding money, Inflation and commercial Banking.
CC103 AND CC203 QUNTITIVE METHODES	• The Main objective of this paper is to train students to use the techniques of • mathematical and statistical analysis, which are commonly applied to understand and analyze • economic problem. The emphasis of this paper is understanding economic concepts with the

	• help of mathematical methods rather than learning mathematical it self. Preamble: • The Main objective of this paper is to train students to use the techniques of mathematical and • statistical analysis, which are commonly applied to understand and analyze economic problem. The • emphasis of this paper is on understanding economic concepts with the help of mathematical methods • rather than learning mathematical it self.
CC104 AND 204 THEORY AND PRECTICE OF CO OPRETION	• . The main objective of this paper is to introduce students about principal of • co-operation, types of co-operative societies and origin and development of co-operation.
ID 105 AAGRICULTURE ECONOMICS	• To make the students familiar with the main problems and characteristic of different sectors of Indian economy. • The students acquire Information about planning, agriculture and Industrial sector. • To know the role of private sector, public sector and co-operative sector in the development of industrial and tertiary sector. Special economic zone and Special economic region.
ID 205 INDUSTRIAL ECONOMICS	• In the contemporary world with globalization and liberalization more and • more attention is being given to industry. This course intends to provide knowledge to • the students on the basic issues such as productivity, efficiency, capacity utilization • and debates involved in the industrial development of India. The objective is to • provide a thorough knowledge about the economics of ind
CC 301 AND CC401 PUBLIC FINANCE	• The students get knowledge of Commercial Banking, Central Banking and Public Economics. • To aware the students about recent reforms in banking sector in India and functions of co-operative Banks. Concept of Tax and effects of Taxation.
CC 302 AND CC402 INTERNETION AL ECONOMICS	• This course provides the students a thorough understanding and deep knowledge about basic principal that tend to govern the free flow of trade in goods and services at the global level. • The students would also be well trained about the rational of recent changes in the export-import policies of India.
CC303 AND CC403 PLANING DEVELOPMEN T POLICY	• The objectives of this paper at the Post-Graduate would to sharpen and • analytical ability of the students and functioning of Indian Economy with • various policies with alternative approaches for further growth. This means • that P.G.Students need to be aware about the planning period in India. • Unit • To introduce the students to monetary and fiscal policies, foreign trade and development and International monetary system. • The students know the role of privatization, liberalization and globalization in developing countries. Multinational corporations and International Monetary Fund.
CC 304 ECONOMY OF GUJARAT	• The objective of the course is to familiarize the P.G. student about the economy of Gujarat. • This type of study is very helpful to understand regional problems of natural resources, • Industries, agricultural and Infrastructure . • Unit-1 Natural Resources- (Role and related Problems) :Forest, Water and land; water • Scarcity and dark zones, Watershed Programmes. Water Management,

	• Multipurpose Water Storage (Narmada, Kalpsor
CC404 ENVIRMENT ISSUSE	• The main objective of this course is to appraise and sensitive student about major • environment issues of India and develop skill to analyze them with the help of appropriate • theoretical frames. • Unit 1: Environmental Issues of Primary Sector • Changing Land use and cropping pattern and environmental issues, the problem of • grazing land , pasture and live –stock management ; the problem of conservation of forests • and bio- diversity; supply and quality of groundwater
ID 305 GADHIAN ECONOMICS	• The main objective of this course is to give information about gandhian thinking on • economic issues, and the solution of the same. The country facing many economic problems and • issues. This is tearful, fearful and jobless development. We want to jobful, tearless and fear less, • balanced, inclusive growth, which is possible through implementation of Gandhian economics. •
ID 405 INDIAN ECONOMIC POLICY	• The objectives of this paper at the Post-Graduate would to sharpen and analytical ability of • the students and functioning of Indian Economy with various policies with alternative approaches for further • growth. This means that P.G.Students need to be aware about the planning period in India • Unite :- 1. Planning In India • Objectives and Strategy of planning, A critical evaluation of Indian planning,, NITI Ayog and it's

OUTCOME of PROGRAMME ENLISH
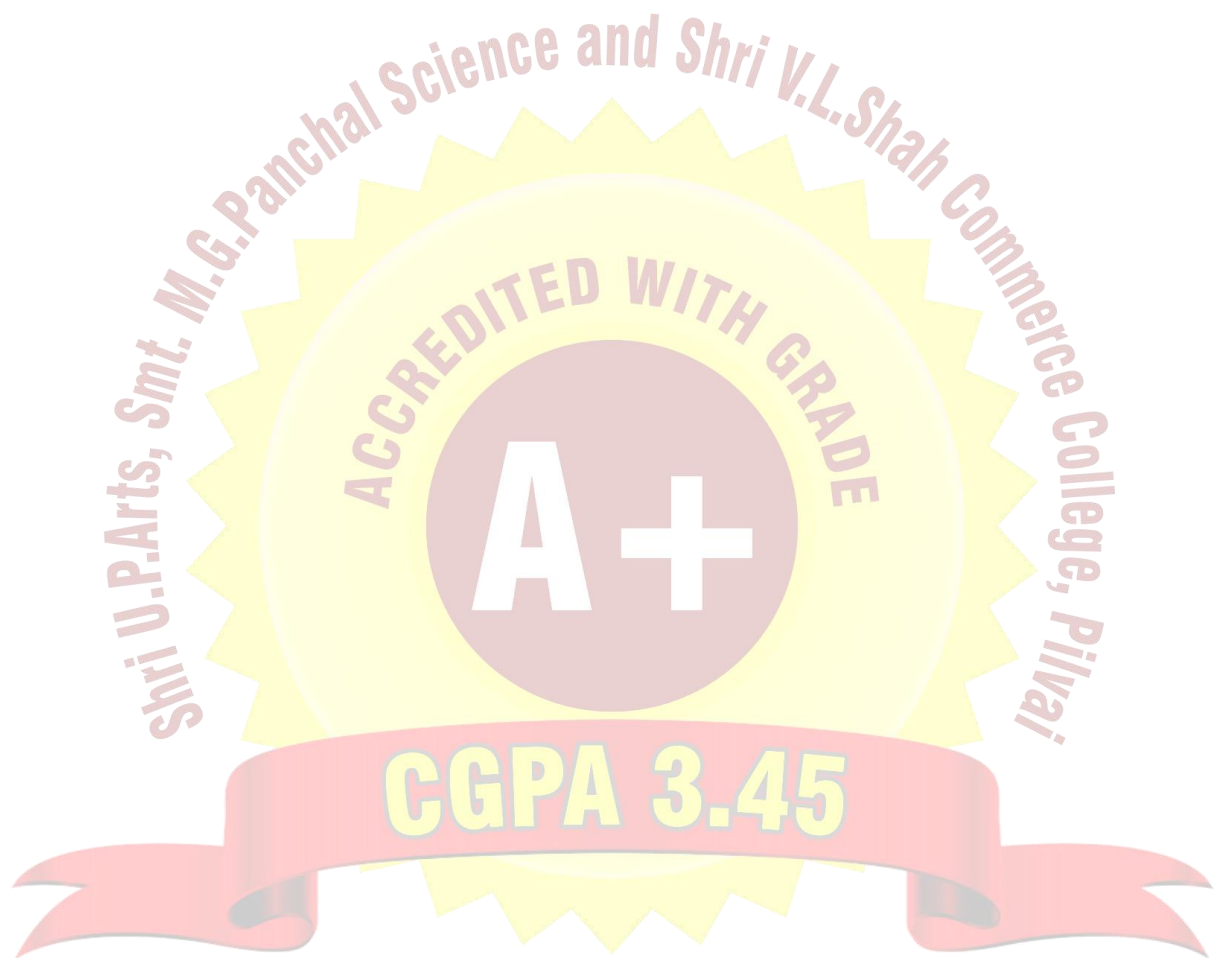
Department of English	
Program Outcomes (PO)	This program is providing a vital step leading to many opportunities for a rewarding career. Students develop critical thinking, effective communication, creativity, independent judgment and versatility through this in different perspectives.
	To enable the students to speak basic English. Developing personal and professional and vocational abilities through effective spoken skills as well as other aspect of ENGLISH language.
	On successful competition of the programme students will be more efficient in English.
	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in Gujarati and English. Connect with the world through people, ideas, books, media and technology.
	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
Program Specific Outcomes (PSO)	Through this program student are able to get the basic knowledge of ENGLISH language.
	To enable the skill of listing, Reading, Speaking, Writing, in English. Knowledge of English will connect the students with the world.
	The National Education Policy (NEP) 2020 emphasizes the development of language skills, including English. The course outcomes of compulsory English subjects under NEP 2020 typically aim to achieve proficiency in English language communication, comprehension, reading, and writing skills. This includes:
	1. Proficiency in spoken English: Ability to communicate effectively in spoken English, including fluency, pronunciation, and clarity of expression. 2. Reading comprehension: Capability to understand and analyze various texts, including literary works, articles, and academic materials. 3. Writing skills: Competence in writing coherent and well-structured essays, reports, letters, and other forms of written communication. 4. Grammar and vocabulary: Mastery of grammar rules, syntax, and a wide range of vocabulary to enhance communication and expression. 5. Critical thinking and analysis: Development of critical thinking skills through the interpretation and evaluation of texts, arguments, and ideas presented in English. 6. Cultural understanding: Appreciation and understanding of the cultural context embedded in English literature and language usage. 7. Effective communication: Ability to engage in meaningful discussions, debates, and presentations in English, demonstrating confidence and clarity of expression. These outcomes are designed to equip students with the necessary language skills to succeed academically, professionally, and socially in an increasingly globalized world.
B.A Course Outcome (CO)	
English Paper – AEC 104	To enable with the different aspects of English language. To enhance the knowledge of English language.
English Paper – AEC 204	Students will be familiar with the basic concept of English grammar. Students will be introduced with the major writer of the world.

English Paper –FC ENG 301	Learning a language through literature. Moral awareness will be establishing in students.
English Paper –FC ENG 401	To enhance the knowledge of English vocabulary. The knowledge of writing speech, letters, and application.
English Paper –FC ENG 501	Students will take in reading various genre of English. They willbe write their own thoughts. Students will be able to communicate in English.
English Paper –FC ENG 601	They will be familiar with world's greatest writer. Students will be familiar with the English grammar which help them in competitive exam.
B.Com Course Outcome (CO)	
Commerce Paper – AEC English	Students will be able for the communication in English. Students will be familiar with the process and objectives of communication. Able to face meetings and interview.
Commerce Paper – AEC English	They will be able to write Application, Resume and Letters in English language. Enable students to use PowerPoint presentation. Communication skill such as Listing, Reading, Writing andSpeaking will be developing. To give them the basic knowledge of English language whichhelps them for the Competitive exam.
Commercial Communication Paper- CC 204	Students will be able to reflect their thought in English language. They will be familiar with the banking correspondence. Enable the students to use simple English in their daily communication.
Organization Communicat ionPaper CC 208	Students will be able to do survey to make questionary and to make memorandum which helps them in this modern world. Theywill be familiar with many new commercial terms. Enhancement of communication skill.
Correspondence Communication Paper –CC 303	Listing, reading, writing and speaking skill will be developing. Students will be familiar with current trades of the Business.
M.P.R.C Paper –CC 308	Students will be able to communicate more effectively in English language. They will be familiar with the major commercial terms.
B.Sc. Course Outcome (CO)	
English (1) Paper – AEC 104	Students will be familiar with the different genre of the literature.To enable with the different aspects of English language. To enhance the knowledge English language.
English (2) Paper- AEC 204	Students will be familiar with the basic concept of English grammar. Students will be introduced with the major writer of the world.
English (3) Paper – compulsory	Learning a language through literature. Moral awareness will be establish in students.
English (4) Paper – compulsory	To enhance the knowledge of English vocabulary. The knowledgeof writing speech, letters, and application.

English (5) Paper – compulsory	Students will take in reading various genre of English.They will be write their own thoughts. Students will be able to communicate in English.
English (6) Paper – compulsory	They will be familiar with world's greatest writer. Students will be familiar with the English grammar which helpthem in competitive exam.

OUTCOME of PROGRAMME GUJARATI

|	Department of Gujarati
Programme Outcome BA	The Department of Gujarati Graduate program intends to preserve further and disseminate the various aspects and forms of ancient Gujarati Literature in modern perspectives and aspirations. The program aims atequipping and enabling future respective of different knowledge domains, like Middle Age Poetry and Modern Literature etc. To empower the students with modern and scientific tools and Inter-disciplinary approach and to design such modules to help them in becoming good citizen, are other important aims of this course. This is the curriculum that can be developed in today's students by literary words.
Programme Specific Outcome BA	• Develop students' literary, imaginative, and aesthetic perspectives. • Literature is the mirror of society, so through the curriculum, students learn about the changing horizons of society and literature. • Study literature with an emphasis on form and thematic diversity. • Through literary works, students become language-oriented, literature-oriented, art-oriented, and life-oriented. • Students develop linguistic proficiency and language skills. • Students cultivate a sense of social responsibility through the study of language and literature. • Students learn about the emotions, thoughts, heritage, and culture of Indianness through literature. • Students become competent for competitive examinations. • Students develop creative and writing skills. • Character building through the study of literature. • Literature strives for and enhances values and moral values. • Students become empathetic. Foster a sense of brotherhood and equality towards Indian and global citizens. • Strengthen the sentiment of 'I am a Gujarati - an Indian'. • Foster the idea of global brotherhood. • 15. Strive to integrate individual life with societal life.
B.A. Course Outcomes	
AR23MJDSCGUJ101 & AR23MIDSCGUJ102	• Get an introduction to the major literary forms of medieval Gujarati literature. • Learn about the life and poetry of medieval legend Shiromani Premananda. • Knowledge – Bhakti – Understand the glory of Karma. • Know what friendship is like. • Socialize the basics of language and grammar. • Be oriented towards practical writing. • Develop rapport with mother tongue.
AR23MJDSCGUJ101A	• Student knows about the major prose genres of Gujarati literature. • Get an introduction to the formal features of the novel. • Familiarize with the movement of Gujarati novel. • Get exposed to representative Gujarati novels. • Acquire language skills. • Develop an understanding of practical grammar. • To qualify for competitive exams.
AR23IKSGUJ105C	• Be familiar with the knowledge heritage of Indian culture. • Know the character of Sri Krishna depicted in novel form. • Motivated to read books like Srimad Bhagavatam depicting the character of Sri Krishna and other novels on the character of Krishna.

AR23VACGUJ205B	* Students develop familiarity with our traditional heritage * To develop aesthetic perception, imagination and aesthetic perception of students * Students understand the difference between literature and folklore.
AR23SECGUJ106A & AR23SECGUJ206A	• Become familiar with Gujarati practical writing. • Develop writing skills. • Develop proficiency in mother tongue. • Be eligible for competitive exams. • Develop rapport with mother tongue. • Develops perception, cognition and imagination.
CC & CE –303 & 403	(Gujarati Sahitya Swaroop no Abhyas: Madyakalin Pad Sahitya Swaroop)It helps the students to be spiritual. It also gives them depiction of medieval Gujarati Literature. (Gujarati Sahitya Swaroop no Abhyas; Aravachin; Nibandh) It helps them to develop a new vision towards nature so that they can look at life with positive angle. It also helps them to develop a literary vision.
CC & CE –304 & 404	The fourth paper of the curriculum is studying the works of Narmad and Pannalal Patel, which is 'Study of Granthaar'. He knows about the poem and novel form. Through the novel, the moral values are matched by social problems and the sensitization of poetry.
CC 305 & 405	The fifth paper of syllabus is History of Gujarati literature. In this paper students know the glories history of Gujarati Liturature like Madhyakal.
CC 506 & 606	(Gujarati Sahitya no Abhyas; Aravachin1-2) It gives them depiction of various authors and literary genres of Gujarati Literature which help them to develop literary point of view.
CC 507 & 607	The Seventh paper syllabus is Gujarati Grammar and Language. The Students Teach Gujarati Grammar That, in the Future, can work as a Language Expert and know the basic rules of grammar.
CC 508 & 608	(Sahityasiddhant Vichar 1-2) It introduces them to the principles of Literature which enables them to be creative. It also moulds them towards creative writing.
CC 509 & 609	(Sahityakruti no Abhyas; Padya) It introduces them to the modern poetry of Gujarati Literature. It evokes love for nature in them. It also teaches them family as well as cultural values. (Sahityakruti no Abhyas- Gadya) It enables them to be rich in language proficiency. It also introduces them to rural cultural.
CC 510 & 610	The tenth paper is the curriculum transaction language. This paper has been included to provide employment benefits to the students. This paper can become a good journalist and good speaker by the student.

Master of Arts

Programme Outcome & Course Outcomes	1) An arrangement has been made in the curriculum to develop students' literary and imaginative aesthetic perspectives. 2) Literature is a reflection or mirror of social life, hence students are taught to understand such contexts through the curriculum, which reflects changing societal perspectives. 3) The curriculum also pays attention to nurturing internal insights related to literature among students who have excelled in literary arts. 4) Special consideration is given in this curriculum for providing opportunities for students who have excelled in literary arts to pursue careers in mass media or journalism. 5) The aim of this new curriculum is to make students not only proficient

	in Gujarati literature but also familiar with Indian and world literature, as well as oriented towards language and arts, and life-oriented.
	6) In addition to Gujarati literature, students are exposed to perspectives from Indian and world literature in this curriculum.
	7) The curriculum also provides options based on students' interests and preferences.
	8) By studying Indian literature, students learn about the heritage of Indian thought and culture, and by studying world literature, they gain knowledge about global perspectives and cultures, which is given special emphasis in this curriculum.
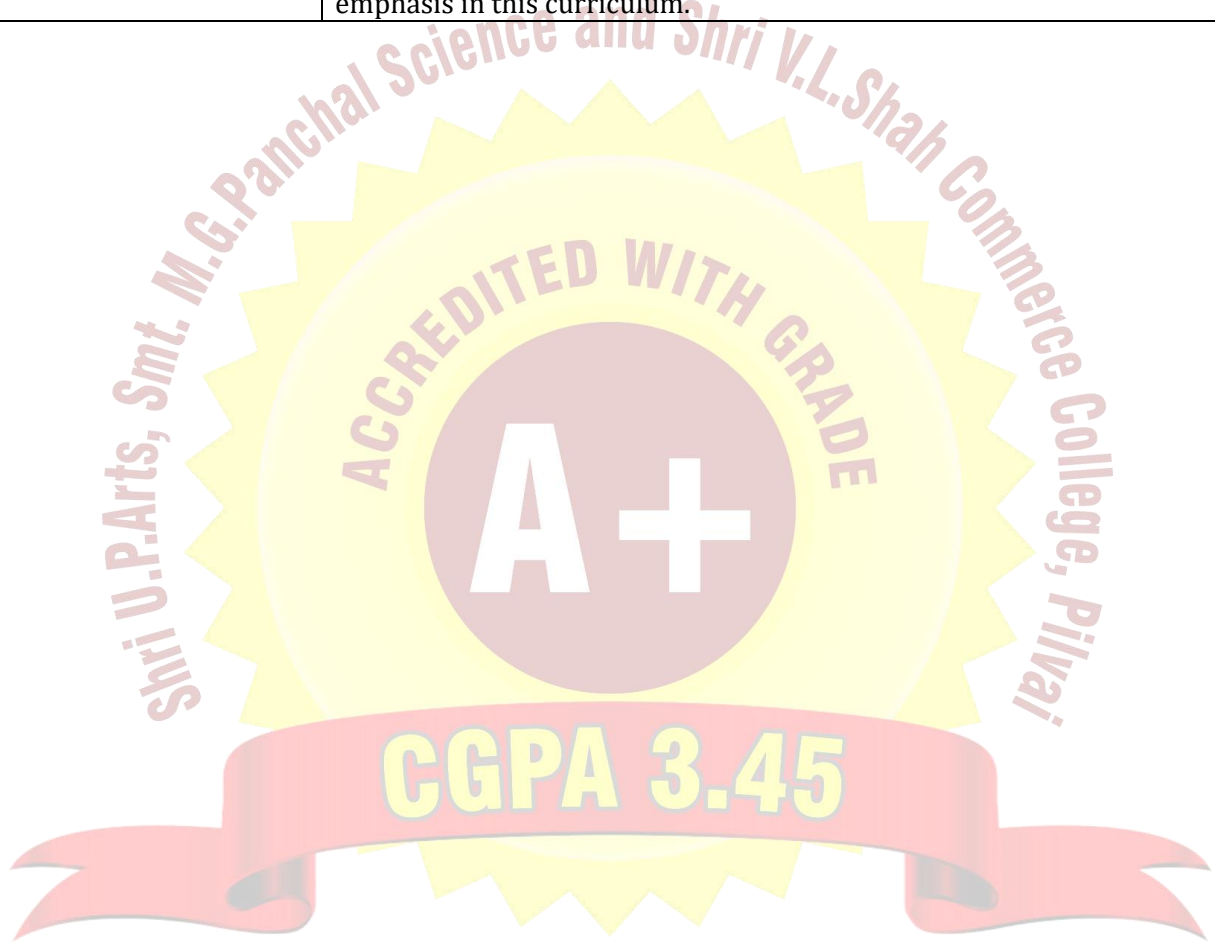
OUTCOME of PROGRAMME
HISTORY

Department of History	
Programme outcome	For undergraduate BA programs in history, learning outcomes typically include: 1. *Historical Knowledge*: Students should develop a comprehensive understanding of key events, figures, and developments in various historical periods and regions. 2. *Critical Thinking*: Analytical skills are crucial, enabling students to evaluate historical sources, arguments, and interpretations critically. 3. *Research Skills*: Students should learn how to conduct historical research, including locating and analyzing primary and secondary sources, and synthesizing information to form coherent arguments. 4. *Communication*: Effective written and verbal communication skills are essential for presenting historical arguments clearly and persuasively. 5. *Contextualization*: Students should be able to place historical events and phenomena within their broader social, political, economic, and cultural contexts. 6. *Historiography*: Understanding different historical approaches and interpretations, as well as the evolution of historical thought, is important for developing a nuanced understanding of the discipline. 7. *Ethical Awareness*: Recognizing the ethical implications of historical study, including issues related to bias, representation, and cultural sensitivity. 8. *Interdisciplinary Connections*: Appreciating how history intersects with other disciplines, such as sociology, anthropology, political science, and literature, enriches students' understanding of the past.
Programme Specific Outcome	Program-specific outcomes for a history undergraduate BA program might include: 1. *Historical Periodization*: Students can identify and analyze key historical periods, events, and developments within their specific geographical and chronological contexts. 2. *Historical Methodologies*: Understanding and applying various historical methodologies, such as social history, cultural history, political history, economic history, and intellectual history, to interpret primary and secondary sources. 3. *Research Proficiency*: Conducting independent research projects, including formulating research questions, locating and evaluating primary and secondary sources, and synthesizing findings into coherent arguments. 4. *Historical Writing*: Demonstrating proficiency in writing historical essays, research papers, and other scholarly works, following appropriate citation styles and academic conventions. 5. *Historical Interpretation*: Developing the ability to critically analyze and interpret historical evidence, perspectives, and narratives, while recognizing biases and considering multiple viewpoints. 6. *Public History Engagement*: Engaging with public history practices, such as museum studies, archival work, oral history projects, and community outreach initiatives, to communicate historical knowledge to broader audiences. 7. *Global Perspective*: Exploring global connections and exchanges, including the impact of imperialism, colonialism, globalization, and transnational movements on historical processes and phenomena. 8. *Critical Engagement*: Engaging in debates and discussions about historical controversies, debates, and interpretations, while respecting diverse viewpoints and contributing to academic discourse. 9. *Digital Literacy*: Utilizing digital tools and technologies for historical research, data analysis, visualization, and presentation, while understanding the ethical and methodological implications of digital

	history practices. 10. *Capstone Experience*: Completing a capstone project or thesis that demonstrates mastery of historical research methods, critical analysis, and written communication skills on a specific topic of interest.

Courses Outcomes

B.A.SEM-I&II PAPER- **major 101,101-A** **minor -102, MD 103,** **Value 105, skill 106, &** **major 201, 201-A** **minor -202, MD 203,** **Value 205, skill 206**	1 Knowledge of our history and heritage through which significant development in the history of the Indian sub continent from earliest. 2. Respect for national ethic, human values and ideals constitutional values. 3. Students will acquire knowledge regarding the primitive life 4. They can gather knowledge about the society, culture, religion and political history of ancient India
B.A.SEM-III&IV PAPER-303,304,305 &403,404,405	The outcomes for papers in the third and fourth semesters of a BA in History program may include: Semester 3: 1. *Foundations of Historical Study*: Introducing students to fundamental concepts, theories, and methods in historical study, including the analysis of primary sources and historiographical debates. 2. *Survey of Historical Periods*: Providing a broad survey of historical periods or regions, such as ancient civilizations, medieval Europe, early modern history, or modern world history, to establish a chronological and geographical framework. 3. *Introduction to Historical Research*: Introducing basic research skills, including library and archival research, citation practices, and the evaluation of secondary sources, to prepare students for more advanced research projects. 4. *Writing Skills Development*: Developing foundational writing skills through assignments such as essays, response papers, and document analyses, focusing on clarity, organization, and argumentation. 5. *Critical Thinking and Analysis*: Cultivating critical thinking skills through the analysis and interpretation of historical sources, events, and narratives, encouraging students to question assumptions and consider multiple perspectives. Semester 4: 1. *Thematic Exploration*: Exploring specific themes or topics within historical periods, such as social, cultural, political, economic, or intellectual history, to deepen understanding of key historical concepts and issues. 2. *Regional Focus*: Emphasizing the study of particular regions or civilizations, allowing students to develop expertise in a specific geographical area and explore its historical developments in greater depth. 3. *Advanced Research Skills*: Building upon foundational research skills by introducing more advanced research methodologies, such as oral history, quantitative analysis, or digital humanities approaches. 4. *Historical Interpretation and Argumentation*: Encouraging students to construct historical arguments based on evidence from primary and secondary sources, and to articulate their ideas effectively through written and oral communication. 5. *Interdisciplinary Connections*: Exploring connections between history and other disciplines, such as literature, art, anthropology, or sociology, through interdisciplinary coursework or collaborative projects. 6. *Critical Engagement with Sources*: Developing skills in critically evaluating historical sources for reliability, bias, and context, and

	understanding the ethical considerations involved in historical research and representation. These outcomes aim to provide students with a solid foundation in historical study, research, critical thinking, and communication skills, preparing them for more advanced coursework and research in subsequent semesters of the BA in History program.
B.A.SEM-V&VI PAPER-506,507,508,509,510,& 606,607,608,609,610	The outcomes for papers in the fifth and sixth semesters of a BA in History program may vary depending on the specific courses offered by the institution. However, here are some general outcomes that could be expected: Semester 5: 1. *Advanced Historical Topics*: Students will explore specialized topics within historical periods or themes, demonstrating a deeper understanding of complex historical phenomena. 2. *Research Skills Development*: Enhancing research skills through coursework that requires students to engage with primary sources, conduct independent research, and critically evaluate scholarly literature. 3. *Historiographical Analysis*: Encouraging students to analyze and critique different historiographical interpretations and approaches to historical study. 4. *Writing Proficiency*: Further developing writing skills through assignments such as research papers, essays, and critiques, demonstrating clarity, coherence, and analytical depth. 5. *Critical Thinking*: Fostering critical thinking skills through discussions, debates, and analyses of historical events, ideas, and interpretations. Semester 6: 1. *Advanced Seminar*: Engaging in advanced seminar-style courses that emphasize student-led discussions, presentations, and in-depth analysis of specialized topics or research areas. 2. *Capstone Project or Thesis*: Completing a substantial independent research project or thesis under the guidance of a faculty advisor, demonstrating mastery of research methods, critical analysis, and scholarly writing. 3. *Public Presentation Skills*: Developing skills in presenting historical research findings to academic and non-academic audiences through oral presentations, posters, or multimedia formats. 4. *Historical Methodologies*: Deepening understanding of historical methodologies and approaches through coursework that explores specific methodological frameworks and their applications to historical research. 5. *Interdisciplinary Connections*: Exploring connections between history and other disciplines, such as literature, sociology, anthropology, political science, or economics, through interdisciplinary coursework or research projects. 6. *Professional Development*: Providing opportunities for students to engage in professional development activities, such as internships, workshops, or conferences, to prepare for future academic or career pursuits in history or related fields. These outcomes aim to equip students with the knowledge, skills, and abilities necessary to succeed in advanced historical study, research, and professional endeavors.

OUTCOME of PROGRAMME HINDI

Department of Hindi

Programme Outcome	The Department of Hindi Graduate program intends to preserve further and disseminate the various aspects and forms of ancient Hindi Literature in modern perspectives and aspirations. The program aims at equipping and enabling future respective of different knowledge domains, like Middle Age Poetry and Modern Literatures. To empower the students with modern and scientific.
	Tools and Inter-disciplinary approach and to design such modules to help them in becoming good citizen, are other important aims of this course.
Programme Specific Outcome	The Student should be able to demonstrate: Students can work anywhere in India, as they know Hindi – Our National Language. In many other countries also, Hindi is used as an Official Language as well as second Language. So they can easily be employed easily in those countries also. An increased knowledge and understanding of Hindi Grammar. A basic familiarity of the history of Hindi literature. The passages to be read, translated, interpreted and discussed in class are taken. As they are Practicing Translation from Hindi to Gujarati and Gujarati to Hindi and some other Languages as well, they can become Translators in many Central Govt. Offices.
B.A. Course Outcomes	
MAJOR-101 MINOR-102	Students will be familiar with the poetic form of poetry. Students will be acquainted with the expressed national and social consciousness in student poetry. Through student poetry, they will acquire awareness of moral values and will be inspired for the upliftment of society and the nation. Students will engage with student poetry with emotional attachment by encountering various subjects, sentiments, and emotions expressed in it. ⏐
MAJOR-101A	Students of language and literature will become acquainted with the developmental journey of the student story and the form and elements of storytelling. In the compiled stories of 'Katha-Kusum,' students will become familiar with depicted events, personal joys and sorrows, inherent characteristics of characters - weaknesses, social issues, contemporary environment, language - richness, etc. Students of language and literature will become acquainted with language richness in student storytelling, including word selection, idioms, proverbs, and descriptive, autobiographical, epistolary, dialogic styles.
MDC-103	Students of language and literature will become acquainted with the developmental journey of the student story and the form and elements of storytelling. In the compiled stories of 'Katha-Kusum,' students will become familiar with depicted events, personal joys and sorrows, inherent characteristics of characters - weaknesses, social issues, contemporary environment, language - richness, etc. Students of language and literature will become acquainted with language richness in student storytelling, including word selection, idioms, proverbs, and descriptive, autobiographical, epistolary, dialogic styles.
MAJOR-201	Students will become aware of modern issues through the medium of mythological stories. They will learn the importance of human values in life. They will be able to contribute to the formation of a progressive society beyond social prejudices and understand the importance of actions.

MAJOR-201 A	Students will obtain information about the nature and subject of regional novels. They will become acquainted with the special features of the region and its circumstances in the novel 'Gangamaiya'. In the novel 'Gangamaiya', students will become familiar with the customs, traditions, rituals, various issues, living conditions, festivals, and the characteristics and weaknesses of the characters of the particular society depicted. Language and literature students will become familiar with the language, colloquialisms, proverbs, idioms, folk sayings, folk songs, etc., described in the novel 'Gangamaiya'.
MINOR-202	Students of language and literature will become familiar with the developmental journey of student storytelling and the form and elements of storytelling. In the compiled stories of 'Katha-Kusum,' students will become acquainted with depicted events, personal joys and sorrows, inherent characteristics of characters - weaknesses, social issues, contemporary environment, language - richness, etc. Students of language and literature will become familiar with language richness in student storytelling, including word selection, idioms, proverbs, and descriptive, autobiographical, epistolary, and dialogic styles.
MDC-203	Students will become acquainted with the life and personality of the novelist. They will understand the contributions of the novelist. The establishment of noble characters will occur among the students. The artistic features of the prescribed novel in the curriculum will be clear to the students. Students' family, social, and moral lives will be disciplined. Students will become familiar with the complexities of life. A humanistic perspective will be established among the students.
CC&CE– 303&403	The third paper of syllabus is Middle Age Hindi Poetry. The students know about the Structure of Doha, Pad, Chopai, Savaiya and life of Kabir, Mira, Surdas, Tulsidas And learning with the Policy Transaction And ethical and moral values thought some selected Poetries.
CC&CE– 304&404	The fourth paper of the syllabus is 'Hindi Natya Sahitya' and students know the form of One Act Play and Drama. By Reading and observing Drama's and one act plays they can become goodactors.
CC-305&405	The fifth paper of syllabus is History of Hindi literature. In this paper Students know the glories history of Hindi Liturature like Adikal, Madhyakal, Adhunikkal.
CC-506&606	The sixth Paper of Syllabus is History of Modern Hindi literature. They Are learning History of Poetry and Prose-so they can become creative writers or poets are authors.
CC-507&607	The Seventh paper of Syllabus is Principle of Literature. While Studying this Paper, the Student is familiar with Indian and Western Literature Theories and He gets a sight to understand the Literature.
CC-508&608	The Eighth paper of Syllabus is Hindi Essay and 'Prayog vadi Kavita'. This Paper gives an understanding of essay and satire to the student And introduces the nature of Experimental Hindi Poetry.
CC-509&609	The ninth paper syllabus is Hindi Grammar and Language. The Students Teach Hindi Grammar That, in the Future, can work as a Language Expert and know the basic rules of grammar.
CC-510&610	The tenth paper syllabus is Functional Hindi. This paper has been Filed To give Students the benefit of employment. Studying this paper, the student can become a good Journalist and a good Translator.

M A Course Outcomes

CC101 &201	कथा साहित्य एवं निबन्ध के प्रमुख तत्त्वों का विश्लेषण कर सकेंगे । कथानकों के माध्यम से सामाजिक एवं पारिवारिक समस्याओं का विश्लेषण कर सकेंगे ।
CC102 & 202	भारतीय हिन्दी साहित्य की प्राचीन पम्परा से अवगत करना । इसके माध्यम से तत्कालीन सामाजिक, आर्थिक, राजनीतिक, गतिविधियों को जाना जा सकेगा । मध्यकालीन काव्य भारतीय जन – जागरण के रूप में देखा जाता है ।
CC103 & 203	हिन्दी साहित्य के विकास में भारतीय काव्यशास्त्रीय परम्पराओं से छात्र अवगत हो सकेंगे । रस, अलंकार, रीति, ध्वनि आदि का हिन्दी काव्य परम्परा के साथ सम्बन्ध को रेखांकित किया जा सकेगा । भूमण्डलीकारण के दौर में आज का साहित्य भी अन्य देशों के साहित्य के साथ मिला कर देखने की जरुरत है । यूनानी काव्यशास्त्र में प्लेटो एवं अरस्तु के विचारों से छात्रों को अवगत कराया जा सकेगा । अरस्तु के काव्य सिध्दान्तो में अनुकरण विवेचन एवं त्रासदी के स्वरूप को छात्र जान सकेंगे । इसके अलावा वर्डसवर्थ, कोलरिज, टी एस इलियट, आई ए रिचाड्स आदि के सिध्दांतो को छात्र जान सकेंगे ।
CC 104 & 204	भारतीय साहित्य नाट्य विधा के विकास एवं उसकी विभिन्न शैलीयों से अवगत कराया जाएगा । हिन्दी साहित्य के विकास में आधुनिक कालीन नाटकों की महत्ता को जान सकेंगे । नाटक एवं रंगमंच अन्तर तथा उसके लेखन एवं अभिनय के महत्त्व को समजा सकेंगे । मोहन राकेश के नाटकों में व्यक्त सामाजिक जीवन भारतीय जनमानस को जान सकेंगे । उपन्यास की सैद्धांतिक अवधारणा को समझना । हिन्दी उपन्यास की विकास परंपरा का ज्ञान करना हिन्दी उपन्यास की विविध प्रवृत्तियों के उपन्यास की विकास यात्रा को जानना । उपन्यास के उद्भव को संभव बनाने वाली परिस्थितियों को बताना । उपन्यासकारों की विशिष्टताओं के जरिए उपन्यास और समाज के अंतरसम्बध को समजना ।
ID105C & 205A	प्रेमचन्द की युगीन परिस्थितियों का ज्ञान कराना । प्रेमचन्द की पूर्ववर्ती कथा परम्परा से परिचित कराना । प्रेमचन्द की कृतिओं के जरिए प्रेमचन्द के योगदान को रेखांकित करना । प्रेमचन्द की चुनिन्दा रचनाओं के जरिए प्रेमचन्द को समग्रता में समझ सकना । भारतीय हिन्दी साहित्य की प्राचीन परम्परा से अवगत करना । इसके माध्यम से तत्कालीन सामाजिक, आर्थिक, राजनीतिक, गतिविधियों को जाना जा सकेगा । मध्यकालीन काव्य भारतीय जन – जागरण के रूप में देखा जाता है ।
CC301 & 401	आधुनिक कविता की प्रमुख प्रवृत्तियों और परम्परा का ज्ञान करना । छायावादी कविता का अंतरंग परिचय पाने के लिए प्रसाद और निराला से प्रतिनिधि कवियों PRAVRUTTIONकी कविताओं का परायण करना । प्रगतिवादी और प्रयोगवादी प्रवृत्तियों का परिचय कराना । आधुनिककालीन हिन्दी कविता की वुकास परंपरा की जानाकरी देना ।
CC302 & 402	छात्र भाषा विज्ञान के सैद्धांतिक एवं व्यवहारिक स्वरूप को विस्तार से जानें । भाषा और भाषा विज्ञान के अंत:संबंध को जाने । भाषा विज्ञान के अध्ययन के द्वारा अध्येता के भाषा उच्चारण, प्रयोग एवं उपयोग की शिक्षा देना । भाषा विज्ञान का अध्ययन करके विश्व की विभिन्न भाषाओं की समानता स्थापित करके विश्व एकता और विश्व भंधुत्व का भाव समझें ।
CC304 & 404	छात्र आधुनिककाल की लेखन परंपरा, नामकरण, परिस्थितियां की जानकारी प्राप्त करेगें । स्वातंत्र्योत्तर हिन्दी कविता की प्रवृत्तियों जनाकारी प्राप्त करेगों । स्वातंत्र्योत्तर हिन्दी नाटक, एकांकी, नुक्कड़ नाटक अदि से परिचित होगें । स्वातंत्र्योत्तर हिन्दी उपन्यास, कहानी, निबन्ध और अन्य गध विधाओं की जानकारी प्राप्त करेगें गुजरात का स्वातंत्र्योत्तर हिन्दी साहित्य की जनाकारी प्राप्त करेगें ।
ID 305 A & 405 B	छात्रों में हिन्दी लेखन कौशल विकास होगा । छात्र प्रस्तुत पाठ्यक्रम का अध्ययन करके रोजगार प्राप्त करेंगे । छात्र साक्षात्कार, विज्ञापन लेखन आदि की जनाकारी प्राप्त करेंगे । हिन्दी पत्रकारिता के विविध आयामों से परिचित होंगे । संचार माध्यमों के शिक्षण द्वारा रोजगार प्राप्त करेंगे ।

OUTCOME of PROGRAMME PSYCHOLOGY

B.A. Psychology	
Programme Outcome	Psychology as a scholarly discipline covers a wide scope of study which includes thought, perception, cognition, emotion, knowledge, character, relationships, conduct and surprisingly the inner mind. It is the investigation of the brain and behavior. Psychology looks at both individual conduct and the behavior of gatherings treats mental problems and directs individuals to help them achieve ecstatic power. Psychologists evaluate social and mental ability and well-being and focus on how people identify with each other and with other machines and work toward working on such relationships.
Programme Specific Outcome	Students will be able to demonstrate skills in communication, ethical behavior, complex cognitive processes relevant to the field of psychology. Learners will be identifying the major fields of study and theoretical perspectives within psychology and articulate their similarities and differences. By learning the subject of psychology, students will be able focuses on the positive events and influences in life, (like happiness, joy, inspiration, and love). Psychology is a fascinating area of study. It will help you understand human behavior and mental processes and allow you to better understand how we think act and feel. A psychology degree is one that is increasingly valued by employers who value the analytical and reasoning skills it gives you.
COURSE OUTCOMES	
B.A.SEM-I & II PAPER-MI-102,MDC-103,SEC-106.MI-202,MDC-203,SEC-206	This paper will provide students with an introduction to the key concepts and theories in psychology 1 Describe the evolution of psychology and gain basic knowledge about Psychology 2 Identify the various approaches, fields, and subfields of psychology along with their major concepts and important figures 3 Describe the value of psychology and possible careers paths for those who study psychology 4 Critically evaluate and identify determinants of motivation 5 Evaluate and understand the different human emotions 6 Describe the Attention and determinants of Attention 7 Differentiate between sensation and perception 8 Explain the process of Perception 9 Students will understand the fundamental mental processes which are base for behaviour 1. in first unit of educational psychology student will come to understand basic concept of educational psychology. Student will come to understand educational psychology, what is significance of educational psychology to students and teacher. **2.** Unit-2 will introduce to different study method of educational psychology will be study **3.** Unit 3 what is the function of motivation in the learning process and the importance of intrinsic and extrinsic factors of motivation in the learning process? And the element of motivation will

	help students and teachers. It also show the contribution of educational principles to the learning process. **4.** Unit 4 shoes the importance and causes of memorization and forgetting in the learning process and also the importance of examinational process which will help the students and teachers 1.develops an understanding of basic concepts, processes, and techniques of Counselling. 2 acquaint the learner with the challenges of Counselling This paper will provide students with an introduction to the key concepts and theories in psychology At the end of this paper students will be able to understand further the fundamental processes underlying human behaviour such as Learning, Memory, intelligence, personality and apply the principles of psychology in day-to-day life for a better understanding of themselves and others. 1 Explain learning and the process of classical conditioning. 2 Explain operant conditioning, reinforcement and punishment. 3 Describe the process of memory. 4 Explain and give examples of forgetting and memory failure. 5 Recognize and apply memory-enhancing strategies. 6 Describe personality theories and assessment of personality. 1. Unit-1 has given the concept of achievement motivation and personality measurement tests which will be useful in measuring the academic achievement and personality of the student in shaping the personality. 2. Unit-2 provides an explanation of the concepts of intelligence, aptitude and creativity which will be useful in the academic development of the students. 3. Unit 3 the points covered in this unit will be helpful in how special types of children can receive educational adjustments, guidance and counselling. 4. Unit 4 the issues covered in this unit will help in developing the discipline and socializing of students a nd in creating a constructive classroom environment. **1.** We do not inherit personality in any fixed sense. **2.** Personality is the interaction between heredity and environment. **3.** Personality Development Training programs In India- The yellow Spot.
B.A.SEM-III & IV	1.Helping the students to acquaint with the key concepts. Methods, Subject matter and applications of psychology.

PAPER-303,304	2.To acquaint the students with the concept of adjustment and development. 3.To help students to make more effective choices in coping with problems of everyday life.
403,404	1.Introduction to the concept and model of health in the socio-cultural contexts and the scope of Health Psychology 2.Introduction to the health enhancing and health compromising life styles/behaviors. 3.Helping the students to acquaint with the key concepts. Methods, Subject matter and applications of psychology.
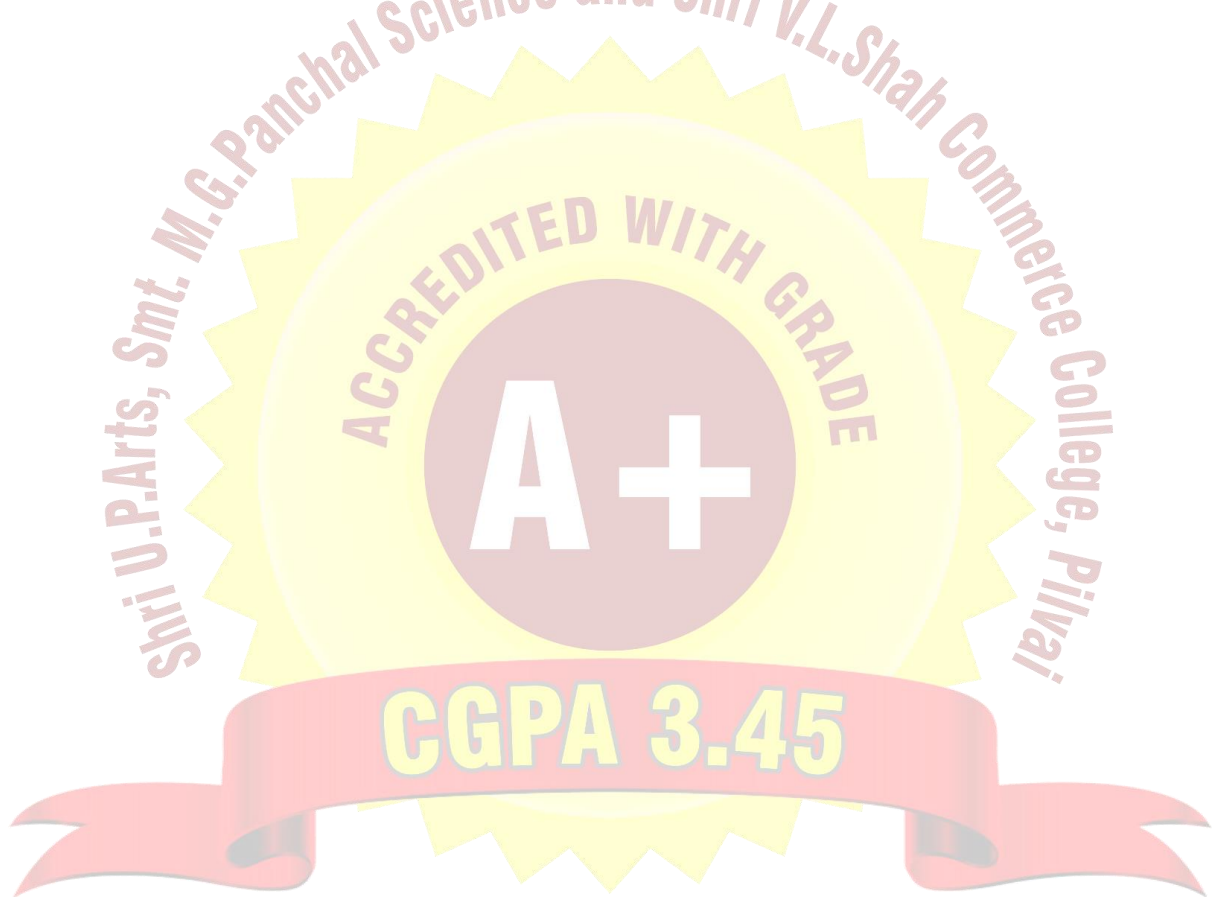
OUTCOME of PROGRAMME
SANSKRIT

Programme Outcome	The Department of Sanskrit intends to preserve further and disseminate the various aspects and forms of ancient Indian knowledge traditions in modern perspectives and aspirations. The program aims at equipping and enabling futureres pective of different knowledge domains ,like Vedas, Grammar, Poetics, Inscriptions etc. To empower the students with modern and scientific tools andInter-disciplina ryapproachand to design suchmodules to help them inbe comin ggoodcitizen, are ot herimp or tantaims of this course.
Programme Specific Outcome	- A Sanskriti stoh ig hlig htthe salient feature of Indian culture heritagepres ervedin Sanskri ttexts. - An increased ability to read and understand Sanskrit texts. - An increased knowledge and understanding of Sanskrit Grammar. - A basic familiarity of the history of Sanskrit literature. - A basic familiarity of Sanskrit culture and religious background. - The passages to be read, translated, interpreted and discusse din class are taken.
MAJOR 101	Ability to embrace moral/ethical values in conducting one's life. Capable of demonstrating the ability to identify ethical issues related to one's work. Avoid unethical behavior.
MAJOR 101A	An increased ability to read and understand Sanskrit text. Students would have basic familiarity with Sanskrit culture and religious background. Identify and describe literary characteristics of poetic forms. This course will enhance competence in chaste classical Sanskrit and give them skills in translation and interpretation of poetic works.
MINOR 102	Ability to embrace moral/ethical values in conducting one's life. Capable of demonstrating the ability to identify ethical issues related to one's work. Avoid unethical behavior.
MDC-103	An increased ability to read and understand Sanskrit text. Students would have basic familiarity with Sanskrit culture and religious background. Identify and describe literary characteristics of poetic forms. This course will enhance competence in chaste classical Sanskrit and give them skills in translation and interpretation of poetic works.
VAC-105	This course is to develop cultural and historical sensibility, particularly in indigenous traditions, socio-cultural context, and diversity. Developing Moral & Ethical Awareness & reasoning. Developing patriotism with a sense of responsibility in students. Application to Psychology related Problems. Self-development & self-regulation skills. Developing memorization skills of students. Students will be able to know about 'Ashtangyoga'. This topic will be very useful in daily life in the present time.

SEC-106	To increase memory of learners. To increase decision-making ability among learners. To inculcate moral values among learners. To develop skills of yoga among learners.
MAJOR-201	An increased ability to read and understand Sanskrit text. Students would know basic familiarity with the Sanskrit culture and religious background. Identify and describe literary characteristics of poetic forms. This course will enhance competence in chaste classical Sanskrit and give them skills in translation and interpretation of poetic works. Students will be able to learn basic concepts of the Sanskrit language.
MAJOR-201A	This course aims to develop cultural and historical sensibility, with a particular focus on indigenous traditions, socio-cultural context, and diversity. Developing moral and ethical awareness and reasoning is a key objective of this course. The course aims to foster patriotism along with a sense of responsibility in students. Application of psychological principles to real-world problems is emphasized in this course. Self-development and self-regulation skills are essential components of the learning objectives. Enhancing students' memorization skills is one of the goals of this course. Students will gain knowledge about 'Ashtangyoga' as part of the curriculum. The topics covered in this course will prove to be very useful in daily life in the present time.
MINOR-202	Enhanced proficiency in reading and understanding Sanskrit texts is a primary aim of this course. Students will acquire a basic familiarity with Sanskrit culture and religious background. They will be able to identify and describe the literary characteristics of various poetic forms. This course will improve competence in classical Sanskrit and equip students with translation and interpretation skills for poetic works. Students will gain a foundational understanding of the basic concepts of the Sanskrit language.
MDC-203	This course aims to acquaint learners with the overview of Sanskrit literature. It intends to provide learners with an understanding of the history of Sanskrit drama in general. The course aims to instill human values through moral stories among the learners.

VAC-205	This course aims to foster cultural and historical sensibility, with a particular emphasis on indigenous traditions, socio-cultural context, and diversity. Developing moral and ethical awareness, along with reasoning skills, is a key objective of this course. The course endeavors to cultivate patriotism along with a sense of responsibility in students. The application of psychological principles to real-world problems is a significant aspect of this course. Self-development and self-regulation skills are integral components of the learning objectives. Enhancing students' memorization skills is a focus area of this course. Students will gain knowledge about 'Ashtangyoga' as part of the curriculum. The topics covered in this course will prove to be very useful in daily life in the present time.
SEC-206	Enhancing the memory of learners is one of the objectives of this course. Improving the decision-making ability among learners is a key goal of this course. Instilling moral values among learners is a central aim of this course. Developing skills in yoga among learners is a primary focus of this course.
CC & CE – 303 & 403	The third paper of syllabus is MahaKavikalidas's Epic like a 'RAGHUVANSHAM'Sarg-14'and'MITRABHEDAM'ofPANCHATANTRA'S. The students know about the Structure of classical Epic and life of Mahakavi kalidas's legends. And learning with the Policy Transaction and ethical and moral values thought some selected stories and fables from PANCHATANTRA.(MITRABHEDAM')
CC & CE – 304 & 404	The fourth paper of the syllabus is 'ALANKAR' SHASTRA'S andstudents know the figure of speech, the definitions of poetry, the Feature of Poetry, the type of poetry, the purpose of poetry etc.
CC -305 & 405	The fifth paper of syllabus is Vedic literature in this paper students know the glories history of ancient culture, chant and Vedic anthem ofGods.
CC -506 & 606	The sixth Paper of Syllabus is Sanskrit Gramma rwith SANGYA ,KARAKPRAKARANAM and science of language. Students know the basic rules of grammar
CC -507 & 607	The Seventh paper of Syllabus is 'VEDANTSAR' and 'SANKHYAKARIKA'. Students would know about basic of Indian philosophy and theory of Origination Nature.
CC -508 & 608	The Seventh paper of Syllabus is 'TARKSHASTRA' and 'YAGYAVALKYASHASMRITI'. Students would know about basic of Indian philosophy and Cultural Value
CC -509 & 609	The ninth paper is syllabus is 'SHRIMADBHAGAVATGEETA' and students will be exposed to SHRIMADBHAGAVATGEETA'S concept of the divine and demoniac nature.
CC -510 & 610	The tenth paper is syllabus Sanskrit Essay and student would know the art of nature thought and Essay writing

OUTCOME of PROGRAMME
BOTANY

Department of Botany	
Programme Outcome	1.To transform curriculum into outcome-oriented scenario. 2. To develop the curriculum for fostering discovery-learning. 3. To equip the students in solving the practical problems pertinent to India. 4. To adopt recent pedagogical trends in education including e-learning, flipped class, hybrid learning and MOOCs 5. To mold responsible citizen for nation-building and transforming the country towards the future. 6. To provide an environment that ensures cognitive development of students in a holistic manner. A dialogue about plants and its significance is fostered in this framework, rather than didactic monologues on mere theoretical aspects 7. To provide the latest subject matter, both theoretical as well as practical, such a way to foster their core competency and discovery learning. A botany graduates as envisioned in this framework would be sufficiently competent in the field to undertake further discipline-specific studies, as well as to begin domain-related employment.
Programme Specific Outcome	➢ To mould a responsible citizen who is aware of most basic domain-independent knowledge, including critical thinking and communication. ➢ To enable the graduate prepare for national as well as international competitive examinations, especially UGC-CSIR NET and UPSC Civil Services Examination.
Course Outcomes	
Semester – I (NEP) Botany (Minor) Paper-SC23MiDSC BOT 102 Microbes and Algae	On completion of the course, the students will be able to: 🔲 Develop understanding on the concept of microbial nutrition. 🔲 Classify viruses based on their characteristics and structures. 🔲Develop critical understanding of plant diseases and their remediation. 🔲 Examine the general characteristics of bacteria and their cell reproduction/ recombination. 🔲 Increase the awareness and appreciation of human friendly viruses, bacteria, algae and their economic importance. 🔲 Conduct experiments using skills appropriate to subdivisions.
Botany Practical (Minor) SC23PMiDSC BOT 102	On completion of the course, the students will be able to: The students to learn about the Virus, Bacteria and Algae 🔲 Understand the instruments, techniques, lab etiquettes and good lab practices for working in a microbiology laboratory. 🔲 Develop skills for identifying microbes and using them for Industrial, Agriculture and Environment purposes. 🔲Practical skills in the field and laboratory experiments in Microbiology &Pathology. 🔲Learn to identify Algae.
Botany (Multi) SC23MDSC BOT 103 Plants in Everyday Life	On completion of the course, the students will be able to: 🔲 Can start own enterprise on herbal products. 🔲 Recall various economically and medicinally important plant species used in day-to-day life 🔲 Explain the use of economically important plants and illustrate the processing of various plant parts. 🔲 Analyze and utilization of various plant resources in day-to-day life.

Botany Practical (Multi) SC23PMDSC BOT 103	On completion of the course, the students will be able to: ▯This course is designed to give an overview of how plants are indispensable to humans. ▯It gives a broad exposure to the various aspects of plant resource and its utilization.
Botany (SEC) SC23SEC BOT 106 Horticulture	On completion of the course, the students will be able to: ▯ To gain knowledge of gardening, cultivation, multiplication, raising of seedlings of garden plants. ▯To get knowledge of new and modern techniques of plant propagation. ▯To develop interest in nature and plant life.
Semester- II Botany (Minor) SC23MidSC BOT 202 Organic Molecules and Cytology	On completion of the course, the students will be able to: ▯To help the students to gain knowledge on the activities in which the giant molecules and miniscule structures that inhabit the cellular world of life are engaged. ▯This will provide inside into the organization of cell, its features and regulation at different levels. ▯Through the study of biomolecules and cell organelles, they will be able to understand the various metabolic processes such as respiration, photosynthesis etc. which are important for life.
Botany (Minor) Practical SC23PMiDSC BOT 202	On completion of the course, the students will be able to: ▯To help the students to gain knowledge on the activities in which the giant molecules and miniscule structures that inhabit the cellular world of life are engaged. ▯This will provide inside into the organization of cell, its features and regulation at different levels. ▯Through the study of biomolecules and cell organelles, they will be able to understand the various metabolic processes such as respiration, photosynthesis etc. which are important for life.
Botany (Multi) SC23MDC BOT 203 Fruits and Vegetable Processing	On completion of the course, the students will be able to: ▯This course is designed to give an overview of different types of fruits and vegetables, their composition and methods used in processing and preservation.
Botany (Multi) Practical SC23PMDC BOT 203 Fruits and Vegetable Processing	On completion of the course, the students will be able to: ▯The practical component of this course deals with imparting skills in preparation of various processed products.
Botany (SEC) SC23SEC BOT 206 Natural Resource Management	On completion of the course, the students will be able to: ▯Understand the importance, benefits and services of biodiversity. ▯To learn the strategies for the conservation of biodiversity. ▯This knowledge is critical in evolving strategies for sustainable naturalresource management and biodiversity conservation.
Semester- III Botany CC BOT 301 *MYCOLOGY AND PHYTOPATHOLOGY*	On completion of this course, the students will be able to: ▯ Identify true fungi and demonstrate the principles and application of plant pathology in the control of plant disease. ▯ Demonstrate skills in laboratory, field and glasshouse work related to mycology and plant pathology. ▯ Develop an understanding of microbes, fungi and lichens and appreciate their adaptive strategies. ▯ Identify the common plant diseases according to geographical locations and device control measures.
Botany CC-BOT-302:	On completion of this course, the students will be able to:

ARCHEGONIATE	⬚ Demonstrate an understanding of archegoniatae, Bryophytes, Pteridophytes and Gymnosperms. ⬚ Develop critical understanding on morphology, anatomy and reproduction of Bryophytes, Pteridophytes and Gymnosperms. ⬚ Understanding of plant evolution and their transition to land habitat. ⬚ Demonstrate proficiency in the experimental techniques and methods of appropriate analysis of Bryophytes, Pteridophytes, Gymnosperms.
Botany Practical PC BOT 301	To enable to the students to learn about the Mycology and phytopathology
Botany Practical PC BOT 302	To enable the students to learn about the archegoniate, Bryophyte, Pteridophytes and Gymnosperms with suitable example.
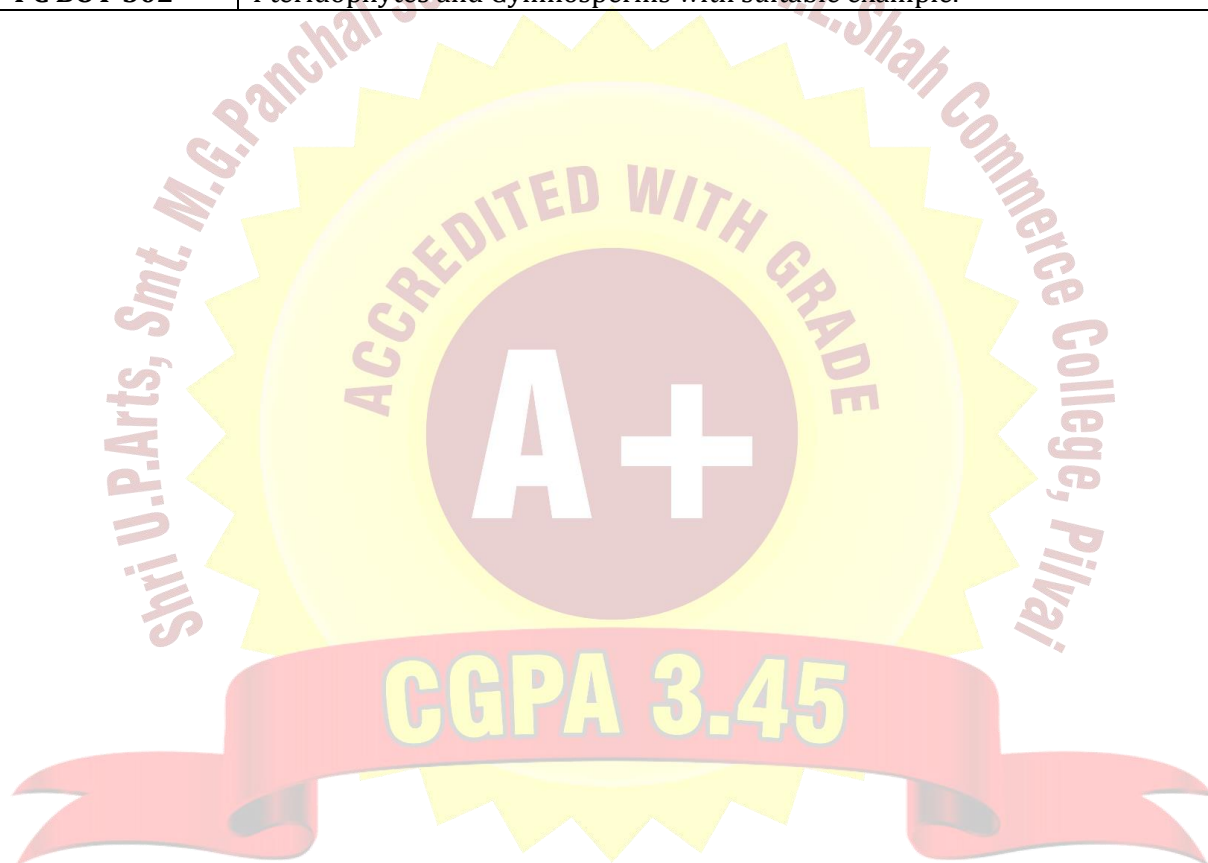
OUTCOME of PROGRAMME CHEMISTRY
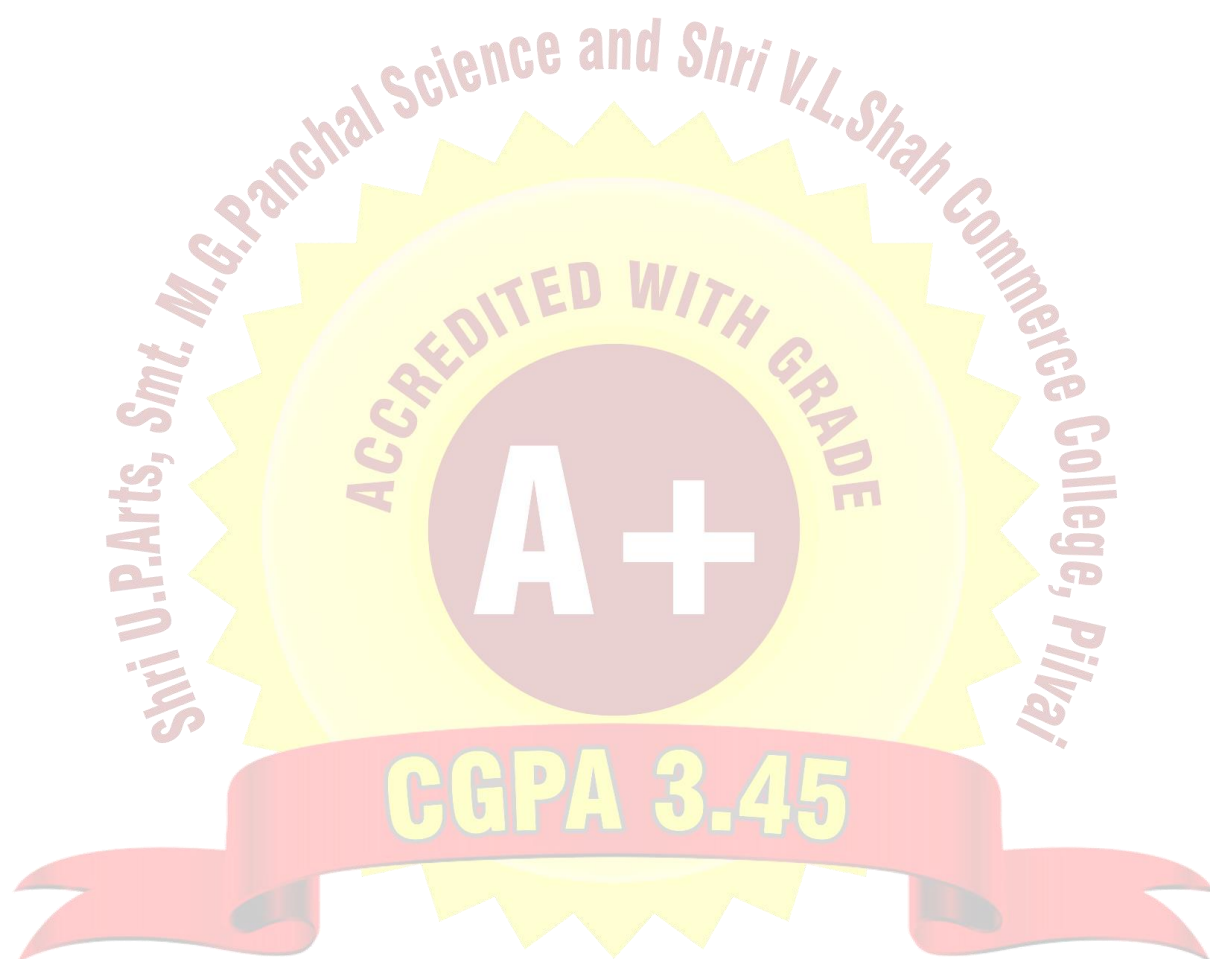
Department of Chemistry	
Programme Outcome	Students will demonstrate an understanding of major concepts in all disciplines of chemistry. Students will employ critical thinking and the scientific method to design, carry out, record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the environment, society, and other cultures outside the scientific community.
Programme Specific Outcome	The ability to explain chemical nomenclature, structure, reactivity, and function in their specific field of chemistry. The design and execution of the experiment should demonstrate an understanding of good laboratory and the proper handling of chemical waste streams and also explain how the applications of Chemistry relates to the real world.
Course Outcomes	
Fundamentals of Chemistry-I SC23MJDSCCHE-101	To enable to the students to learn about the chemical bonding in variety of molecules by using various theories, introduction, structure and properties of organic molecules and reaction mechanism, various law of Chemical Kinetics and Analytical Chemistry.
Practical Major Discipline Specific Course: PMJDSC	To enable to the students to learn about the identification of Organic compounds by semi-micro methods, To enable to the students to learn about the standardization of various mixtures, calibration of burette and pipette.Preparation ofstandard solutions and different volumetric analysis.
General Chemistry-I SC23MDCCHE-103	Introduction of coordination compounds, geometry and their applications in various fields, basic knowledge of stereochemistry of organic compounds, chemical kinetics, nuclear chemistry and principle, mechanism and applications of volumetric analysis.
Practical Multi Disciplinary Course: PMDC	To enable to the students to learn about the identification of Organic compounds by semi-micro methods, Volumetric titrations of various mixtures, calibration of burette and pipette.
Fundamentals of Chemistry-II SC23MJDSCCHE-201	To enable the students to learn about Crystal field theory,VB and MO theory for Coordination Compounds. To enable the students to learn about the fundamental knowledge of stereochemistry, To enable the students to learn about introduction and different laws of Thermodynamics and skill of Volumetric Analysis.
Practical Multi Discipline Course: PMDC	To enable to the students to learn about the Semi micro qualitative analysis of Inorganic powders, Volumetric titrations of various mixtures, calibration of burette and pipette.
General Chemistry-II SC23MDCCHE-203	To enable the students to learn about introduction and different laws of Thermodynamics and skill of Volumetric Analysis. To enable the students to learn about introduction and different skill of Complexometric Titration.
Practical Multi Discipline Course: PMDC	

Chemistry Paper-CC CH 301	The students to learn basic knowledge of wave mechanics, to understand properties of acid and base, organic compounds by various effects, phase equilibrium and their application and partial molar properties.
Chemistry Paper-CC CH 302	To enable to the students to learn about the chemistry of noblegases, bio-chemistry of amino acids and peptides, electrophilic aromatic substitution reactions, physical properties of liquids.
Chemistry Practical Paper-LC CH 301	To enable to the students to learn about the instrumental techniques for quantitative analysis and chemical kinetics, semi- micro analysis of water insoluble binary mixture,
Chemistry Paper-CC CH 401	To enable the students to learn about Crystal field theory, magnetic properties of coordination compounds. Heterocyclic compounds for five and six membered carbohydrates as well as different titrations of acids.
Chemistry Paper-CC CH 402	To enable the students to learn about Boron hydrides, basic spectroscopic techniques and its applications in chemical industries. Knowledge of Electrochemistry and different electrode used in the various instrumentation techniques.
Chemistry Paper-SE CH 401A	To enable the students to learn about the mechanism and synthetic application of name reactions e.g. Arndt-Eistert reaction, Hofmann rearrangement, aldol condensation, Diels- alder reaction, Dieckmann condensation, clemmensen reduction, Dakin reaction
Chemistry Paper-SE CH 401B	To enable the students to learn about the basics of greenchemistry and designing of green synthesis in chemistry.
Chemistry Practical Paper-LC CH 401	To enable all the students for the basic knowledge of chemical analysis of inorganic compounds, volumetric techniques as wellas chromatographic Techniques. chromatography of 1st and 3rd group radicals.
Chemistry Paper-CC CH 501	To enable the students to learn about reaction mechanism ofcoordination compounds and their applications in industry, Organo Metallic Compounds (OMC) and Corrosion with their types and importance.
Chemistry Paper-CC CH 502	To enable the students to learn about the fundamental knowledge of stereochemistry, carbohydrates, isoprenoids and nucleophilic substitution at saturated carbon atom with understand the importance.
Chemistry Paper-CC CH 503	To enable the students to learn about electromotive force, Statistical Thermodynamics and macromolecules withunderstand the importance.
Chemistry Paper-CC CH 504	To enable the students to learn about symmetry of molecules and NMR Spectroscopy and Acid base Titration withunderstand the importance.
Chemistry Paper-SE CH 505 A	To enable the students to learn about the dyes, their classification, Synthesis and uses of Congo Red, Eosin, Alizarin, Crystal violet, Indigo, Sefronine –T, Methylene Blue, Ereochrom Black –T, Rhodamine, Rosanilin
Chemistry Paper-SE CH 505 B	To enable the students to learn about the Oils, Fats and Waxes and their analysis,

Chemistry Paper-SE CH 505 C	To enable the students to learn about the paints, varnishes and their difference.
Chemistry Paper-SE CH 505 D	To enable the students to learn about the cosmetics, theiranalysis, types and their effect on health.
Chemistry Paper-SE CH 505 E	To enable the students to learn about the production and purification of metals, microbial metallurgy, Extraction, Separation and Purification of Al and Ge from its Ore
Chemistry Practical Paper-LC CH 507	To predict the outcome and mechanism of some organic separations, determination, identifications with preparation of derivatives. Various metals analysis by gravimetric and volumetric by conventional method.
Chemistry Paper-CC CH 601	To equip the knowledge of molecular orbital theory, hybridization, physical and chemical properties of metal carbonyl and essential elements as well as the study of invitro and in vivo in bioorganic chemistry.
Chemistry Paper-CC CH 602	To enable the students, the basic knowledge of Markovnicovsand antimarkovnicovs and Ketoenol tautomerism and the mechanism of Bimolecular displacement of SN1and SN reactions.
Chemistry Paper-CC CH 603	To enable the students to learn about the First, Second, ThirdLaw of Thermodynamics, Photochemical Reactions and its theoretical aspects.
Chemistry Paper-CC CH 604	To develop the students based on the term symbols and spectra related to the d1-d9 octahedral complex. And learn about the symmetry andSpectroscopy related to the IR, UV, and NMR Spectra and the TLC, HPLC Chromatography techniques and its applications.
Chemistry Paper-SE CH 605 A	Students will understand the concept of Classification and Nomenclature of polymers, Isomerism of polymers, Chain growth polymerization, Mechanism of free-radical, Cationic and Anionic polymerization, Membrane Osmometry, Viscometry and Light Scattering.
Chemistry Paper-SE CH 605 B	Students will understand the History and Types of PortlandCement, Indian Standard Institute (ISI) Specification of Cement, Manufacturing process of Portland Cement.
Chemistry Paper-SE CH 605 C	To enable the students to learn about the Food Additives, functionalities Assessment, Classification of Food additives, List of Authorized Food Additives, Risk benefit Ratio
Chemistry Paper-SE CH 605 D	To enable the students to learn about the Soap and its manufacture, Recovery of glycerin from spent lye, Principal groups of synthetic detergents, Eco-friendly detergents & Manufacture of shampoos
Chemistry Paper-SE CH 605 E	To enable the students to learn about the Introduction, Definition, and Scope of Forensic Science, Relationship with reference to Crime Investigation, Introduction & Classificationof Toxicology, Extraction & Analysis of Poisons.

Chemistry Practical Paper-LC CH 607	To enable the skill development in students about semi microqualitative analysis, estimations, intermediates, their application and uses in the industries than the students can utilized theirway of knowledge in industries to develop the small scale.

OUTCOME of PROGRAMME MATHEMATICS

Department of Mathematics	
Program Outcome	▪ The B.Sc. program in Mathematics aims to equip students with a strong foundation in mathematical concepts, techniques, and problem-solving skills. ▪ Upon completing the program, students should be able to apply mathematical principles to analyze and solve complex problems in various fields such as engineering, computer science, and physics. ▪ The program also focuses on developing students' critical thinking and logical reasoning abilities, enabling them to effectively communicate mathematical ideas and concepts. ▪ Graduates of the B.Sc. Mathematics program will possess a solid understanding of advanced Mathematical topics, including calculus, and algebra, preparing them for further academic pursuits or careers in research, teaching, data analysis, or other math-intensive professions.
Program Specific Outcome	▪ The program leading to this degree provides the opportunities to develop and demonstrate knowledge and understanding in the following areas. ▪ When one has completed this degree she/he will have knowledge and Understanding of the fundamental concept, principles and techniques from a range of topic areas. ▪ When one has completed this degree she/he will be able to understand how to solve some problems using the methods taught and develop abstract mathematical thinking. ▪ When one completes this degree she/he will be able to clearly demonstrate mathematical knowledge, ideas and conclusions in communication and improve their learning and performance.
Course Outcomes	
Mathematics Paper-SC23MJDSCMAT 101	Students will be able to • Execute successive differentiation • Application of Leibnitz theorem in real life problems • Understand geometrical concept of Cauchy Mean Value Theorem • Use of Taylor's & Maclaurin's theorem • Evaluate limit by L'Hospitals rules • Vector algebra, scalar product, vector multiplication, co-planar vectors, reciprocal vectors set, properties and use of gradient, divergent and curl.
Mathematics Paper-SC23PMJDSCMAT101(A)	Students will understand the practical use of • Successive differentiation • Cauchy Mean Value Theorem, Taylor's & Maclaurin's theorem • Evaluate limit by L'Hospitals rules.
Mathematics Paper-SC23PMJDSCMAT101(B)	Students will be able to • Create and format Mathematical documents using Microsoft Word, including equations, symbols and Mathematical notation • Use Excel functions and tools relevant to mathematical data analysis • Create effective PowerPoint presentation using visual aids and graphs to communicate mathematical concepts.
Mathematics Paper-SC23MIDSCMAT 102	Students will be able to • Execute successive differentiation • Application of Leibnitz theorem in real life problems • Understand geometrical concept of Cauchy Mean Value Theorem • Use of Taylor's & Maclaurin's theorem • Evaluate limit by L'Hospitals rules.
Mathematics Paper-SC23PMIDSCMAT102	Students will understand the practical use of • Successive differentiation • Cauchy Mean Value Theorem, Taylor's & Maclaurin's theorem • Evaluate limit by L'Hospitals rules.
Mathematics Paper-SC23MDCMAT1	Students will be able to • Execute successive differentiation • Application of Leibnitz theorem in real life problems • Understand geometrical concept of Cauchy Mean Value Theorem • Use of Taylor's & Maclaurin's theorem • Evaluate limit by L'Hospitals rules.

03	
Mathematics Paper-SC23PMDCMAT 103	Students will understand the practical use of • Successive differentiation • Cauchy Mean Value Theorem, Taylor's & Maclaurin's theorem • Evaluate limit by L'Hospitals rules.
Mathematics Paper-SC23SECMAT10 6	Students will get knowledge mathematical formulas and concept of competitive examination • Aware with the short tricks to solve the problems asked in competitive examination, which are time consuming by its usual methods of solving them.
Mathematics Paper-SC23MJDSCMAT 201	Students will learn • Properties of matrices, row and column dependence, rank and inverse of a matrix • By applying matrix operations solving the systems of linear equations • Analyzing the concepts of integral calculus and its applications in various fields • Skill of solving linear and homogeneous differential equations by using various methods.
Mathematics Paper-SC23PMJDSCMA T201(A)	Students will be able to • Solve problems using properties of matrices, row and column dependence, rank and inverse of a matrix • By applying matrix operations solving the systems of linear equations • Analyzing the concepts of integral calculus and its applications in various fields.
Mathematics Paper-SC23PMJDSCMA T201(B)	Students will understand • Use of Excel functions, formulas, charts and other tools relevant to mathematical data analysis • Create effective PowerPoint presentation using visual aids, diagrams and graphs to communicate mathematical concepts.
Mathematics Paper-SC23MIDSCMAT 202	Students will learn • Properties of matrices, row and column dependence, rank and inverse of a matrix • By applying matrix operations solving the systems of linear equations • Analyzing the concepts of integral calculus and its applications in various fields.
Mathematics Paper-SC23PMIDSCMA T202	Students will be able to • Solve problems using properties of matrices, row and column dependence, rank and inverse of a matrix • By applying matrix operations solving the systems of linear equations • Analyzing the concepts of integral calculus and its applications in various fields.
Mathematics Paper-SC23MDCMAT2 03	Students will learn • Properties of matrices, row and column dependence, rank and inverse of a matrix • By applying matrix operations solving the systems of linear equations • Analyzing the concepts of integral calculus and its applications in various fields.
Mathematics Paper-SC23PMDCMAT 203	Students will able to • Solve problems using properties of matrices, row and column dependence, rank and inverse of a matrix • By applying matrix operations solving the systems of linear equations • Analyzing the concepts of integral calculus and its applications in various fields.
Mathematics Paper-SC23SECMAT20 6	Students will aware with the short tricks to solve the problems asked in competitive examination which are time consuming by its usual methods of solving them.
Mathematics Paper-CCMAT-301	Enable the students to get understand the limit and continuity of functions of several variables and partial derivatives • Application of partial derivatives in finding extrema of functions of several variables • Curvature, radius of curvature for cartesian, polar and parametric curves, centre and circle of curvature and double point.

Mathematics Paper-PC MAT-301	Students will understand the practical use of limit, continuity and partial derivatives, application of partial derivatives and radius of curvature; determine the centre and circle of curvature and double point.
Mathematics Paper-ESMAT-31	Students will learn the applications of graphical method, Bisection method, Method of False position, Newton Raphson's method, Method of iteration and Horner's method.
Mathematics Paper-CC MAT-302	Students will able to define Basic concepts of operators Δ, E, ∇ • Find the difference of polynomial • Solve problems using Newton forward formula and Newton backward formula. • Derive Gauss's formula and Sterling formula using Newton forward formula and Newton backward formula. • Find maxima and minima for differential difference equation• Derive Simpson's 1/3, 3/8 rules using trapezoidal rule • Find the solution of the first order and second order equations with constant coefficient • Find the summation of series finite difference techniques • Find the solution of ordinary differential equation of first order by Euler, Taylor methods.
Mathematics Paper-PC MAT-302	To enable the students how to practically use Newton forward formula and Newton backward formula • Gauss's formula and Sterling formula using Newton forward formula and Newton backward formula • Simpson's 1/3, 3/8 rules using trapezoidalrule Euler, Taylor and Runge-Kutta methods.
Mathematics Paper-CC MAT-401	To enable the students to learn about Riemann integral and its properties • Multiple integration • Vector analysis, line and surface integrals • Green's Theorem, Stoke's Theorem and its application.
Mathematics Paper-PC MAT-401	To enable the students to learn about the practical use of Riemann integral, double/triple integral, Green's Theorem, Stoke's Theorem, Divergence theorem.
Mathematics Paper-CC MAT-402	To enable the students to learn about Vector Space, Quotient space Direct sum • Linear span and linear independence, basis and inner product • Linear transformations, rank, nullity • Find the characteristic equation, Eigen values and Eigen vectors of a matrix. • Prove Cayley-Hamilton theorem, Schwarz's inequality, Gram Schmidt orthogonalization process • Solve the system of simultaneous linear equations.
Mathematics Paper-PC MAT-402	Students will learn the applications of vector spaces, subspaces, basis and dimensions of vector spaces • Verification of dimension theorem, applications of linear transformations • Range and kernel of a linear map, application and verification of Rank Nullity theorem • Gram Schmidt orthogonalization process and Cayley-Hamilton theorem.
Mathematics Paper-ES MAT-41	Students will learn Beta and Gamma functions • Applications, properties and several forms of Beta and Gamma functions.
Mathematics Paper-CC MAT-501	Students will able to know about group, subgroup, normal, center, normalizer of a subgroup, • Cyclic group, quotient group, permutations, homomorphism, isomorphism and its applications.
Mathematics Paper-CC MAT-502	The students will learn about number system, countable and uncountable sets, • Metric space, limit point of a set, open, closed, bounded, compact and connected sets of metric spaces • Sequence and series convergence.
Mathematics Paper-CC MAT-503-A	The students will learn to find the solution of the homogeneous linear differential equations with variable coefficients • Linear and non-linear exact differential equations • Different forms of linear differential equations of second order with variable coefficients by methods changing dependent variable, changing independent variable, factorization of the operator, method of variation of parameters and undetermined co-efficient.
Mathematics Paper-CC MAT-504-C	The students will learn about simplex method, Two Phase Method, Big-M Method and Graphical method to solve LPP.

Mathematics Paper-PC MAT-501TO 504	Students will understand the use of MATLAB. Using MATLAB students can calculate examples of vectors and matrices, polynomials, graphics, ordinary linear differential equation • The students can find the value of definite integral.
Mathematics Paper-ES MAT-51	Students will learn the relationship between roots and coefficients • To find the roots of equations with real/ rational coefficients • Formation of equations whose roots are given • Method of least square approximation.
Mathematics Paper-CC MAT-601	Students will able to know about ring, zero divisors, division ring, field, integral domain • Quotient ring, maximal ideals and prime ideals of polynomial and its applications.
Mathematics Paper-CC MAT-602	The students will learn about limit and continuity of a function from a metric space to another metric space • Differentiability of a real function, Mean value theorems, L'Hospital rule • Riemann integral and its properties, Riemann stieltje's integral and its properties • Sequence of functions, limit and uniform convergence of sequence of functions.
Mathematics Paper-CC MAT-603-B	Students will able to know about well ordering principle, Mathematical Induction, Binomial theorem • Division algorithm, Euclidean algorithm, linear Diophantine equation • Prime and Composite Numbers, Definition and basic properties of congruence, application of Chinese Remainder theorem, Residue Classes • Fermat's little theorem, Euler's theorem, Phi function and Wilson Theorem and its Applications.
Mathematics Paper-CC MAT-604	Students will learn different methods such as North West Corner method, Least cost entry method, Vogel Approximation method of finding initial solution of Transportation Problems • MODI method for finding optimal solution of Transportation Problems • Hungarian method of solving assignment problems, • Johnson's algorithm of solving sequencing Problems • Introduction of Two-person zero sum games, Minimax and Maximin principles, saddle point, dominance principles, graphical method of solving $2 \times m$ and $m \times 2$ games.
Mathematics Paper-ES-MAT-61	Students will know about Mean, Median, Mode, Harmonic mean, Geometric mean, Arithmetic mean • Measure of dispersion such as standard deviation, variance etc., • Correlation, types of correlation, correlation and regression coefficients and its properties and examples.
Mathematics Paper-PC MAT-601TO 604	Students will understand • Data input, interactive inputs, output commands, formatted input-output functions • MATLAB programming techniques • Discrete Math/Number theoretic functions • Coordinate System Conversion • Interpolation Functions • Numerical Integration and Differentiation Functions • ODE Solvers • Optimization • Statistical Functions • Numerical Methods practicals using MATLAB programming • Linear Algebra • Graph theory • Calculus • Optimization.

Department of Mathematics(M.SC.)	
Programme Outcome	Students will learn an understanding of major concepts, principal in all disciplines of Mathematics.
	Students know about four major focusing areas . Logical reasoning and motivation ,analysis and problem solving ,information and technology proficiency.
Programme Specific Outcome	The programme leading to this degree provides the opportunities to develop and demonstrate knowledge and understanding in the following areas. When one has completed this degree she/he will have knowledge and understanding of the fundamental concept ,principles and techniques from a range of topic areas. When one has completed this degree she/he will be able to

understand how to solve some problems using the methods taught and develop abstract mathematical thinking.

When one has completed this degree she/he will be able to demonstrate the communication clearly knowledge , ideas and conclusions about mathematical and improve his/her own learning and performance.

Course Outcomes	
Mathematics MSM1101 Measure Theory	To enable the students to learn about *Algebra and algebra of sets, algebra of Borel sets, Lebesgue outer measure on **R**, measurable sets, Lebesgue measure. *Measurable function, Littelwood's three principles, Egoroff's theorem, Integral of a simple function, Lebesgue integral of bounded functions, bounded convergence theorem. *Integral of nonnegative functions, general Lebesgue (integral), Fatou's lemma, monoton convergence theorem, Lebesgue's convergence theorem, convergence in measure. *Differentiation of monotone functions, functions of bounded variation, differentiation of an integral, absolutely continuous functions and indefinite integrals.
Mathematics MSM1102 General Topology	Students will able to know about * Topological spaces, basis and sub-basis for a topology (definitions and examples only), The order topology, the product space _ Xi (for finitely many topological spaces ni), subspace topology , closed sets, limit points. * Continuous functions, Homeomorphisms, the pasting lemma, Map into products, the metric topology, the sequence lemma , Uniform limit theorem, The quotient topology. * Connected spaces, path connected spaces, connected sets in the real line, components and path–components, locally connected spaces and path connected spaces. * Compact spaces, compact sets in the real line, limit–point compactness, locally compact spaces, one–point compactificaton.
Mathematics MSM1103Theory of Ordinary Differential Equation	*Simultaneous ordinary differential equations of first order and first degree,Cauchy,s Problem,Linear equations ,Non linear equations *Power series solution of linear differential equations ,Ordinary and singular points , Classification into regular and irregular singular singular points, Series Solution, Frobenius Method, Chebyshev and Gauss Hypergeometric equations and their general solutions * Generating function, Reccurence Relations,, Rodrigue's Formula, Orthogonality properties.
Mathematics MSM1104 Mathematical Modelling	To enable the students to learn about *Introduction to the subject, its scope and limitation, classification of models. Dimensional Homogeneity, Technique of dimensional analysis, an arithmetic model of Gravity, Simple population growth model, Logistic population

	growth model, Geometric interpretation of logistic growth function. *Two Species Population Models: Prey–Predator models for population dynamics, Geometric interpretation and stability of Prey-Predator model, competition model, Epidemic Models, Simple deterministic model, SIS Model, Epidemic Models with constant number of carriers, Epidemic model with removal. *Diffusion and Glucose in the Blood stream, Model for diabetes Mellitus, Genetics Models: Hardy-Weinberg law model for genetics, Genetics model for Blood groups. *Traffic Models: Macroscopic Highway traffic model, continuum hypotheses and the fundamental diagram, linear-car-following models.	
Mathematics Msm3101 Elementry MATLAB Programming	Introduce to MATLAB, Arrays and Matrices, Functions and File,Practicals related to theory part,	
Mathematics Msm3102 Advanced MATLAB Programming	Matlab Programming Techniques, Plotting :XY-Plotting Functions, Subplots and overlay plots, Special plot types, Interactive plotting, Function discovery, 3-D Plots, Polynomials, Integration and Differentiation. *Practicals related to User Defined functions, Mathematical / Engineering case studies.	
Mathematics MSM4101 Integral Transform	Students can understand the * Laplace transform- Definition and its properties. Rules of manipulation. Laplace transform of derivatives and integrals. * Properties of inverse Laplace transform. Convolution theorem. Complex inversion formula. *Fourier transform - Definition and properties of Fourier sine, cosine and complex transforms. *Convolution theorem. Inversion theorems. Fourier transform of derivatives. Mellin transform-Definition and elementary properties. Mellin transforms of derivatives and integrals.Inversion theorem. Convolution theorem.	
Mathematics MSM1201 Advanced Topology	Students will understand the practical use of complex number and differential equation and its application. **Unit 1** Countability Axioms: First countable space, second countable space, separable space, Lindeloff space **Unit 2** Separation axioms- Hausdorff space, regular space, normal space, Urysohn's lemma, Completely regular space, Tietze extension theorem. **Unit 3** Imbedding of Manifolds, Partition of unity, Tychonoff theorem (statement only), The Stone-cech Compactifications and uniqueness. **Unit 4** Complete metric space, Compactness in metric spaces, Ascoli's theorem, Bair spaces, Baire category theorem.	

Mathematics MSM1202 Algebra - I	Students will understand the practical use of successive differentiation , integration, Describe the various forms of equation of a plane, straight line, Sphere, Cone and Cylinder. **Unit 1** [**Revision:** Group, Subgroup, Normal Subgroups, Quotient groups, Homomorphism of groups, Isomorphic groups, Permutation groups, Direct product of groups] Cayley's theorem, Conjugacy relation on a group and its applications, Solvable groups. Page **12** of **35** **Unit 2** Group actions, Sylow's theorem, , Finite abelian groups, Simple groups. **Unit 3** [**Revision:** Ring, subrings, ring homomorphisms, ideals and quotient rings, prime and maximal ideals, Polynomial rings] Field of fractions of an integral domain, Divisibility in rings, Euclidean ring, Principal Ideal rings. **Unit 4** Polynomial ring over a rational field, irreducibility criteria, polynomial ring over a commutative ring, Unique factorization domain.
Mathematics MSM1204 Statistical Methods	The students will understand the use of *Descriptive Statistics and Correlation Exploratory Data Analysis: The Stem-and-leaf Display; Cross Tabulation & Scatter Diagrams Measures of location: Mean, Median, Mode, Percentiles, Quartiles; Measures of Variability: Range,Inter-quartile Range, Variance, Standard Deviation, Coefficient of Variation Measures of Distribution Shape, Relative Location and Detecting Outliers,Measures of AssociationBetweenTwoVariables;Covariance,Correlation * Probability & Probability Distribution Probability: Basic probability concepts (Experiment, sample space, events, exclusive events,exhaustive events, independent events, dependent events), methods for assigning probability (Classical method, relative frequency method, subjective method), events and their probability, addition rule , conditional probability, multiplication rule ,Bayes' theorem. *Probability distribution: Random variable, Discrete and continuous random variable, expected value and variance of random variable, Probability distribution, Binomial distribution, Poisson distribution, Hypergeometric distribution, Uniform distribution, Normal distribution, Normal approximation ofBinomial, exponential distribution, relationship between Poisson and Exponential distribution * Statistical Inference, Sampling methods, sampling distribution, central limit theorem , point and interval estimation, sampling distribution of sample mean, sampling distribution of sample proportion, *Hypothesis tests: Null &

	alternative hypothesis, Type I & II errors, one and two tailed test, rejection rule using p-value and critical value approach, test of hypothesis about population mean (known, unknown and small sample), test of hypothesis about population proportion, Sampling distribution and test of hypothesis about difference between two population means . *Regression:Introduction to Regression; Simple linear Regression Model; least Square Method; Coefficient of Determination; Correlation Coefficient; Model Assumptions; Residual Analysis: Validating Model Assumptions; Outliers and Influential Observations Using the Estimated Regression Equation for Estimation & Prediction.
Mathematics MSM3201 ODE MATLAB PROGRAMMING	The students will understand the use of different methods like First/Second/ higher order Ordinary differential Equations such as differential equations using: Picard's method, Taylor's Method, Euler's Method, Modified Euler's Method, Improved Euler's Method Runge Kutta 2nd Method, Predictor and Corrector Method.
Mathematics MSM3202 Numerical Methods with MMATLAB	Related to Numerical Solutions of equations such a finding roots of a polynomial using: Bisection Method, Newton- , Regula falsi method, Inverse Matrix, Gauss Elimination Method, Gauss-Seidal method, Simpson's 1/3 and 3/8 method, Trapezoidal Method, Langrage's interpolation etc...
Mathematics MSM 4201 Research Methodology	* Introduction meaning of research, Objectives of research, Motivation in Research, of research .Significance of research, research and scientific Methods, Importance of knowing how research is done, Selecting the problem, necessity of defining the problem, Technique involved in defining the problem. *Meaning of Research Design, Features of good design, Different research design, Basic principles of experimental designs, Scientific writing, Research proposal, Research paper, review paper,Thesis,Conference report, Book review and project report.
Mathematics MSM1301 Functional Analysis-I	To enable the students to learn about *Normed linear space: definition and examples, continuous linear transformations, spaces BL(X,Y), BL(X) and BL(X,X), l^p & L^p $(0 \leq p \leq \kappa)$ Banach spaces. * Hahn-Banach theorem and its applications, open mapping theorem, Dual normed spaces, natural imbedding of normed space into double dual space of normed spaces. * Closed graph theorem, uniform boundedness principle, conjugate of an operator, bounded inverse mapping theorem. *Hilbert space: definition and examples, orthogonal complement, orthonormal set,Bessel's inequality, Projection theorem, Riesz Representation theorem.
Mathematics MSM1302 Complex Analysis	To enable the students to learn about *Regions in the complex plane, continuity and differentiability of complex functions, analytic functions, Cauchy-Riemann

	equations, harmonic Functions of two variables, Infinite series of complex numbers,power series functions. ***The elementary Functions: exponential, trigonometric, hyperbolic functions, logarithmic functions and its branches,rectifiable arcs. Complex line integral, complex contour integral, Cauchy's theoremfor triangular contours, anti-derivatives. *Cauchy's integral formula, derivative of analytic functions, Morera's theorem, Liouville's theorem, Fundamental theorem of algebra, Taylor expansions, Laurent expansions. *Singularities, zeros of analytic functions, poles, residues, Residue Theorem, residue at poles, evaluations of improper integrals.**
Mathematics MSM1303 Number Theory	* Divisibility, G.C.D., Primes, the fundamental theorem of arithmetic, the Euclidean algorithm, The greatest integer function, the Mobius function μ, the Euler function the divisor functions σ_k for $k \geq 0$ integer, properties of these functions,multiplicative functions, Mobius inversion formula. * Congruence, complete residue systems, LinearCongruence, reduced residue systems, Euler–Fermat theorem, the Chinese remainder theorem, The exponents of a number mod$m$, primitive roots. *Quadratic residues, Legendre Symbol and its properties, Gauss' Lemma, the quadratic reciprocity law, the Jacobi Symbol. *Diophantine Equations $ax + by = c$ and its positive solutions, the equation $X^2 + Y^2 = Z^2$, the equation$X^4 + Y^4 = Z^2$ and the equation $X^4 + Y^4 = Z^4$, sum of squares, the Fermat's Last theorem.
Mathematics MSM2303 Mathematics Of Money	*The Simple Interest Theorem, Consequences of the theorem, Financial Digression, Ambiguities when interest period is measured in days, Number of days calculations, The Compound Interest Theorem, Consequences of the theorem, The annual effective rate, time diagram and cash flows, interest rate of return (IRR), Financial Digression, The IRR uniqueness theorem and its consequences, the rule of 72,Inflation,The purchasing power theorem, consumer price index(CPI), personal taxes, the tax theorem. *An ordinary annuity, the future value of an ordinary annuity theorem(OAT), consequences of OAT, the interest value of an OAT and its applications, An annuity due, the future value of an annuity due theorem(ADT), the present value of an ADT, perpetuities, loans and risks, examples of loans(bond, zero coupon bond, creditcard load) * Amortization tables, the amortization theorem, periodic payments, the periodic payment theorem(PPT), consequences of PPT, linear interpolations, credit cards payments, the credit card theorem and its applications, credit card numbers. * Bonds, noncallable bonds, the bond theorem, the price-yield theorem, accrued Interest, duration, modified duration,

	convexity, portfolio, buying and selling stocks, the dollar cost averaging theorem, the long sale maintence level theorem, the short sale maintencence level theorem and its examples.
Mathematics MSM3301 PDE MATLAB PROGRAMMING	MATLAB Programs for solution of partial differential equations using: Laplace equation, Poission equation, Schmidt Method, Crank Nicolson Method, ADI Method, Explicit Method for wave equation, Lees ADI method for wave equation…..
Mathematics MSM3302 LATEX PROGRA.MMING	Basic introduction to Latex, Structure of Latex, First document produced using Latex, Use of different fonts, size apply page break and line break, use command for making text bold, italic, emphasis, underline , Document structure ,equation environment, single equation, multi line single equation, multi equations, mathematical symbols. How to write array and matrix in LATEX, Writing theorem and lemma using LATEX. Preparing Tables using LATEX, Use of Graphics package in LATEX. How to write bibliography using LATEX.
Mathematics MSM4301 Advanced Linear Algebra.	*The algebra of linear transformation, characteristic roots, matrices. *Triangular canonical forms, nilpoint linear transformations. *Trace and transpose, a decomposition theorem , Jordan canonical forms. *Rational canonical forms, Determinants.
Mathematics MSM1401 Functional Analysis-II	*Dual and transpose of a Hilbert spaces, adjoint of an operator, self-adjoint, normal,unitary operators, projections. * Finite dimensional spectral theorem, Weak and weak* convergence.. *Banach algebra: definition and examples, regular and singular elements , topological divisiors of zero, spectral of an element and spectral radius, radical and simplicity.. *Gelfand mapping, applications of the formula of the spectral radius, involutions in Banach algebra, Ideals in C(X), Banach-Stone theorem, Commutative C*-algebras, Stone-Weierstras theorem, Gelfand-Naimark theorem for commutative C*-algebras.
Mathematics MSM1402 Field Theory	* Extensions of field, Finite, algebraic and simple field extensions, algebraic and transcendental numbers. *Roots of polynomials, the splitting field of a polynomial over a field, construction with straightedge and compass. *The fixed field of a group of automophisms, the theorem on symmetric polynomials, normal field extension, the Galois group of a polynomial. *The fundamental theorem of Galois theory, solvability by radicals, Galois group over the rationals, finite fields.
Mathematics MSM1403 Graph Theory	Definition, Degree of vertex, path, circuit, connectedand disconnected graphs, components. *Euler trail, Euler trail, Euler Graph Characterization of Eulerian graph, Hemiltonian Paths and Cycles. *Trees and their Properties, Bridges, Spanning Trees, Kruskai's algoritham, Prims algoritham. *Planar Graphs, Kuratowski's two graphs, Different representation of planarity,Detection of Planarity.

Mathematics MSM2402 Operation Research	*Sequeuing and Networks *Project Network *Inventory Models *Queuing Models. *Simulation Models *Decision Models, *Replacements Models
Mathematics MSM3401 ComputerGraphicsProgramming	The students are expected to write and run the computer programs on the following topics. *Implication of line and circlr algorithm. *Modification in line algorithm to generate dashech line. *Character display *Plygon filling. *Transformation of objects. *Use of segments in forming pictures from given objects. *Zooming the portion of windows and display in view ports. *Line clipping and polygon clipping. *Displaying 3-D objects on 2-D surfaces.
Mathematics MSM3402 C-Language Programming	*Statistical data processing programs. *Functions Programs. *Operations on Matrices, Gauss elimination method and its applications. *Sequences sortings, searching and merging, program related to function. *Function to read a line and store in buffer, find length and so on *Program related to structures, Pointers and functions. *Newton's form on polynomial, interpolation polynomial, divided difference table. *Numerical integration, numerical solutions of differential equations.
Mathematics MSM4405 Applications of Mathematics in Environmental Studies	*Linear equations, Matrix form, row reduction, row reduction, row rank, column rank, row equivalence, ,row reduced echelon matrices, various methods to find solutions of a system of linear equations. *Introduction to ecology,and environment, linear programming, problem related to ecology and environment.

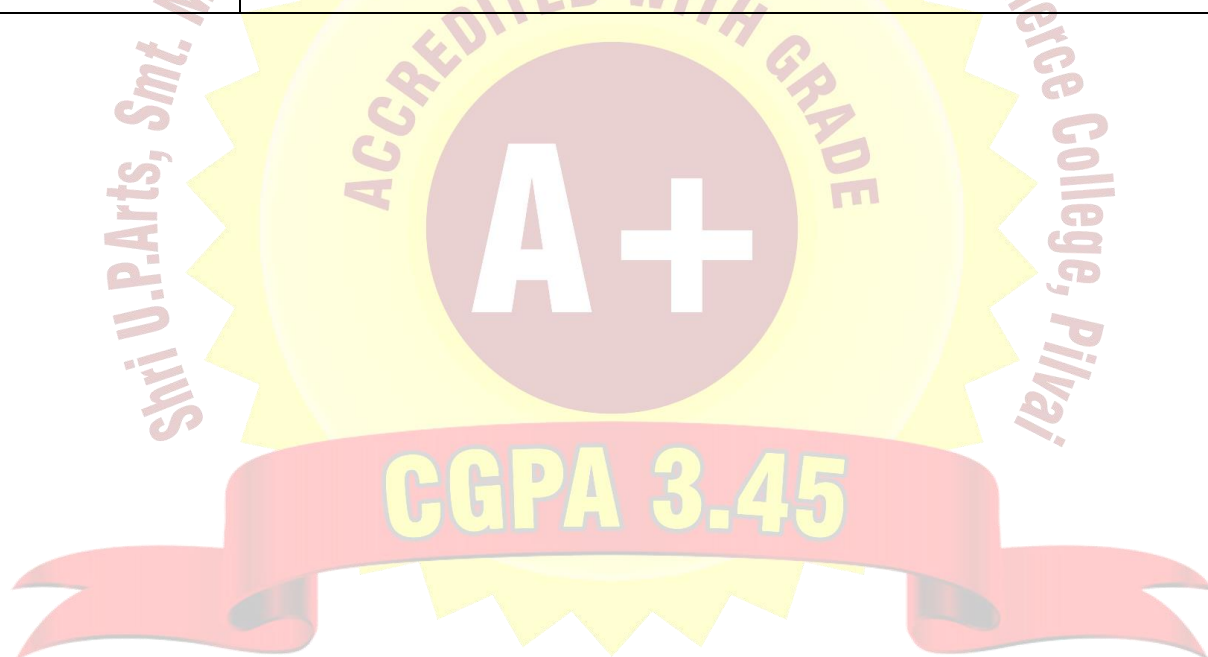# OUTCOME of PROGRAMME
PHYSICS

PHYSICS DEPARTMENT

Programme Outcome	Student learns concepts of physics theoretically some of the concepts aretested through experiments some pure theoretical fundamentals are purely understood through the mathematical framework.
Programme Specific Outcome	Some pure theoretical concepts are studied by the students are indirectlyapplicable to the recent technology so, indirectly students can keep thepace with current trends in science and technology.

Courses Outcomes

SC23 MIDSC PHY 102 (Minor)	After successul complition of the course students will be able to.. • Understands the concepts and significance of scalar and vector fields as well as operations of operator∇, Gauss theorem and Stoke's theorem. • Understandsthe Thermodynamics, Carnot's theorem and concept's of entropy. • Calculate change in various thermodynamic processes.
SC23 MDSC PHY 103 (Multi)	After successul complition of the course students will be able to… • Learn about Ultrasonics, Production and it's application. • Will get sufficient knowledge of sond and theory of resonator. • Learns sufficient knowledge of various rectifier,Filter circuits and applications of them.
SC23 MIDSC P PHY 102 (Minor Practical)	By end of the course,the students will be able to understand.. • The basic principles of physics related to their courses in the practically way. • The operational details of spectrometer, electronics circuits etc. • The experimental design aspects to determine various properties of like gravity,quality factor,refrective index,determination of Cauchy's constants,analysis of spectra,analysis of error, determine value of unknown frequency etc. • The process to analysize the observations and infer the outcome of the experiments. • How to analyse the experimental data and graphical analysis.
SC23 MDSC P PHY 103 (Multi Practical)	By end of the course, the students will be able to understand.. • The basic principles of physics related to their courses in the practically way. • The operational details of electronics circuits and take care aboute safety with current,etc. • The experimental design aspects to determine various properties of P-N junction diode, different type of gate, Power transfer theorem, construction of capacitor, and zener diode etc. • The process to analyzle the observations and infer the outcome of the experiments. • How to analyse the experimental data and graphical analysis.
SC23 SEC PHY 106 (Skill Enhancement Course)	At the end of the course students will able to . • Understand the basic knowledge of working of various instruments and its application. • Learn's the construction, working process and use of various measuring instruments. • Will get sufficient knowledge of Galvanometer and determine various scientific parameters.

SC23 MIDSC PHY 202 (Minor)	After successul complition of the course students will be able to • Understands the concepts of electrostatics, learns how to determine the charge of an electron. • Learns the concepts of Simple Harmonic Oscillation and combination of SHM. • Understands the concepecys of Damped and Forced Oscillations and its applications.
SC23 MDSC PHY 203 (Multi)	After successul complition of the course students will be able to… • Learn basic concepts of DC Circuits, its functioning and principles of Network analysis.Also apply theorems to construct and solve electricals circuits. • Learns the knowledge of various types of Aberration and Interference. • Get Sufficien knowledge of Newton's ring experiments and determine wavelength.
SC23 P MIDSC PHY 202 (Minor Practical)	By end of the course,the students will be able to understand.. • The basic principles of physics related to their courses in the practically way. • The operational details of spectrometer, electronics circuits etc. • The experimental design aspects to determine various properties of like gravity, qualitiy factor, refrective index, determination of Cauchy's constants, analysis of spectra, analysis of error, determine value of unknown frequency etc. • The process to analysize the observations and infer the outcome of the experiments. • How to analyse the experimental data and graphical analysis.
SC23 P MDSC PHY 203 (Multi Practical)	By end of the course,the students will be able to understand.. • The basic principles of physics related to their courses in the practically way. • The operational details of electronics circuits and take care aboute safety with current,etc. • The experimental design aspects to determine various properties of PN junction I-V charecteristics and load line analysis.Numerical analysis like Gauss Backward interpolation formula,The process to analysize the observations and infer the outcome of the experiments. • How to analyse the experimental data and graphical analysis.
SC23 SEC PHY 206 (Skill Enhancement Course)	At the end of the course students will able to . • Understand the basic knowledge of working of various basic passive componant of electrical circuit like Resistor, capacitor nad inductor.It's construction, different types of resistor, Measurement of resistor and trouble foundsin it. • Learn's the construction, working process and use of various measuring instruments. • Will get sufficient knowledge of Cells and battery, Transformer and its construcion,types and functionin different electrical circuits.
CC-PHY-301	Obtaining knowledge of thermodynamics,Sond , **Atomic spectra,, Solid state physics (Crystal structure,Atomic cohesion and Crystal binding)**
PC-PHY-301	Experimental knowledge of relevant concepts to the theory.
CC-PHY-302	Obtaining knowledge of electrostatic in dielectrics, Magnetostatic, **Practical application of electromagnetic induction, Optics (diffraction, Resolving power of different instruments and**

	polarisation,) **Electronics (Basic transistor**, **Transistor Biasing and stabilisation, Basic Transistor Amplifier).**
PC-PHY-302	Experimental knowledge of relevant concepts to the theory.
CC-PHY-401	Gaining knowledge of **Clasical Mechanics (Mechanics of single partical and of system of particals, Special theory of Relativity), Nuclear physics (Detectors and Accelerators, Radioactivity, The Q-Equation) and Plasma Physics (The basic concept of plasma, Motion of charge and velocity in magnetic and electric field.**
PC-PHY-401	Experimental testing of relevant concept.
CC-PHY-402	Obtaining clearity of Statistical Mechanics(Microscopic and macroscopic state,Statistical ensemble),Mathematical physics and quantum mechanics(Fourier series,Schrodinger equationand stationary states),Electronics(Digital electronics)
PC-PHY-402	Experimental testing of relevant concept.

OUTCOME o f PROGRAMME ZOOLOGY

Department of Zoology

Programme Outcome BSc	1. To understand the complex phylogeny, physiology, immunology, endocrinology, development biology and evolution of different animals. 2. For instance, if you major in Zoology, you can also still take courses from across the other complementary. 3. Apply the wide range of subject based skills of various fields that provide a base for future career in disciplines such as Health Sciences, Aquaculture, Agriculture, Environmental Management, Biotechnology, Publishing, Teaching and Research. 4. Understand the applications of biological techniques to various fields of biology. 5. When you graduate with a Bachelor of Science (Zoology) you can serve as academician in different institutes. 6. The syllabus has been designed in such a way that it will give good experience to the student to work under pressure.
Programme Specific Outcome BSc	1. The primary objective of the program is to impart quality education in the subject of Zoology as a basic science and its applied branches to the students. 2. To provide quality education in a branch of Biological sciences i.e., Zoology with different specializations. 3. To facilitate Higher education & research in zoology. 4. To provide quality education offering skill-based programs and motivate the students for self-employment in applied branches of Zoology. 5. To inculcate the spirit of resource conservation and love for nature. 6. To conduct field studies and different projects of local and global interests. 7. To provides opportunities for professional and personal development through curricular and co- curricular activities. 8. Provide consultancy and organize extension activities.

B.Sc. Zoology Course Outcomes

SC23MIDSC ZOO102 Basics of Zoology-I	After thorough understanding of the content student will be able to explain: 1. Basic knowledge about general topics of classification of kingdom Animalia. 2. The economic and ecological importance of some Non-chordates
SC23MDC ZOO103 Introduction to Zoology-I	1. The student shall have basic knowledge about general topics of cytology. 2. The student shall have basic knowledge about general topics of wildlife biology.
SC23MIDSC ZOO202 Basics of Zoology-II	After thorough understanding of the content student will be able to explain: 1. Characteristics and classification of phylum Mollusca and Annelida up to class level. 2. Economic importance of Annelida and Mollusca 3. Characteristics and classification of phylum Arthropoda and Echinodermata up to class level. 4. Economic and ecological importance of arthropods and echinoderms.
SC23MDC ZOO203 Introduction to Zoology-II	1. The student shall have basic knowledge about general topics of genetics. 2. The student shall have basic knowledge about general topics of ecology.

OUTCOME of PROGRAMME COMMERCE

Department of Commerce	
COMMERCE	To impart the various skills like accounting skills, managerial skills, analytical skill, communication skills and overall exposure of the students. It also enables the students to face the challenges in present competitive world and acquaint the students to understand the changes in worldwide scenario. Besides teach theoretical concepts, students are taught its application also. Other than developing employability of the students it also encourages to cultivate skill of an entrepreneurship. Apart from this it also enhances the knowledge of various sectors of commerce like banking, insurance, marketing, statistics, taxation, business communication, e-commerce etc.
OUTCOMES:	To improve decision making power at personal and professionallevel To build a strong foundation of knowledge in different areas ofCommerce To cultivate the skill of entrepreneurship of students To prepare the students to be competent at every level competitive world. To enhance the skill of applying concepts and techniques used in Commerce To enhance an attitude for working effectively and efficiently in a business firm. To impart basic and operational knowledge on all functional areas of commerce and management
Course Outcomes	
Economics- MAJOR	This course is meant acquaint the students with principals of Business as are applicable in business. It incorporates basic problems of an economy. Students will able to know and learn elasticity of demand, production function and theory costs.
Human Resource Management- ID/MD	To provide conceptual and procedural knowledge of functional area of Human resource management. Students will learn meaning of HRM, human resources planning in a corporate sector, performance appraisal and job design.
Accountancy-I - SEC	To provide sound understanding of the intricacies of solving practical problem relating advanced Accountancy. Students will learn consignment, branch accounts, fire insurance claims and account from incomplete records.
Communication in Business- AEC	To provide conceptual understanding and comprehension of the communication, its objectives, types, and its relevance in English.
Financial Accounting- MAJOR	To expose students to corporate accounting issues and practices such as company Final accounts, share capital transaction etc. students will learn piecemeal distribution of cash, issues and forfeiture of shares, concepts of potential equity shares, sweat equity shares, book building process, bid and buyback, redemption of redeemable shares, company final accounts.
Basic Statistics-MINOR	To make the students acquainted with initial requirement of applied statistical tools. Students will have learnt linear correlation, business forecasting, demographic statistics and matrix algebra.
Secretarial Practice-I-MINOR	To make the student familiar with the basic provisions of the Companies Act.
Fundamentals Entrepreneurship-I-VAC	It provides exposure to the students to the entrepreneurial culture and industrial growth so as to preparing them to set up and manage their own small units.
Business Economics-ID/MD	This course is meant acquaint the students with principals of Business as are applicable in business. Students will learn perfect competition, monopoly, monopolistic competition, factor pricing.
Fundamentals of Marketing Management	To provide basic knowledge of function area of marketing management and marketing research. Students will learn marketing, market demand,

– MAJOR	main functions of marketing, consumer behavior, market segmentation, marketing research, ethical issue in marketing research.
Accountancy-II - SEC	To provide sound understanding of the intricacies of solving practical problem relating advanced Accountancy. Students will learn investment accounts, joint venture, computerized accounting, hire purchase account.
Business Correspondence - AEC	To provide basic understanding business correspondence and its relevance.
Financial Accounting-II - MAJOR	To expose students to corporate accounting issues and practices such as company Final accounts, share capital transaction etc. students will learn purchase of business by a company, Indian accounting standards, underwriting of shares and debentures, redemption of debentures, capital reduction.
Operation Research-MINOR	To make the students familiar with basic knowledge of operation research. Students will learn linear programming problems, transportation problems, assignment and replacement problems, PERT and CPM techniques.
SecretarialPractice-II-MINOR	To make the student familiar with the basic provisions of the Companies Act.
Fundamentals Entrepreneurship-II-VAC	It provides exposure to the students to the entrepreneurial culture and industrial growth so as to preparing them to set up and manage their own small units.
Business Environment & Economics Policies-I – CC201	To provide understanding of business environment and policies like five-year plan, money, financial system and Indian economy.
Indian Financial System –CC202	To make students familiar with Indian Financial System. Students will learn overview of Indian financial system, money market, capital market, commercial banking, NBFC, insurance, mutual funds, capital market instrument, money market instruments.
Taxation-I –CC-203	To make students familiar with Tax pattern of India. Students will learn objectives of taxation, history of taxation, definitions as per the income tax, income tax authorities, residential status of an individuals, procedure for assessment of income tax, salary income, income from house property.
Commercial Communication -CC-204	To provide basic understanding of commercial communication. The basic objective of the course is to acquaint the student with basics of business communication.
Cost Accounting-ICE-201A	To make students acquainted with Cost Accountancy and equip them prepare cost statement. Students will learn introduction of cost accounting, materials, labour, overheads including activity based costing and conceptual understanding of activity based costing.
CorporateAccounting-CE-202A	To make the students acquainted with Corporate Accounting. Students will learn goodwill, valuation of shares, bank accounts and liquidation of company.
Basic Statistics-IIISE-201B	Students should be aware with basics of preliminary Mathematical Statistics. Students will learn mathematical expectation, discrete probability distribution 1 & 2 and continuous probability distribution.
SecretarialPractice-III-SE-201D	To make the student familiar with the basic provisions of the Companies Act.
Environment Studies:	To create awareness of environment among students through various environmental issues like global warming, earth quake etc.
Economics of Growth and Development-CC-205	To provide the knowledge of growth and developments of economy. It includes understanding of GST, Tax system, Budget of the year.
ProductionManagement -CC-206	To provide basic knowledge of Functional area of production, purchasing and inventory management. Students will learn production, production management, planning and control, purchasing, inventory control and developing & launching new products services.

Taxation-II –CC-207	To make students familiar with Tax pattern of India. Students will learn profits & gain business or profession, capital gains, income from other sources, deduction under 80C and GST.
OrganizationalCommunication-CC-208	To enable the students to present their interest in preparing questionnaires and understand the basic ideas of preparing advertisements, business reports and important fact of preparing memorandum in business.
Cost Accounting-CE-203A	To supplement and consolidate the cost accounting and costing method and equip the student to make use of various costing methods. Students will learn single or unit costing, reconciliation of profit as per cost account with profit as per financial accounts, operating costing or service costing, job, batch and contract costing.
Auditing-CE-204A	To know the meaning of auditing, various types of auditing and process of auditing in various institution. Students will learn objectives of auditing, company auditor, internal control, vouching and verification and valuation of assets and liabilities.
Basic Statistics -SE-202B	Students should able to apply basic mathematics and statistics in different sector of economics and finance. Students will learn regression, sampling methods, statistical quality control and control charts for attributes.
Secretarial Practice –IV-SE-202A	To make the student familiar with the basic provision of the company act.
Disaster Management:	To create awareness of disaster management and provide basic understanding of types of disasters, pre and post steps for preventing disaster through effective management.
Economics of International Trade – CC-301:	Main object of subject economics is it taught students how to encourage themselves in the market.
Marketing Management Practices CC-302:	To know the practices of marketing management like marketing environment, strategic marketing, marketing mix strategies. Students will learn marketing environment, strategic marketing, production innovations, product lines, marketing channel and communication, marketing communication, international marketing and international marketing.
Corporate Communication–CC-303:	To enable students to know about press report and drafting of the press reports on various incidents. To acquaint the students, the draft various resolutions on various topics. To familiarize the students with various stock exchange terms and its usages.
Basic Statistics – I- CC-304	To study differentiation & its uses by which they know rate of change, elasticity of demand which products are highly affected by price etc. Index numbers is used to predict future trend. Students will learn differentiation, index numbers, interpolation and extrapolation and business applications of derivatives.
Business Law – I – CC -305:	To understand several of business like Indian Contract Act, 1872, Sales of Goods Act-1930 and consumer protection act1986.
Cost & Financial Accounting: CE-301A	To supplement and consolidate the cost accounting and costing method and equip the student to make use of various costing methods and to expose students to corporate accounting issues and practices such as company Final accounts, share capital transaction etc. Students will learn process costing, marginal costing, amalgamation of companies in the nature of merger, amalgamation of companies in the nature of purchase.

Management Accounting – I: CE-302A	The present lesson explains the meaning, nature, scope and limitations of accounting. Further, it discusses the activities covered under management accounting and its difference with financial accounting. Students will learn functions of management accountancy, analysis of financial statement, financial ratios, cash flow statement and budgets & budgetary control.
General Knowledge: FC - 301-A:	To improve general knowledge of students to make them ready for competitive examination
Indian Business and Economic Environment:CC-306	The subject is helpful for students & their parents for understand the position of economy in current series and budget of the economy.
Fundamentals of Financial Management CC-307:	To aware about Fundaments of Financial Management like Finance Management, Capital Budgeting, Working Capital, Dividend etc. The students ask to understand financialmanagement. Students will learn scope of financial management, capital structure, working capital, cost of capital, capital budgeting, dividend policy, stock exchange and listing of securities.
Media and Public Related Communication–CC-308:	To make the students aware about stock exchange and its various elements. To make them aware of the various types of stock exchange reports, various trends and causes responsible for the trends. To familiarize the students with tender notice and auction. To enable the students to draft tender notices and auction notices. Acquaint them with relevance of businessEnglish.
Basic Statistics – II - CC-309:	To learn decision theory on that they know which decision is best in Practical problems of farmers which crop should they take businessmen how much they produced quantities according to demand. With time series they will learn to predict trend e.g. in stock market future trend will be bearing or bullish they can decide. Simple moving average is very useful in technicalanalysis. Students will learn co-ordinate geometry, analysis of time series, partial differentiation and element of decision theory.
Business Law – I – CC - 310:	To study about various act like Negotiable Instrument Act-1881, The Companies Act-1956, Factories Act-1948 and Industrial Disputes Act-1947. It will help students to understand the applicability of the variousacts.
Management Accounting – II: CE-303A	The objective of the course is to equip the students with the ability to analysis interpret and use accounting information in managerial decision making. The student is expected to have a good working knowledge of the subject. This course provides the students an understanding of the application of accounting techniques formanagement. Students will learn standard costing, time value of money, capital budgeting and inflation accounting.
Auditing –II: CE-304A:	To provide knowledge of company audit, auditor's report and certificate, divisible profit and provisions of depreciation and investigation regardingauditing. Students will learn company audit, auditor's report and certificate, divisible profit and depreciation, investigation and audit program.
General Knowledge: FC - 302-A:	To improve general knowledge of students to make them ready for competitive examination.

M.COM. Commerce	
CC101 **MANAGERIOL ECONOMICS**	To develop the managerial perspective to economic fundamentals as aids to discuss making under given environmental constraints.
CC102 **MARKETING MANAGEMENT**	To facilitate understanding o f t h e conceptual framework of marketing and its applications in decision making under various environmental constraints.
CC103 **BUSINESS RESEARCH METHODS**	To present clear, simple, systematic and comprehensives exposition of the methods, principles and techniques of statistics in various discipline with special reference to commerce, management, economics and business.
CC104 **FINANCIAL MANAGEMENT**	To understand the conceptual frame work of Financial Management and its application under various environment constraints.
SS105A **ACCOUNTING FOR MANAGERS**	To understand the accounting, financial statement analysis, emerging issues in accounting & cost accounting.
CC201 **FINACIAL MARKET**	To develop and understanding of financial market in India.
CC202 **BUSINESS ENVIRONMENT**	To understand the types of environment, economic environment, Indian company law and international business environment.
CE203A **FINANCIAL ACCOUTING & AUDITING**	To understand the Indian accounting standard, preparation and audit of financial statement, accounts of package and containers and accounting for special transactions.
CE204A **COST ACCOUTING**	To provide sound understanding of the intricacies of solving practical problems relating to Cost Accounting.
SS205C **ELEMENTS OF BANKING & INSURANCE**	To understand the types and functions of commercial bank, co-operative banking in India, different types of accounts, introduction to insurance and life insurance, marine insurance and fire insurance.
CC301 **TAXATION-I (PERSONAL TAX PLANNING)**	To equip student with application of principles and provisions of concern Tax Laws regarding personal taxation.
CC302 **STRATEGIC MANAGEMENT**	The objective of this course is to enhance decision making ability of student in situation of uncertainly in dynamic business environment.
CE303A **COST A/C II**	To understand the short term decision making techniques, limiting factors and optimal solution, differential, opportunity and relevant costing, JIT.
CE304A **FINANCIAL A/C & AUDITING -II**	To understand the financial accounting, holding company account, special auditing and cost account.
SS305B **SECURITY ANANLYSIS & PORTFOLIO MGT**	The objective of this course is to help students to understand issues in security analysis & Port Folio Management.
CC401 **TAXATION : TAXATION-II (CORPORATE TAX PLANNING & GST)**	To understand the definitions, history of taxation, GST, GST –stat and centre financial relation, concept of supply of goods & services.
CC402 **IA: INTERNATIONAL**	To develop understanding of International accounting, IFRS, Price

ACCOUNTING	Level Changes.
CE403A **MGT AC: MANAGEMENT** **AC-I**	To understand the management accounting, budgeting & budgetary control, standard costing & variance analysis.
CE404A **MGT AC: MANAGEMENT** **AC-II**	To understand the capital budget, responsibility accounting & transfer pricing.
SS405A **HRM: HUMAN RESOURCE** **MANAGEMENT**	The objective of this course is to help students understand the conceptual framework of human resource management.