SRI VENKATESWARA UNIVERSITY
Accredited By 'NAAC' With 'A+' Grade

2.6.2: Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

2.6.2: Programme specific outcomes evaluated by the institution	
Name of the department	**Programme Specific Outcomes**
Adult & Continuing Education	➢ To train the students to mastery over the subjects in terms of Literacy Programmes and Rural Development aspects. ➢ To provide an adequate skill on research methods viz, Qualitative and Quantitative. ➢ To enhance the sense of Integrity on Adult Learners Problems and Rural People Issues. ➢ To know and prepare the students to conduct extension and outreach activities. ➢ The Department has been following University and UGC guidelines to enhance, revision and implement the course curriculum for two Post Graduate Programmes. i.e. M.A. Adult Education and M.A. Rural Development and Management. The courses are providing theoretical and practical knowledge to the students. ➢ The traits of the course curriculum are development of Cognitive and Effective domain of students and train them as socially responsible citizens. Visit the Institutions, NGO's & Rural areas to draw factual information and do research on thrust areas. In turn the students can get employment in GO's NGO's or start their own social institution. ➢ Apart from that the course Inculcates Personal, family, Social values, Human values, Gender equality and Professional values to lead the respectable life. The course emphasis on Employability, Entrepreneurship and Skill Development. The programmes principles and outcomes are meant for students and community development.
Ancient Indian History, Cultural Archeology	➢ The department is specialized in teaching and research in Archaeology, Ancient and Medieval Indian History and Culture. ➢ The courses are designed with an aim to impart knowledge and skills in Archeology, Ancient and Medieval Indian History, Andhra history, ancient world cultures and influences with emphasis on the study of political, social, economic, religious, cultural development and changes. ➢ There are basic courses in core section on history which are thematic and cut across

	chronological divisions and regional polities.
	➢ The ancient history courses encouraged the study on sources for the study, evolution of social structures, economy, civilizations, religious traditions, cultural developments, political processes as well as historical geography and chronology.
	➢ Emphasis is also given to the study of Medieval history and culture with a focus on transition in Indian history from ancient to medieval and medieval to colonial period, through a reconstruction of structural continuities, regional polities, social and economic developments, as well as changes in the spheres of religion, culture and languages.
	➢ The courses dealing with archaeological studies provide basic concepts, theoretical training in field methods including process of archaeological investigation, excavation techniques, methods of Data retrieval, Chronology and Dating Methods, Prehistory, Proto-History, Historical Archaeology, Epigraphy, Numismatics, Art and Architecture.
	➢ The Tourism and Museology courses can equip the students with the solid foundation to build upon the fundamentals, useful skills and expertise that can assist employment in Tourism Industry and Museum.
Area Studies Programme (Centre For Southeast Asian & Pacific Studies)	➢ Students get acquaint with the meaning, significance and application of Area Studies as a distinctive approach in international affairs ➢ Comprehend multilateral approaches in global peace and conflict resolution processes as ways of dealing with national and international issues ➢ Apply both multidisciplinary and interdisciplinary research methods to deal with problems like traditional and non-traditional threats and challenges

	➢ Preparing students on topics like regional cooperation, international relations, globalization and national security
Centre for Womens Studies	On successful completion of M. A. Women's Studies and Management Programme, the students will be able to ➢ Understand the Gender roles and actively participate in the debates and discussions on feminist approach to development ➢ Explain the Gender and power relations and their impact on the Family, Society and other Institutions ➢ Use the range of analytical and field-based skills, leadership skills with gender perspective which will equip them with professional careers as Entrepreneurs, Social Activists and Technocrats ➢ Apply their managerial skills to work independently, in groups so that they could transform themselves into job-ready candidates and achieve their career goals in an Egalitarian society. ➢ Utilize their knowledge to join in reputed National and International NGOs to serve the Women and Children and the downtrodden people
Econometrics	➢ The students will acquire additional specialisation through optional courses. ➢ They will be able to use common software for analysis of economic data. ➢ Besides, students will be able to execute in-depth analysis of economic issues based on their understanding of economic theory, which will not only widen their opportunities for employment, but also help them to pursue their doctoral studies.

Economics	➢ To understand the basic important principles of Economics. ➢ To understand the distribution of income and wealth of the country ➢ To analyse the economic doctrines of India. ➢ To understand the various economic policies of the country ➢ To understand the trade relations among the countries ➢ To understand the efficiency and equity implications of Markets interference including government policy
Education	➢ Impact quality education to students for future teachers. ➢ Develop a high degree of expertise in all tools of teaching techniques.
English	➢ The students acquire knowledge in English Language, Linguistics, Literature, Communication and Soft Skills ➢ The students are honed for employment/further research ➢ They are equipped with life skills, values, ethics and rhetoric. ➢ Human values are taught through literature ➢ The Students are able to appreciate literary works not only in English, but also globally produced literatures.
Linguistics	➢ The students understand the basic concepts of Linguistics and ability to analyze General Historical, Comparative, Interdisciplinary and Applied Linguistics Perspectives. ➢ The students will be exposed to alternative approaches on pronunciation, sentence Formation, dictionary making through exposure to course work in allied fields and ability to suggest and solve various Language and Linguistic problems.

Hindi	➤ The Department of Hindi offering 38 courses to develop language skills, knowledge of Hindi literature written by Hindi Scholars from all over country and as well as around the world. Where capacity of Translation professional behavior of Official language and field of Journalism and Mass Communications are also critical ability for analysis of the literature and further research work. In the two years M.A. Hindi program, students has to read 12 Core papers out of 38 Courses, which are mandatory for all. ➤ Other than Core Courses student has to opt any one out of three compulsory foundations and one from two Elective Foundation along with additional Audit Course for Zero credits in I and II semesters. In III and IV semester student has to opt two Generic Elective Course out of four in each semester, along with Mandatory paper of Skill Oriented and Multidisciplinary Course in each semester, and they has to opt minimum one Open Elective from other discipline offered by other department in both semesters. M.A. program offered by department of Hindi is going to cover 12 Core Courses, 2 Compulsory foundation, 2 Elective Foundation, 2 Audit Course, 4 Generic Elective, one Skill Oriented and One Multidisciplinary Course and 2 Open Elective (12+2+2+4+1+1+2=24x4=96 Credits) majorly four field of Hindi Knowledge ie History, Language, Literature, Philosophy other than Audit Course. ➤ In New syllabus department offering Job oriented Course which will help to pass all types of Competitive exams in state and National level along with further study for research work. • Department has fully adopted the syllabus of UGC to pass all types of examinations in

different level and get job opportunity in Hindi field.

- The Programme is covered Regional and International Literature along with the literature of Hindi for development of National Integrity, introduced the course on Translated Indian Literature, Comparative Indian Literature course along with Literature of Dalit, Tribal and Women for development of understanding of Socio-cultural scenario.

- To cover regional Importance of Culture and Literature. Department is offering a course on Hindi Literature of Andhra for understanding the contribution of Telugu speaking Hindi writers of Andhra Pradesh, along with Study of Comparative Literature course.

- To know the writing skill of NRI writers and contribution of them towards Hindi title we introduced a course called Pravasi Literature for understanding the International writing of Hindi.

- To understand the Hindi Language in historical, Philosophical and Practical way and also Literature of Hindi in all types such as Poetry, Prose, Novel, short stories, Drama and One Act Play, Essays, Criticism, Autobiography, etc.

- Department introduced program to understand Philosophy of Hindi Language and Literature, Indian and Western poetics, Modern Literary Critical theories and literary movements.

- Department is offered course to learn the History of Hindi Language and Literature-Old, Medieval and Modern Period to present time and Indian Comparative Literature.

- Human Values and Ethics-two Common papers implemented by the guidance of university adopted syllabus as per the guidance of university and prepared by the dept. of Philosophy.

- Department of Hindi offering two papers as External Elective for other department student, coming from different discipline to learn the language and Literature of Hindi in general.

History	- The courses of the department of History are designed with an aim to impart knowledge and skills in Ancient, Medieval and Modern Indian History, Andhra history, world history, contemporary history with emphasis on political, social, economic, religious, cultural developments, policies and changes. - There are basic courses in core section on history which are thematic and cut across chronological divisions and regional polities. - The ancient history courses encouraged the study on sources for the study, evolution of social structures, economy, civilizations, religious traditions, cultural developments, political processes as well as historical geography and chronology. - Emphasis is also given to the study of Medieval history and culture with a focus on transition in Indian history from ancient to medieval and medieval to colonial period, through a reconstruction of structural continuities, regional polities, social and economic developments, as well as changes in the spheres of economic development, religion, culture and languages. - The courses of historiography and historical methods intended to familiarize the students with approaches to historical studies with a focus on prominent historians and on the development of historical writing in modern India. - The courses of contemporary history of India and world help the students to understand global relations and perspectives. - The Tourism, skill development and science and technology courses can equip the students with the solid foundation to build upon the fundamentals, useful skills and expertise that can assist employment in Tourism Industry. - The curriculum makes it possible for students to have comprehensive knowledge in History so

	as to enable them to clear competitive exams like UPSC, UGC NET, SET and take up teaching and research careers with confidence.
Human Rights and Social Development	➢ The Post Graduate Programme in Human Rights is designed to provide advanced Human Rights knowledge, perspectives and skills to wide cross sections of the learners. ➢ Choice Based Credit System curriculum of this course is very inclusive and has offered choice to the students to select electives/optional from other disciplines. ➢ The nature of this course is choice based as well as theoretically and practically relevant which offered job opportunities in the teaching, research and NGOs sectors to the learners.
Law	➢ BA LLB or Bachelor of Legislative Law is an undergraduate degree, which focuses on integrating knowledge regarding law and other subjects to the candidates. Students are also introduced to law case studies, which will help them practice for their career in the law field. ➢ To train learners for better performance in various competitive examination Judicial and UPSC, APPSC etc., ➢ To enable the learners to acquire and develop self- study habits and case studies. ➢ To facilitate Higher education & research in Law.
Library & Information Science	➢ These are statements that defines outcomes of a program which makes students realize the fact that the knowledge and techniques learnt in this course has direct implication for the betterment of society and its sustainability

Performing Arts	➢ Help Students to obtain All India Radio grades in Classical, Devotional and Light music categories and T.V. Programs ➢ Able to perform various roles like music performance anchoring announcing in various Medias and Provide Knowledge and skill to establish audio recording theatres. ➢ Helpful to get job opportunity as Music Teachers in Government and government aided Schools Lecturers in Government/ Aided Colleges and also Teachers in Central Government Schools. ➢ Help students to achieve higher ranking in music performing arena.
Philosophy	➢ The Student achieved the Problem solving skills of Life. ➢ The Student developed high level of knowledge relating to Human Life. ➢ The Student has won Junior Research Fellowship Examination. ➢ The Student has got Debate and Discussion ability to become Lecturer ➢ The Student has become a person of Excellence in Philosophy ➢ The Student has become Eminent Scholar in Philosophy
Physical Education	➢ Focus to create quality physical education teachers as well as sports professionals who are enthusiastic for life long practice. ➢ To develop the department to the standards of global needs. ➢ May be the Department of Physical Education is the only one which brings out all the qualities hidden in the student to excel his own self for a better person.

	➢ This program provides to make student teacher to teach and train a total personality of Physically fit, mentally alert, Mentally strong, emotionally balanced, spiritually devine and socially sound. So the specific out course is the people of total personality of prolonged healthy and fit living. This provides an opportunity to faster and pedagogy based an all round development of personality with critical though and action to lether oves own self.
Political Science & Public Administration	➢ Focus on understanding the fundamentals principles and theories of politics. ➢ To make the students learn foundations of political community, political participation and public policy process.
Population Studies	At the end of the MSW program, the student will be able to: ➢ Discover the knowledge on Social Work Theories and Practices and, demonstrate its methods with Individuals, Families, Communities, Community Organization and Social Welfare administration ➢ Develop skills to demonstrate values and ethics of Professional Social Work practice by working with diverse and vulnerable population ➢ Carryout evidence based research on contemporary issues and applies suitable interventions to solve the problems of the people ➢ Identify various Laws, Legislations, Policies and programmes at State, National and International levels related to welfare and recommend future policies for implementation ➢ Obtain knowledge on specialized fields like Counseling, Medical and Psychiatric Social Work, Gerontology, Human Resource Management and Industrial relations that provides an employment opportunity in various fields ➢ Acquire professional skills and abilities that train them challenges to tackle in their own life

	and career
	➢ Capability of conducting independent research on burning social issues, with relevant interventional programmes so as to give scientific solutions to the problem.
Sanskrit	➢ The students get knowledge in Sanskrit language, literature, Grammar linguistics and communication skills.
	➢ The students get market vendor for employment and further research.
	➢ The students acquire knowledge in values, ethics and rhetoric
	➢ The students become more human beings with an compare to other people
	➢ To practice Indian culture is over Indian life.
Sociology	➢ To inculcate theory and practical knowledge together
	➢ To include Scientific zeal and enable them for Sociological enquiry
	➢ Conjecture of Science and Social science Research Aptitude
	➢ To mould them with Trans-disciplinary understanding for lifelong learning
Tamil	➢ Provide Knowledge and skill to explore and excel in the world of poetry, authoring novels etc., and thus contributing more to the Tamil language and literature
	➢ Encourages students to take up research in the topic of their interest as this program presents them with an overall view of and various facets of Tamil language.
	➢ Develops Critical thinking and reasoning abilities of the students and transforms students into better humans to have a positive impact on society.
Telugu Studies	➢ Developing Telugu Studies on par with other languages.

	➢ Focus on to make the students to learn about Telugu culture and Literature. ➢ Developed creative independent thinking, research, criticism and analysis. ➢ To acquired skills of Journalism through the knowledge of Journalism and translation Courses. ➢ The students will well aware of our native food custom and tradition and culture through the study of Folklore.
Urdu	➢ Understanding of Dakani, Moderns Dakani and Regional literature. ➢ Knowledge of writing critical essays and news for Urdu Mass Media. ➢ Ability to write creative writings in forms of prose and poetry. ➢ Pursuing further education in Journalism and Translation
Anthropology	➢ Understanding culture as the distinguishing phenomenon of human life, and the relationship of human biology and evolution. ➢ Awareness of human diversity and the ways humans have categorized diversity. ➢ Knowledge of the significant findings of archaeology, cultural anthropology, and physical anthropology, and familiarity of the important issues in each sub-discipline. ➢ Knowledge of the history of anthropological thought and its place in modern intellectual history. ➢ Comprehension of migration, colonialism, and economic integration as significant phenomenon shaping global society. ➢ Understand the importance of anthropological research in policy making and improving human life.

	➤ They should comprehensively understand the concepts and theories of Biological Anthropology
	➤ They should comprehensively understand the concepts and theories of Social Cultural Anthropology
	➤ They should comprehensively understand the concepts and theories of Archeological Anthropology
	➤ A student of anthropology should be able to relate all the core and elective papers with each other and with overall health of populations
	➤ They should achieve the efficiency in detecting the major or social problems of society/populations.
	➤ They should themselves give research based feasible solutions related any aspect of human life.
Bio Chemistry	➤ The students will have the skills, knowledge and enthusiasm for solving different issues arising in the society scientifically.
	➤ Students will have the efficiency to carry out the projects individually, as a team leader and as a team member.
	➤ Students will get the ability and expertise to analyse the different biological, molecules, compounds at cellular and molecular level to understand their functions.
Botany	o Students acquire enhanced knowledge of the fundamental concepts of Botany and diverse groups of plants that differentiate them from each other.
	o Explain the general characters, classification, external and internal morphology, reproduction, life cycles, economic importance of different phylogenic plant groups including algal forms to Angiosperms.
	o Understand the principles and practices of advanced plant taxonomy and gain expertise in the

	field of Plant Identification ○ Understand in detail the physiological and metabolic processes of plants viz Plant development and growth, absorption and translocation of water and mineral elements, transpiration, photosynthesis, respiration. ○ Understand the symptoms of abiotic and biotic stress and molecular basis of tolerance and resistance respectively, and apply the knowledge in plant protection. ○ Understand the genetic basis of plant traits, gene expression and interaction, regulation in controlling plant development, reproduction, metabolic processes environmental interaction and Evolution. ○ Students will be able to relate the physical and chemical components of the environment to the morphological and anatomical structures and adaptation of plant populations, communities, and ecosystems. ○ Understand the Phytogeographical regions of India and Plant diversity, plant resources and their management and sustainable utilization. ○ Understand the advanced aspects of plant tissue culture, genetic engineering and genomics and their use in plant improvement ○ Acquire practical skills to learn about microscopic plant structures and perform experiments to demonstrate physiological, ecological processes and biochemical analysis of Macromolecules and Metabolites ○ Demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization viz., Pathology, Physiology, Phyoto-medicine, Mushroom cultivation, Hydrophonics and Horticulture. ○ Students are well aware of the latest research and innovations in basic and applied aspects of Plant sciences ○ Prepares students for further advanced studies, gain careers in academics, Research and Development, and Entrepreneurship in the plant field.
Biotechnology	➢ Students will be able to demonstrate and apply their knowledge of cell biology, biochemistry, microbiology and molecular biology to solve the problems related to the field of biotechnology.

	➢ Postgraduate students will be able to demonstrate and apply the principles of bioprocess engineering in the design,analysis, optimization and simulation of bioprocess operations.
	➢ Students will be able to gain fundamental knowledge in animal and plant biotechnology and their applications.
	➢ Students will be equipped to understand three fundamental aspects in biological phenomenon: a) what to seek; b)how to seek; c) why to seek?
	➢ Student will be able to (a) Describe fundamental molecular principles of genetics; (b) Understand relationship between phenotype and genotype in human genetic traits; (c) Describe the basics of genetic mapping; (d) Understand how gene expression is regulated.
	➢ Students will be able to (a) To elaborate concepts of biochemistry with easy to run experiments; (b) To familiarize with basic laboratory instruments and understand the principle of measurements using those instruments with experiments in biochemistry.
	➢ Students will be able to understand various facets of molecular procedures and basics of genomics, proteomics and metabolomics that could be employed in early diagnosis and prognosis of human diseases.
	➢ Students will be able to gain hands on experience in gene cloning, protein expression and purification. This experience would enable them to begin a career in industry that engages in genetic engineering as well as in research laboratories conducting fundamental research
Chemistry	➢ **Scientific Problem solving skills**: Deep knowledge of the topic which can develop the

	problem solving skills using chemical principles.
	➢ **Analytical skills**: Develop analytical skills such as synthesizing, separating, characterizing chemical compounds and chemical reactions with the help of sophisticated instruments
	➢ **Research skills**: Develop research skills through dissertation/project work in different fields of chemistry such as organic, inorganic, analytical, physical and environmental.
	➢ **Learning skills on life processes**: Acquire advanced level of knowledge in natural products as well as biological systems from the chemistry point of view.
Environmental Sciences	➢ By knowing pollution levels in the environment best possible fresh environment can be created in different methods like afforestation, natural parks and sanctuaries etc., for human concern.
	➢ Imparting practical knowledge about estimation of pH, Total Dissolved Solids, Hardness and Dissolved Oxygen, Chlorides and Sulphates in water samples.
	➢ Pollution free environment for human life will be achieved.
	➢ Applications of basic scientific principle in the evaluation of pollution by instruments.
	➢ Environmental potentiality will be achieved. This is indirect benefits to the society.
	➢ Discuss the solid waste collection systems, route optimization techniques and processing of solid wastes.
Fishery Sciences & Aquaculture	➢ Identify and understand different types of fishes and fin fish anatomy related to classification of commercially important crustaceans and mollusks up to sub class level and their salient features and distribution. Apply knowledge on shell fish anatomy and examine identification and morphology of cultivable organisms.
	➢ Apply appropriate methods of Aquaculture systems, selection, survey and location of suitable

	site, Aquaculture engineering, hydrology of ponds, selection of species, restocking management and stocking. Techniques of post stocking management and growth. Apply soil and water characteristics and physiology of finfish and shell fish.
Geography	➢ Compare and discusses the formation of large scale landforms involving both exogenous and endogenous processes. ➢ Know how human, physical and environmental components of the world interact.
Geology	➢ Learn the essential properties of Earth's components, including its core, mantle, asthenosphere, lithosphere, atmosphere, hydrosphere, and biosphere and also demonstrate mastery of the conceptual framework for understanding earth system processes and the development of earth's features overtime. ➢ Acquiring geologic data in the field, laboratory, satellites and big data from data banks, analyzing and interpreting the data through application of scientific method. ➢ Capable of applying advanced and current concepts and methods of the geosciences to formulate and solve complex geological problems. ➢ Students are capable of understanding the impact of a geo-engineering solution in global and societal context. ➢ Apply knowledge and techniques from allied fields, including mathematics, chemistry, physics, biology, geoengineering, and computing, to solve geological constraints in societal context.
Home Science	➢ **A knowledge base for Home science** : Knowledge and competence in Sociology,

	Psychology, Education and Home science subjects appropriate to the Extension Education programmes ➢ **Problem analysis:** An ability to use appropriate knowledge and skills to identify and solve problems in community in order to reach the objectives and goals of Extension. ➢ Design food products applying the principles of food science and nutrition to meet the challenges of nutritional problems ➢ Apply knowledge in Food science nutrition and dietetics to understand the chemical components- nutrients and non-nutrient constituents their physico chemical and functional properties, spoilage, processing, preservation, packaging of different foods. To assess nutritional status of individuals in various life-cycle stages and determine nutrition-related problems and diseases by applying knowledge of metabolism and nutrient functions, food sources, and physiologic systems in community, hospital, and in any situations.
Mathematics	➢ To develop problem – solving skills and apply them independently to problems in pure and applied mathematics. ➢ To assimilate complex mathematical ideas and argument. ➢ To develop abstract mathematical thinking. ➢ To improve own learning and performance.

Microbiology	➢ Equips capacity to venture into a career in bio based industries as scientists or technologists in the division of production, research and developmental settings. ➢ Demonstrate the concepts and research approach for their higher career in the field of microbiology and develop their scientific interest. ➢ Administer skill sets to understand the rationales behind various regulatory/legal bodies governing the R&D in the industry. ➢ Exhibit in-depth practical oriented knowledge to students in various thrust areas of microbiology, so as to meet the global demands of industry and academia. ➢ Ability to designs aids in developing solutions for complex problems with appropriate consideration to the public health and safety, and the cultural, societal, and environmental considerations.
Physics	➢ Understand the basic and advance concepts of different branches of physics ➢ Perform and design experiments in the areas of electronics, atomic, nuclear, Condensed matter and computational physics ➢ Apply the concepts of Physics in specialized areas of condensed, nuclear, renewable energies, particle physics etc in industry academia, research and day to day life.
Psychology	➢ **Problem analysis**: To identify, formulate, review literature, and analyze scientific problems in reaching conclusions using first principles of behavioral sciences and related other sciences ➢ **Modern tool usage**: To select standardized/ updated psychological testing material for investigating the identified problem with an understanding of its limitations. ➢ **Environment and sustainability**: To demonstrate the knowledge acquired for understanding

	the environmental issues and evolve methods for sustainable development.
	➢ **Communication**: To effectively communicate on various issues particularly with psychosocial problems /community problems with in society, writing of reports and design of presentations.
Statistics	➢ Understand the basic and advanced concepts of probability, distributions. ➢ Perform and design experiments in the area of Bio-statistics, advanced Bio-statistics, Time series ➢ Apply knowledge on software like Excel, SPSS and R software
Virology	➢ Demonstrate comprehensive knowledge and practical skills in the area of Virology starting from General Virology, Plant, Animal and Human Virology, Plant, Animal and Human Virus Diseases to advanced Molecular Virology, Applied Virology, Tumor Virology, Clinical Virology, Virus Epidemiology and Disease management, Virus-Host-Vector interactions, Viral Vaccines, Emerging and reemerging Viruses, Virus-based Bio-nanotechnology that are relevant and required to create employment opportunities like Faculty/Scientists in academia and industrial jobs like Pharmaceuticals and Biotech-based companies. ➢ Develop knowledge and transferable skills in the fields of Biological Chemistry, Analytical Techniques, General Microbiology, Cell and Molecular Biology, Recombinant DNA Technology, and Immunology with an introduction to Biostatistics and Bioinformatics to facilitate interdisciplinary research, which facilitates the participation and qualification in competitive examinations like GATE, UGC-CSIR-NET, APSET, GRE and Civil services. ➢ Use knowledge and skills required for identifying problems and issues, collection of relevant

	quantitative and/or qualitative data, designing strategies for identification, characterization of important, emerging, and reemerging virus pathogens infecting microbes, plants, animals, and humans and for promoting collaborative linkages with industries and research organizations for knowledge exchange and possible process/product development. ➢ Gain in depth knowledge on the overall virus world and their characteristics such as history, origin, classification, nomenclature, etiology, structure, genome organization, transmission, multiplication, pathogenesis, epidemiology, strains, diagnosis and management of pathogenic viruses, which will help to design and develop affordable point of care diagnostics, novel prophylactic and therapeutic interventions to combat the infections caused by harmful viruses of microbes, plants, animals and humans. ➢ Get exposure to open elective courses such as Tissue Culture, Mushroom Cultivation, Industrial Microbiology, Psychology, Aquaculture and Fishery Sciences, Medicinal and Ethno Botany, Hydroponics, Herbal drugs, Food and Nutrition etc., which will open new avenues and employment opportunities. ➢ Acquire knowledge on human and professional ethical practices and principles, responsibilities and norms that need to be followed in personal and professional life to contribute to the welfare of the society and mankind.
Zoology	➢ The student should acquired the knowledge with facts and figures related to various aspects in life sciences ➢ When you graduate with a Master of Science (Zoology) you will have learned how to work at a high level of academic achievement. ➢ The student to understanding the basic concepts, fundamental principles, and the scientific

	theories related to various scientific phenomena and their relevancies in the day-to-day life and the applications of Zoology in Aquaculture, Vermiculture, Sericulture, Poultry Science and Fundamentals of Clinical Science and Immunology and to create new industry in their relevant area. ➢ The student could apply the skills to handling scientific instruments, planning and performing in laboratory experiments and also drawing logical inferences from the scientific experiments. ➢ The students analyzed and realized how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments. ➢ Understand the applications of Biological techniques to various fields of biology. ➢ Attained the knowledge relating to invertebrate & chordate, developmental biology, animal physiology, Cell & Molecular biology, genetics and clinical science, Progression to PG education in Zoology, Aquaculture, Environmental science, Biotechnology, Bioinformatics, Biochemistry, Microbiology and Human genetics, The Students get employment by industries/self employment in Poultry, Veterinary and Aquaculture industries. ➢ Perform, Assess and implement practical techniques and procedure to solve biological problems and analyse and quantify data collected during any project.
Business Management	➢ To imbibe the students with requisite domain knowledge, skills & right attitude necessary to provide effective leadership in a global environment. ➢ To develop competent management professionals with strong ethical values, capable of assuming a pivotal role in various sectors of the Economy & Society. ➢ To inculcate proactive thinking to ensure effective performance in the dynamic socio-

	economic and business ecosystem.
Computer Science	➢ Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems ➢ Ability to understand the structure and development methodologies of software systems. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a broad range of programming language and open source platforms ➢ Be acquainted with the contemporary issues, latest trends in technological development and thereby innovate new ideas and solutions to existing problems
Department of Commerce	➢ **Design** Obtain skills in designing and conducting survey during the course of Project work and impact knowledge. ➢ **Use of Tools** Learn about the application of different statistical tools and techniques so as to arrive at suitable decision in the business and its success. ➢ **Individual team work** Discern knowledge about the group dynamics and team building so as to participate in community extension and outreach programmes. ➢ **Social responsibility** Apply reasoning provided by the continual knowledge to assess societal legal and cultural issues and the consequent responsibility relevant to the accounting, finance, marketing and tax planning practices

SVU College of Pharmaceutical Sciences	At the end of successful completion of programme, a graduate will: ➢ Have adequate knowledge and scientific information regarding basic principles of Pharmaceutical & Medicinal Chemistry, Pharmaceutics including Cosmeticology, Pharmacology, and Pharmacognosy including herbal medicines. ➢ Be able to develop and assure the quality of various pharmaceutical dosage forms including those of herbal origin as per standards of official books, WHO and other regulatory agencies like USFDA, MHRA etc. ➢ Be able to counsel the patients leading to physical and social well being and work as a team member of clinical trial. ➢ Be able to do product detailing, marketing, distribution and selling of pharmaceutical products. ➢ Be able to perform experimental procedures as per laboratory standards in the area of Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy. ➢ Be able to perform research on various medical aspects and implement the Pharmaceutical knowledge in formulating the best suitable dosage form to provide high quality medicines to the society.
Chemical Engineering	➢ To apply principles of conservation, thermodynamics, transport processes, reaction engineering and process control to analyze and design process equipment. ➢ To possess good breadth in scientific and engineering knowledge so as to understand, analyze and to offer novel solutions to problems arising in today's rapidly changing increasingly technological global society ➢ To participate in laboratory scale process development and scale up or scale down of processes.

	➤ To communicate effectively in both verbal and written forms.
Civil Engineering	➤ To communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. ➤ To design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations. ➤ To understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
Computer Science and Engineering	➤ An understanding of engineering and management principles and applying these as a member/leader in a team, in managing projects. ➤ An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations. ➤ An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline

Electrical & Electronics Engineering	➢ Graduates will, demonstrate professional behaviour to cater the global needs of the industry and society. ➢ Graduates will pursue higher education to upgrade their professional and research skills and inculcate the attitude of lifelong learning. ➢ Graduates will develop the qualities like creativity, leadership, team work and professional ethics contributing to the societal growth.
Electronics and Communication Engineering	➢ The broad knowledge provided to understand the impact of engineering solutions in a global, economic, environmental, and societal context ➢ An ability to select and use the appropriate advanced techniques, skills, and modern engineering tools necessary for engineering practice, with an understanding of limitations. ➢ Will be in a position to participate and become successful in competitive examinations like GATE, IES, GRE, CAT, Civil services etc.
Mechanical Engineering	➢ **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. ➢ **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

	➢ **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
IASE B.Ed	➢ Impact quality education to students for future teachers. ➢ Develop a high degree of expertise in all tools of teaching techniques.

2.6.2: Programme outcomes evaluated by the institution	
Name of the Department	**Programme Outcomes**
Adult & Continuing Education	1. Acquire knowledge in relation to types of education, policies of Adult Education aspects, Adult Psychology & Learning and Evaluation of Adult Education Programmes and progress. 2. Identify and Analyse the significance of Teaching Learning materials, Unique Curriculum and Vocational training for Adults to attend the Literacy classes. 3. Trace and Investigate the Problems of Adult Learners in terms of Socio, Economic and Cultural aspects and provide guidance & Counselling for Adult learners. 4. Design and develop materials and strategies for people participation in Community/ Mass Literacy programmes. 5. Conduct Social Research by using and adopting appropriate tools to identify the problems of learners, Teacher educators and ministerial staff in connection with literacy classes. 6. Recognise the Literacy importance skills and apply to social reforms and community development. 7. Inculcate enthusiasm towards literacy and Lifelong Learning among learners and its knowledge to clean the surroundings and protect the environment. 8. Identify the Literacy and continuing education role to enhance the individual perception towards ethics and values. 9. Find out the importance of teamwork to complete the task and literacy works and sustainable development. 10. Develop Communication skills which are essential to conduct and organise Adult Education programme by interact with the Adult Learners.

	11. Describe the Project Planning and management by following POSDCORB Principle for effective implementation of Literacy classes and LLL.
	12. Recognise the core principles of Life Long Learning with reference to Socio, Economic and Psychological development.
Ancient Indian History, Cultural Archeology	1. The department is specialized in teaching and research in Archaeology, Ancient and Medieval Indian History and Culture.
	2. The courses are designed with an aim to impart knowledge and skills in Archeology, Ancient and Medieval Indian History, Andhra history, ancient world cultures and influences with emphasis on the study of political, social, economic, religious, cultural development and changes.
	3. There are basic courses in core section on history which are thematic and cut across chronological divisions and regional polities.
	4. The ancient history courses encouraged the study on sources for the study, evolution of social structures, economy, civilizations, religious traditions, political processes as well as historical geography and chronology.
	5. Emphasis is also given to the study of Medieval history and culture with a focus on transition in Indian history from ancient to medieval and medieval to colonial period, through a reconstruction of structural continuities, regional polities, social and economic developments, as well as changes in the spheres of religion, culture and languages.
	6. The courses dealing with archaeological studies provide basic concepts, theoretical training in field methods including process of archaeological investigation, excavation techniques, methods of Data retrieval, Chronology and Dating Methods, Prehistory, Proto-History,

	Historical Archaeology, Epigraphy, Numismatics, Art and Architecture.
	7. The Tourism and Museology courses can equip the students with the solid foundation to build upon the fundamentals, useful skills and expertise that can assist employment in Tourism Industry and Museum.
Area Studies Programme (Centre For Southeast Asian & Pacific Studies)	1. The Programme on Southeast Asian and Pacific Studies (SEAPS) will enrich the students largely related to geographical, historical, political, economic, social and strategic engagement of India with the states of Southeast Asian and South Pacific countries.
	2. Educate the students with interdisciplinary outlook and multidisciplinary engagement on Southeast Asian region.
	3. Encourage the students to focus on basic topics like, foreign relations, bilateral and trilateral, quadrilateral relations, economic ties, international treaties, conventions, regional and international organizations.
	4. Students will acquire analytical knowledge in regional, international relations and conflict resolution issues and predict possible outcomes
	5. Comprehensive understanding of Southeast Asian and Pacific region through multidisciplinary approach.
	6. Students will identify research topics, collect source materials, review research literature, and analyze issues by reaching substantiated conclusions.
	7. The teaching of various courses in SEAP studies will help the students to acquire Indian history, India's cultural and multilateral relations with neighbouring Southeast Asian region and India's status in global politics.
	8. Gain expertise to examine and comment on regional, national and international issues pertinent

	to Southeast Asia and South Pacific
	9. Apply contextual knowledge to assess economic, political, security, environment, legal and cultural issues of the study area
	10. Relate ethical principles and apply professional ethics and responsibilities in International Relations.
	11. Communicate effectively on different geopolitical issues with the learned community and write effective reports or articles pertaining to the Study area.
	12. Demonstrate knowledge and understanding on the specific Area Studies and apply basic principles which are relevant to the professional career as a member or as a leader in multidisciplinary engagements.
Centre for Womens Studies	1. **Creative Thinking:** Development of creative thinking is a prime outcome of any P.G. Programme. Creative thinking enables students to think Creatively, Economically and Social. 2. **Multiple Thinking:**It enables students to think in Multiple dimensions such as Logically, Rationally, Scientifically, Politically and Economically. 3. **Self and Long life Learning:** Post Graduation course promotes Self and Long-life learning I n the broadest context of Socio, Economical changes. 4. **Self-Learning:** It improves the ability to engage in independent learning technics. 5. **Effective Communication:** Speak, Read, Write and listen clearly in person and through electronic media in English and in one Indian language and make meaning of the world by connective people, ideas, books media and technology. 6. **Social Interaction:** Elicit views of others, mediate disagreements and help reach conclusions in group settings.

	7. **Effective Citizenship:** Demonstrate empathetic social concern and equity-cantered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
	8. **Ethics:** Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
	9. **Environment and Sustainability:** Understand the issues of environmental contexts and sustainable development.
	10. **Self-directed and Life-Long Learning:** Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.
Econometrics	1. The Master of Arts programme in Econometrics has been designed with the objective to develop in-depth knowledge of students in frontier areas of economic theory and quantitative methods, so that they are able to use the knowledge to study real world economic problems.
	2. The students will acquire additional specialisation through optional courses
	3. They will be able to use common software for analysis of economic data.
	4. Besides, students will be able to execute in-depth analysis of economic issues based on their understanding of economic theory, which will not only widen their opportunities for employment, but also help them to pursue their doctoral studies.
	5. Understanding the basic assumptions in various econometric analysis, economic theories and enhance capabilities of developing ideas based on them Prepare and motivate students for research studies in Econometrics models especially by developing questionnaire, collecting primary data through field surveys.
	6. Provide knowledge of a wide range of econometric techniques using excel or other statistical

	software.
	7. To gained and evaluate Econometric Methods such as OLS, LPM, Logistic regression analyses and conclude using SPSS Package and Students will be able to write programme for Simple statistical analyse and interpret through R-programming.
	8. Motivate students to extract or utilize different websites for secondary data collection, generating concepts for various facets of econometrics studies and gather latest information provided by various Universities, UGC, ICSSR and other websites.
	9. Motivate students in preparing for various competitive examinations, NET, SLET, Indian Economic Service etc., by developing or gaining value addition day by day by giving assignments, by following a routine or developing discipline / concentration etc.
	10. The Department assesses the knowledge and competence levels of the students at the time of their entry into the post graduate programme so that the instruction could be geared to their needs and capabilities, and necessary remedial measures are adopted for the benefit of the slow learners.
	11. The student should acquired the knowledge with facts and figures related to various aspects in day- to- day life.
	12. When you graduate with a Master of Arts (Econometrics) you will have learned how to work at a high level of academic achievement.
Economics	1. **Creative Thinking:** Development of creative thinking is a prime outcome of any P.G. Programme. Creative thinking enables students to think Creatively, Economically and Social.
	2. **Multiple Thinking:** It enables students to think in Multiple dimensions such as Logically, Rationally, Scientifically, Politically and Economically.

	3. **Self and Long life Learning:** Post Graduation course promotes Self and Long-life learning I n the broadest context of Socio, Economical changes. 4. **Self-Learning:** It improves the ability to engage in independent learning technics. 5. **Effective Communication:** Speak, Read, Write and listen clearly in person and through electronic media in English and in one Indian language and make meaning of the world by connective people, ideas, books media and technology. 6. **Social Interaction:** Elicit views of others, mediate disagreements and help reach conclusions in group settings. 7. **Effective Citizenship:** Demonstrate empathetic social concern and equity-cantered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering. 8. **Ethics:** Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. 9. **Environment and Sustainability:** Understand the issues of environmental contexts and sustainable development. 10. **Self-directed and Life-Long Learning:** Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.
Education	1. **Creative Thinking:** Development of creative thinking is a prime outcome of any P.G. Programme. Creative thinking enables students to think Creatively, Economically and Socially. 2. **Multiple Intelligence :** It enables students to think in Multiple dimensions of intelligence such as Logically, Rationally, Scientifically, Politically and Economically.

	3. **Investigation :** It enables the students to apply the knowledge on research and other methods of data collection, analysis and interperpretation on research and formulate valid conclusions and suggestions
	4. **Self-Learning:** It improves the ability to engage in independent learning techniques.
	5. **Selection of tool :** It enables the student in selection of the proper tool for the investigation of the problem
	6. **Social Interaction:** Elicit views of the students and help them in interaction with the society and help reach conclusions in social groups
	7. **Environment and Sustainability:** Understand the issues of environmental contexts and sustainable development.
	8. **Ethics:** Recognize different values and ethics systems and self analyze including their own, understand the moral dimensions of their decisions, and accept responsibility for them.
	9. **Effective Citizenship:** Demonstrate empathetic social concern and equity-cantered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering
	10. **Effective Communication:** Speak, Read, Write and listen clearly in person and through electronic media in English and in one Indian language and make meaning of the world by connecting people, ideas, books media and technology.
	11. **Self and Life long Learning:** Post Graduation course promotes Self and Life-long learning In the broadest according to the context of Socio and Economical changes.
English	1. Imparts knowledge on English language studies, its history, and variety in a global context
	2. Familiarizes students with multiple accents: British, American, Indian, African etc.

	3. Instructs a scientific study of language through a study of Linguistics
	4. Furthers students in an advanced level of Literary Studies, Comparative Studies and Translation Studies
	5. Understand various genres, English and modes of linguistic and literary study.
	6. Develop critical thinking with the aid of Classical and Contemporary Critical theories.
	7. Makes the students on par with the best universities globally/nationally with highly relevant and frequently updated generic electives.
	8. Creates an ambience where students can relate life with literature
	9. Provides the necessary environment for the students to hone their literary, creative, critical, translation and research abilities
	10. Students gain substantial domain knowledge so as to facilitate their success in a highly competitive environment like UGC NET, SLET, Group Services and the like.
	11. Makes students employable in contemporary domains like content writing, BPO, advertising, news and mass media agencies.
	12. Converts students into language trainers and personality developers which are much needed in multinational setups, software sectors and other industries in a sprawling global economy
Linguistics	1. **Engaging Language and Linguistic knowledge:** Applying the knowledge of Language and Linguistic structure
	2. **Problem Analysis:** Identify Phonetics, Phonology, Morphology and Syntax – analyze different structures
	3. **Define structures:** Identifying and difference between the structure of Phonemes, Morphemes, sentences and meanings. Identify Historical comparative Inter-disciplinary and

Applied Linguistics areas.

4. **Conduct investigation of Linguistic structures:** Users use research based knowledge and research methods including design of structures, analysis and implementing of data and synthesis of the information to provide valid conclusions.

5. **Modern tool usage:** Create, select, apply and usage appropriate techniques, resources and ICT tools including prediction and modeling to complex activities with an understanding of the limitations.

6. **The Linguist and Society:** Apply reasoning informed by the contextual knowledge to access Societal, health, safety, Cultural and language issues, the consequent responsibilities relevant to the practice.

7. **Environment and sustainability:** Understanding the impact of the professional Linguistic solutions in the Societal and environmental context and demonstrate the knowledge need for sustainable development

8. **Ethics:** Apply ethical principles and commit to human values and professional ethics, responsibilities, norms of the language and Linguistic practice.

9. **Individual and Team work:** Function effectively as on individual, as a member or leader in diverse teams, in disciplinary settings. They are research works, Awareness programmes etc.,

10. **Communication:** Communicate effectively on Linguistic activities of general, Interdisciplinary and applied areas, being able to comprehend and write effective reports, design documentation, make effective presentations give and receive clear instructions.

11. **Project Management and Finance:** Demonstrate knowledge, understanding of the language and Linguistic, management principles and apply these to once own work ,as a member and a

	leader in a team to manage projects in multi- disciplinary environments
	12. **Life - long learning:** Recognize the need and importance of the preparation and ability to engage in independent and life -long learning in the broadest context of language and Linguistic change.
Hindi	1. Knowledge of Basic of modern Hindi Poetry and its evolution as well as Critical understanding of Hindi Prose.
	2. Knowledge about the importance of translation and their specialties, and Knowledge of terminology.
	3. In the history of Hindi literature, the Knowledge of Ancient, Medieval and Modern literature will be obtained.
	4. Critical understanding of contemporary Hindi Poetry and classical Knowledge of Hindi conceptual Literature and Language.
	5. Comprehensive understanding of Ancient and Medieval Hindi Poetry along with Tradition and Development of Hindi Poetry.
	6. Knowledge of Hindi computer and software and knowledge of mass media along with mass communication and Journalism, in Hindi.
	7. Knowledge of comparative literature and various research methods.
	8. Knowledge of Hindi which will acquire in official level as official Language Hindi.
	9. Knowledge of subaltern studies, Dalit and Women discourse will be obtained in Hindi Literature.
History	1. The courses of the department of History are designed with an aim to impart knowledge and skills in Ancient, Medieval and Modern Indian History, Andhra history, world history,

	contemporary history with emphasis on political, social, economic, religious, cultural developments, policies and changes.
	2. There are basic courses in core section on history which are thematic and cut across chronological divisions and regional polities.
	3. The ancient history courses encouraged the study on sources for the study, evolution of social structures, economy, civilizations, religious traditions, cultural developments, political processes as well as historical geography and chronology.
	4. Emphasis is also given to the study of Medieval history and culture with a focus on transition in Indian history from ancient to medieval and medieval to colonial period, through a reconstruction of structural continuities, regional polities, social and economic developments, as well as changes in the spheres of economic development, religion, culture and languages.
	5. The courses of historiography and historical methods intended to familiarize the students with approaches to historical studies with a focus on prominent historians and on the development of historical writing in modern India.
	6. The courses of contemporary history of India and world help the students to understand global relations and perspectives.
	7. The Tourism, skill development and science and technology courses can equip the students with the solid foundation to build upon the fundamentals, useful skills and expertise that can assist employment in Tourism Industry.
	8. The curriculum makes it possible for students to have comprehensive knowledge in History so as to enable them to clear competitive exams like UPSC, UGC NET, SET and take up teaching and research careers with confidence.

Human Rights and Social Development	1. explore the conditions and dimensions of empowering and transformative learning processes;
	2. provide an advanced qualification for students wanting to better understand the nature of international human rights in the face of global political, economic, social, legal, ethical and environmental challenges;
	3. describe and critique the differing approaches, perspectives, and models of human rights and how they impact the ways in which human rights education is carried out in diverse settings;
	4. design, conduct, analyze and present findings using diverse research tools and methods in order to create knowledge and awareness about human rights issues;
	5. drawing on critical pedagogies, produce advocacy tools and curricular resources to be used in formal or non-formal educational contexts to address human rights violations;
	6. analyze the gap between universal rights and grassroots realities in local, regional and global contexts with attention to issues of power, privilege, and marginalization;
	7. identify diverse methodological tools and skills needed to conduct ethical research;
	8. synthesize contextual understanding, reflective analysis, theoretical frameworks, and methodological training to inform the production of a thesis and field-based research projects;
	9. provide grounding in research methods relevant to the advanced study of global issues and develop learner's ability to apply these skills appropriately in an individual dissertation.
	10. provide opportunities for the development of practical skills necessary to work in

	organizations confronted by these challenges;
	11. ensure comparability of learning levels and academic standard across universities: and
	12. focus on knowledge and skill for further study, empowerment and citizenship.
Law	1. The student should acquire the knowledge with various case laws related to various aspects of law.
	2. When you graduate with a BA LLB Integrated Course you will have learned how to work at Courts, Law Firms, ADR's and NGO's.
	3. The student understanding the basic legal concepts, Constitutional principles and Legal theories related to various Legal Phenomena and their relevancies in the day-to-day life and the apply Law Principles in Supreme Court, High Courts District Courts and Lower Courts, Quasi-Judicial Bodies Alternative Dispute Resolution Tribunals, CAT, Labour Courts, etc., dealing with Civil and Criminal Cases.
	4. The student could apply the skills to deal with Civil, Criminal and Constitutional Matters.
	5. The students analyzed and realized how developments in Law that will helps in the developments of the social sciences such as Political Science, Economics, Sociology. This approach will helps in providing better solution and new ideas for Legal Developments.
	6. Attains knowledge in Constitution, Intellectual Property Rights, Civil and Criminal Laws, International Law, Commercial Laws, Practical Training and Moot Court.
	7. Perform, Assess and implement practical techniques and procedure in their practical training in Moot Courts and analyses the facts of the case.
Library & Information Science	1. Preparing the learners to acquire professional Skills, Information and Communication Technology Skills to get Job opportunities as teaching faculty in Library and Information

Science departments and as Librarians in different types of libraries.

2. Making the learners to identify, formulate, review research literature and analyse different problems to reach conclusions using principles of library management

3. Enabling the learners to design solutions for complex library problems in order to satisfy the various approaches of the user

4. Motivating the learners to conduct investigations of multifaceted problems by applying research-based knowledge and different types of research methods including conducting of user studies and case studies in libraries, analysis and interpretation of data and synthesis of the information to get right solutions to the problems

5. Inspiring the learners to learn ICT skills, Retrieval of various Electronic Resources, Library Software

6. Making the learners to understand role of libraries and librarians in the society by conducting extension programs

7. Enabling the learners to understand the impact of libraries on society by conducting webinars on reading habit and its advantages for School children

8. Motivating the learners by applying ethical principles to maintain ethics in library profession

9. Making the learners as team members and leaders in discussion groups to discuss on various topics in the curriculum

10. Enabling the learners to communicate with teaching faculty in LIS departments and librarians of various Academic Libraries, Public and Special libraries, by conducting online guest lectures to understand and write effective reports, make effective presentations and receive clear instructions on how to maintain the libraries etc.

	11. Motivating the learners to conduct user studies and case studies in libraries and users for their dissertations and projects in multidisciplinary environments 12. Inspiring the learners to cultivate reading habit and enable them to increase their skills, Re-Skills and Upskills to become lifelong learners
Performing Arts	1. This Program will guide students and scholars on various aspects of learning, teaching, research and performance in music field 2. This program will guide them to create self employment opportunity 3. Guide them to establish him and perform as a Musician and supporting Artist 4. Guide the students to establish him and perform as a Musician and supporting Artist 5. Help the students to achieve good marks in competitive exams like SET and NE 6. Motivate them to undertake research in Music 7. Help them to extend Music research to interdisciplinary and collaborative programs 8. This Program will make student's as professional performers 9. To give support for the students to become successful music teacher 10. Help the students to become Entrepreneurs in the field of Music 11. Obtain capability to direct and compose Music for Drama, Dance,etc.. 12. Empower them to establish coaching centers for music as a self employment program
Philosophy	1. The Student has known the contents of Logic and Epistemology of Indian 2. and western Philosophy.The Student Understood the Ethics of western and Indian Philosophy 3. The Student should acquired the knowledge of Ethics and values and it's important to life 4. The Student has known the nature of classical Indian Philosophy. 5. The student has utilized the principles of Vedanta to get Mukti or liberation

	6. The Student has explained the issues of Existentialism and Phenomenology
Physical Education	The Department of Physical Education provides an opportunity to the teacher, students to learn how to teach skills of all games along with fitness while making them Physically fit, mentally alert, socially sound, emotionally balanced and spiritually divine. hus unlike regular academics Physical Education provides a ideal society to the nation which can produce sound & worthy human-resource. 1. P.E.T (Physical Education Trainees) with diploma. 2. P.D (Physical Directors) with Bachelor of Physical Education. 3. Lecturer in Physical Education (Asst. Prof.) with Master Degree 4. Associate Professor with M.Phil and Ph.D., 5. 'Sports Manager' with Diploma in Sports 6. Health & Fitness Trainers with certificate course. 7. Sports Coach with certificate course. 8. Yoga Trainers with certificate course. 9. Gym Trainer with certificate course. 10. Sports officiating with Referees umpire and scorer tests. 11. Search sports opportunity for Teaching trainees through Sports Quota in Andhra Pradesh. 12. Preparing trainees for Indian Army, Indian Air-force, Indian Navy, BSF and Police as well as Income commercial tax, Indian Railways and Postal Department. 13. The programmes also enables student-teachers to get through competitive and qualifying exams like National Eligibility Test, State level eligibility test D.S.C and other tests.

	The programmes beyond Masters Degree i.e., M.Phil and Ph.D. Provides an opportunity for plenty of Research.
Political Science & Public Administration	1. Understanding of government institutions, electoral processes, and policies in a variety of countries around the world and the ability to compare the effectiveness or impact of various Political, Administrative arrangements across countries. 2. Knowledge of some of the philosophical underpinnings of modern politics and government and the legal principles by which Political, Administrative disputes are often settled. 3. Understand the changes in patterns of Political and Administrative behaviour, ideas and structures. 4. Assess how global, national and regional developments, public services and governance affect polity and society. 5. Develop the ability to make logical inferences about social and political, Administrative issues on the basis of comparative and historical knowledge. 6. Knowledge of key theories and concepts, historical developments, organizations, and modern issues in international relations.
Population Studies	**Population Studies** 1. **(KB) Knowledge based** Examine the levels and trends in population situation at regional and global levels and assess its impact on demographic, socio-economic and health aspects 2. **(PA) Problem analysis** Able to analyze the population situation for sustainable growth in the present scenario of India.

3. **(Inv) Investigation** Ability to critically analyze the qualitative and quantitative data on contemporary population issues by conducting surveys and research, and thus providing scientific solutions.

4. **(Des) Design and Development** Acquire skills in designing and conducting surveys at Micro to Macro level

5. **(Tools) Use of Tools** Demonstrate to apply different statistical tools and techniques for conducting independent research and surveys.

6. **(Team) Individual Team Work** Acquire knowledge as a team member by participating in extension and outreach programmes in the community as the department oganises large number of extension programmes.

7. **(Comm) Communication skills** Able to acquire communication skills and interview techniques and present affectively on the issues of health, population education and Family Planning among the people.

8. **(Prof) Professionalism** Demonstrate professionalism in conducting independent research and surveys and gain experience by working with NGO's

9. **(Impact) Impacts of course on society and environment** Able to understand the consequences of population growth on environment and demonstrate on sensitive/complex issues prevailing in the society. (Gender equality, Health, Small Family Size, Maternal and Child Health, Immunization, Nutrition etc with special reference to Pandemic COVID-19).

10. **(Ethics) Ethics and Equities** Up hold ethical standards, responsibility in maintaining norms and confidentialitys.

11. **(LLL) Life Long Learning** Apply learning skills and techniques acquired through theory and

practical field experience to resolve contemporary issues.

12. **Physicist & Society** To assess and solve the problems related to societal, health and safety issues using the professional skill learned

Social Work

1. **Knowledge Based** Ability to demonstrate comprehensive knowledge and understanding the professional social work, social problems, social action and, social legislations in the context of social development

2. **(PA)Problem analysis** Illustrate the theory in to practice through social work methods in solving various problems and challenges of individual, group and community.

3. **(Inv)Investigation** Equip Knowledge to investigate on contemporary burning issues and problems of the community in a scientific way

4. **(Des) Design** Develop skills and scientific attitude in identification of problems, develop research design, carryout research, conduct case and interventional studies and prepare report by applying appropriate software.

5. **(Tools) Use of Tools** Experiment different skills in conducting scientific studies, apply its finding into practice, if necessary with suitable interventional strategies.

6. **(Team) Individual Team Work** Capability to involve effectively in diverse teams as a group and team member (Observation visits, Concurrent field work, Rural Camp, Study tour and Block Field work) will facilitate cooperative and coordinated efforts working together in the interest of common issues.

7. **(Comm) Communication skills** Critically analyze and express thoughts and ideas and present clear and precise information through verbal and nonverbal communication and presentation.

Acquire skills to use ICT& IEC in different situations, demonstrate ability to access, evaluate and use of different information sources as applicable to professional needs.

8. **(Prof) Professionalism**

Understand and discover the knowledge on organizational services and its aims acquire practical knowledge and experience by working with people and examine policy ideas and priority of the community through research and theoretical ideas by safeguarding ethics and values of social work profession. Demonstrate to work in a thoughtful and systematic way, justify methods of working with a meaningful intervention, and apply skills by combine thinking using the senses.

9. **(Impact) Impacts of course on society and environment**

Demonstrate immense impact on communities through awareness and empowerment programmes by applying relevant social work methods. Help people in solving personal, familial and societal problems through adjustment and adaptation by way of social justice. Able to organize various environments related programs sensitize the people on environmental issues in order to maintain public eco-friendly relations.

10. **(Ethics) Ethics and Equities**

Illustrate the professional principles of ethics and values like confidentiality, non-judgmental attitude, acceptance etc., and develop self-esteem levels in conducting one's-life. Capable of demonstrating the ability to identify ethical issues and values in all aspects of social work profession

11**. (LLL) Life Long Learning**

Associate in self-discipline and self-directed continues learning by involving in national and

	international professional organizations and thereby aims to improve the personal and professional development in social work methods. 12. **Physicist & Society** To assess and solve the problems related to societal, health and safety issues using the professional skill learned
Sanskrit	1. To impart knowledge on Sanskrit language studies its history and verity in a global context. 2. To create knowledge about Ithihasa and Puranic literature to instruct students in an advanced level of literary studies, comparative studies and translation studies. 3. To make the students on par with the best Universities globally/Nationally with highly relevant and frequently updated generic electives. 4. To provide the necessary environment for the students to home their literary creative, critical, translation and research abilities. 5. To convert students into language trainers and personality developers.
Sociology	1. Broader Theoretical base 2. Investigate Social Facts 3. Value based Evaluation 4. Dissemination of knowledge 5. Apttidue for project knowledge 6. To in still Social Zeal 7. New or original work 8. Conglomeration of science and social science

	9. Change in knowledge
	10. Change in Attitude
	11. Change in Practice .
	12. Memorize and improvize
Tamil	1. This program will help students to learn and demonstrate their knowledge about the rich history of Tamil literature that has played a prominent role in cultural and societal development
	2. This program will enable students to create, select, apply, adapt, and extend appropriate methodologies, resourceswhile doing research and comparative study of literature of other languages with that of their own language.
	3. This program aims to produce scholars in Tamil language having the ability to use appropriate knowledge and skills to identify, formulate, analyze, and solve societal and cultural issues besides contributing to language development.
	4. This program will help students in expanding the boundaries of their knowledge on Tamil language through imparting knowledge on its literature, Grammar and History.
	5. This program intends to motivate students to take up research in the field of Tamil language and will improve the competencies of students in the field of research on Tamil language.
	6. Helps the students to gain the abilities to communicate with society at large. Such ability includes reading, writing, speaking and listening, and the ability to comprehend and write effective reports and thesis documentation, and to give and effectively respond to clear instructions.
	7. Improves the ability of the students to grasp/learn other languages easily as they learn

	linguistics as part of the program.
	8. Students will be provided with an understanding of the roles and responsibilities of a civilian in the society, especially the primary role of protection of the public and the public interest.
	9. Helps the students to extend Tamil research to interdisciplinary and collaborative programs through understanding of the interactions that Tamil literature has with the economic, social and cultural and environmental aspects of society
	10. This program guides students to explore the vastness of the Tamil literature and imparts the skills that are necessary to take up and excel in the field of literature.
	11. This program imbibes good ethics, values and morals and transforms students into better humans.
	12. An ability to identify and to address their own educational needs to maintain their competence and to allow them to contribute to the advancement of knowledge.
Telugu Studies	1. Outgoing students are acquired all fields of Knowledge in the relevant areas of Telugu programme.
	2. Have acquired sufficient skills in the areas of Language and Literature.
	3. Developed application skill, have through Knowledge in the literary and culture of Telugu Literature along with Folk and regional Literature.
	4. Acquainted synthesis and analysis skills though the study of literary criticism.
	5. Have getting evaluative ability through the study of short stories, Novels and Dramas.
	6. Imbibing the morals, Ideals and culture through the study of Classical Literature.
	7. Students became good human beings through the study of Telugu Literature.

	8. Equipped good speaking and writing ability through the study of Telugu Language and Literature. 9. Developed effective communicative skills through the study of Telugu Language. 10. Generated good teacher and researcher skills through the study of Telugu Courses. 11. Made good human beings in the society through the knowledge from the Telugu Programme. 12. Acquired better skills and knowledge in the fields of creative writing and Criticism.
Urdu	1. Overall Understanding the tradition and the dignity of Urdu literature. 2. Compete NET, SET and other competitive exams with Urdu as specialization. 3. Pursue research in Urdu language and literature. 4. Pursue further study in Urdu Journalism. 5. Differentiate among Classical, Modern and Dakani literature. 6. Write news reports and articles for Urdu mass media. 7. Teach Urdu language and literature in better manner in schools and colleges. 8. Understand the text analytically and critically. 9. Ability to appreciate literature with critical analysis. 10. An understanding of relationship between literature and real life. 11. Write critical essays on creative writings. 12. Enrich the creative skills in forms of prose and poetry.
Anthropology	1. Understanding culture as the distinguishing phenomenon of human life, and the relationship of human biology and evolution.

	2. Awareness of human diversity and the ways humans have categorized diversity.
	3. Knowledge of the significant findings of archaeology, cultural anthropology, and physical anthropology, and familiarity of the important issues in each sub- discipline.
	4. Knowledge of the history of anthropological thought and its place in modern intellectual history
	5. Comprehension of migration, colonialism, and economic integration as significant phenomenon shaping global society.
	6. Understand the importance of anthropological research in policy making and improving human life.
	7. They should comprehensively understand the concepts and theories of Biological Anthropology
	8. They should comprehensively understand the concepts and theories of Social Cultural Anthropology
	9. They should comprehensively understand the concepts and theories of Archeological Anthropology
	10. A student of anthropology should be able to relate all the core and elective papers with each other and with overall health of populations
	11. They should achieve the efficiency in detecting the major or social problems of society/populations
	12. They should themselves give research based feasible solutions related any aspect of human life.
Bio Chemistry	1. Students acquire knowledge in the chemistry of different biomolecules, which constitute living

organisms including humans. Students also will have knowledge on the different physiological systems and their functions and disorders

2. Students will get the ability and expertise to analyse the different biological, molecules, compounds at cellular and molecular level to understand their functions

3. After completion of this program students will able to investigate the causative factors of various diseases and disorders, pollutants, etc

4. The student will enable to design innovative protocols and devices which will have applicability in various fields of life sciences

5. Students acquire knowledge in latest techniques and tools that are used for investigating different types of problems related to plant, animal and humans

6. The students will have the skills, knowledge and enthusiasm for solving different issues arising in the society scientifically.

7. Students will enable to understand the importance of environment and necessary to maintain pollution free environment.

8. To understand ethical principles, professional ethics and responsibilities and apply them to solve societal problems.

9. Students will have the efficiency to carry out the projects individually, as a team leader and as a team member

10. Students will acquire communications skills to dissipate the scientific knowledge to the society

11. Students will acquire knowledge to carry out project and maintain financial requirements as per the guidelines of funding agency

12. The students being lifelong learners will be enthusiastic to update their knowledge for

	improving the human life
Botany	1. **Scientific knowledge:** Apply the advanced knowledge on plant diversity, their processes, environmental relationships, role in Global ecosystems, and fundamentals of other Life Sciences and Phytochemistry to solve the scientific problems of plant systems and their applications
	2. **Problem analysis:** Identify the problems in plant systems functioning and their applications, formulate objectives, review literature, and analysis of scientific problems in reaching conclusions using principles of Botany and other related sciences viz., Biochemistry and Biophysics.
	3. **Investigation:** Apply the knowledge based on research and other related investigative skills, including design of experiments, excution, data collection, analysis and interpretation to provide scientifically valid conclusions
	4. **Design & Development:** Plan, design and develop methodologies using plant systems to solve food, health and environmental issues taking the safety and Eco-friendly conditions.
	5. **Modern tool usage:** Design and select appropriate advanced tools for investigating the identified problem with an understanding of its working, applications and limitations
	6. The **Botanist & Society:** Asses educate and solve the problems related to societal, Health, Agriculture and Environmental safety issues using the professional skills learned
	7. **Environmental and sustainability:** Demonstrate the knowledge acquired for understanding the environmental issues and evolve methods for their sustainable management using plant systems

	8. **Ethics:** Understand ethical principles, professional ethics and responsibilities, and apply them to solve societal problems, while using plant systems and Genetic modification 9. **Individual & Team work:** Function effectively as an individual / member of team/ team leader in solving different issues and efficient delivery of goods and services. 10. **Communication:** Effectively communicate on various scientific problems/ issues with in society, particularly with Botanists/peer group, related scientists, academicians and administrators, and writing of reports and design of presentations. 11. **Project management & finance:** Demonstrate acquired knowledge and skills and apply them to generate external funding and to manage the projects within the budget limitations 12. **Lifelong learning**: Recognize the importance of continuous learning process throughout this life in view of rapid updating of Knowledge in Plant Biology and Technological changes that occur from time-to-time to reveal/manipulate plant processes.
Biotechnology	1. Demonstrate knowledge for in-depth analytical and critical thinking to identify, formulate and solve the issues related to Biotechnology Industry, Pharma industry, Medical or hospital related organizations, Regulatory Agencies & Academia. 2. Develop an ability to solve, analyze and interpret data generated from experiments done in project work or practical courses in reaching conclusions. 3. Apply the knowledge based on research and other related methods to investigate the problem and provide valid conclusions 4. Design and develop methods to measure experimental data by following ethical principles 5. Demonstrate skills to use modern analytical tools/ software/ equipments to design & develop experiments and analyze and solve problems in various courses of biotechnology.

	6. Appreciate and execute their professional roles in society as biotechnology professionals, employers and employees in various industries, regulators, researchers, educators and managers 7. Augment and demonstrate the knowledge acquired to address environmental issues and evolve methods for sustainable development 8. Adopt code of ethics in professional and social context and demonstrate exemplary professional, ethical and legal behaviours in decision making 9. Execute responsibilities efficiently in solving different issues as an individual/ member of team/ team leader 10. Apply written and oral communication skills to communicate effectively in healthcare, industry, academia and research 11. Acquire basic and advance skills in in various fields of biotechnology for self-employment and entrepreneurship 12. Develop skills, attitude and values required for self-directed, lifelong learning and professional development.
Chemistry	1. Have a firm foundation in the fundamentals and application of current chemical and scientific theories in different areas of chemistry *viz*., Analytical, Environmental, Inorganic, Organic and Physical. 2. Understands the background of organic reaction mechanisms, complex chemical structures, and instrumental methods of chemical analysis, molecular rearrangements and separation techniques 3. Familiarize with the importance of various elements present in the periodic table, coordination

chemistry and structure of molecules, properties of compounds, structural determination of complexes using theories and instruments.

4. Understand about the physical aspects of atomic structure, dual behavior, reaction pathways with respect to time, various energy transformations, molecular assembly in nano-level, significance of electrochemistry, molecular segregation using their symmetry

5. Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution.

6. Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in the subject concerned. Ability to identify unethical behavior such as fabrication, falsification or misrepresentation of data and adoptive objective, unbiased and truthful actions in all aspects.

7. Be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems

8. Clearly communicate the results of scientific work in oral, written and electronic formats

9. Explore new areas of research in both chemistry and allied fields of science and technology

10. Design, analyze and carry out scientific experiments and interpret data to provide solutions to different industrial problems

11. Independently carry out research to solve practical problems and present a substantial technical report.

12. Ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning throughout life, through self- paced and self- directed learning aimed at personal development, and adapting to change academic demands of work place through

	knowledge/ skill development/ reskilling
Environmental Sciences	1. Describe programmes environmental protection by implementing eco-friendly for human existence. 2. By knowing pollution levels in the environment best possible fresh environment can be created in different methods like afforestation, natural parks and sanctuaries etc., for human concern. 3. Imparting practical knowledge about estimation of pH, Total Dissolved Solids, Hardness and Dissolved Oxygen, Chlorides and Sulphates in water samples. 4. Inform, educate, and empower people about the potential hazards of toxic substances to environmental and human health. 5. They explain basic competence regarding environmental impacts arising from different energy carriers and technical solutions. 6. Pollution free environment for human life will be achieved. 7. Applications of basic scientific principle in the evaluation of pollution by instruments. 8. Environmental potentiality will be achieved. This is indirect benefits to the society. 9. Discuss the solid waste collection systems, route optimization techniques and processing of solid wastes. 10. Critically examine assumptions inherent in impact assessment, examine a range of environmental impact assessments and identify and explore impact assessment fields and approaches. 11. Understand requirement of oxygen for growth of organisms to break down organic matter in wastewaters.

	12. Rest and recreation to the public and income generation for the Government.
Fishery Sciences & Aquaculture	1. Apply knowledge in Aquatic Ecology and ecosystem to understand the physical and chemical characteristics of water constituents their physico chemical and functional properties. To assess organic matter and recognize various biogeochemical cycles. Determine the dynamics of aquatic ecosystem and productivity. 2. Identify and understand different types of fishes and fin fish anatomy related to classification of commercially important crustaceans and mollusks up to sub class level and their salient features and distribution. Apply knowledge on shell fish anatomy and examine identification and morphology of cultivable organisms. 3. Design supplementary feeds applying the principles of food and feeding habits and nutrition to meet the challenges of nutritional problems. Describe fertilization and liming in aquaculture ponds, dynamics of dissolved oxygen, aeration and miscellaneous treatments to increase the production. Determination and estimation of total proteins, carbohydrates and lipids in aquatic feeds 4. Know nature of ethics, values, ahimsa, crime and theories of punishment and explain Bhagavad-Gita as student, researcher and aqua technician. Know Professional and social ethics as researcher, marketing, farming, community mentor, aqua business operator and hatcheries. 5. Apply appropriate methods of Aquaculture systems, selection, survey and location of suitable site, Aquaculture engineering, hydrology of ponds, selection of species, restocking management and stocking. Techniques of post stocking management and growth. Apply soil and water characteristics and physiology of finfish and shell fish

6. Discuss digestion, respiration, excretion and osmoregulation, circulatory system, neuroendocrine system and reproduction. Describe bioluminescence, mating and parental care. Describe the culture of Indian major carps, exotic carps, air breathing fishes. Locate Hatchery management, Fresh water prawn and pearl culture. Predict Aquarium fishes and management

7. Communicate effectively viral and bacterial diseases in finfish and shellfish. Nutrition and environmental stress diseases information in person and with community. Microbiology and fish pathology. Acquire skills in writing research report, documentation, case studies, seminar presentations, group discussions and marketing strategies.

8. Describe fish immunology and immunotechnology. Social and environmental dimensions within nutrition and the life sciences. Able to demonstrate the cell biology , genetics and immunology

9. Know basic structure of cell and its organelles, chromosomes, principles of physico chemical basis of heredity, genetic rationale in fish breeding, natural hybridization and cytogenetics of fishes

10. Apply knowledge on chemical composition of fish and shellfish, common bacteria present in fish, handling of fish. Prepare pharmacology chromosomal engineering and hormonal manipulation of genetics, recombinant DNA and Polymerase chain reaction and gene amplification

11. Develop and design fish feeds, supplementary feeds, biomolecules enzymes metabolism and bioenergetics. Identify computer application and scope of biostatics and statistical analysis in an aquaculture

12. Learn new concepts of fish breeding and hatchery management, limnology, Bioinformatics in

	aquaculture, General Principles and practices of Aquaculture, Ornamental fish Culture, fish processing technology, marine pollution
Geography	1. To understand the concept of place and how it is connected to people's sense of belonging to the physical environment, landscape and culture.
	2. The main outcome is students can able to select different projection fordifferent geographical areas.
	3. Explain the importance of advanced cartography in map making and presenting.
	4. Acquire good knowledge about different procedure of map making and various projection system ofmap making by developing broad knowledge about latitude, longitude, meridians, parallels etc.
	5. Obtain the knowledge on fundamentals of atmospheric phenomena, global climate systems and climate change.
	6. Understand the atmosphere and climate are a critical part of the earth system, and climatic variability and change are central to the issue of current and future global environmental change.
	7. With the sound knowledge on the process, principles, effecting factors, techniques of Remote sensing student can understand interpretation of the data in much more accurate.
	8. Explain the elements of weather maps and analyse and interpret the weather maps
	9. Students can able to understand how to represent the data through different diagrams and graphs
	10. Students will demonstrate an understanding of current research within the breadth of

	geography, as well as more in depth knowledge of research in their specialty areas.
	11. Students will develop a solid understanding of the concepts of "space," "place" and "region" and their importance in explaining world affairs. To Provide a comprehensive introduction to basic concepts and key theoretical approaches in economic geography To Introduce economic geography as a dynamic, diverse and contested body of knowledge
	12. To enable you to apply this knowledge to key social and economic issues in the context of economic globalization
Geology	1. To develop an in-depth knowledge and skills in qualitative and quantitative research methods through laboratory, field and web modes of learning.
	2. Recognize the need for sustainable use of earth resources, and value environmental, indigenous and other community perspective on geological activities.
	3. Apply geological knowledge and critical thinking skills to identify a problem and to describe a strategy for handling.
	4. Synthesize geological data on arrange of spatial and temporal scales to make interpretations that allow for scientific uncertainty.
	5. Work effectively and professionally in multidisciplinary teams as a member and a leader and be able to manage and analyze complex ethical issues.
Home Science	**Food Science, Dietetics & Nutrition**
	1. Apply knowledge in Food science nutrition and dietetics to understand the chemical components- nutrients and non-nutrient constituents their physico chemical and functional properties, spoilage, processing, preservation, packaging of different foods. To assess

nutritional status of individuals in various life-cycle stages and determine nutrition-related problems and diseases by applying knowledge of metabolism and nutrient functions, food sources, and physiologic systems in community, hospital, and in any situations.

2. Identify and understand different problems related to food science, food microbiology, food adulteration and nutritional problems in different stages of life in health and disease- its consequences and dietary management and apply knowledge to tackle these problems.

3. Design food products applying the principles of food science and nutrition to meet the challenges of nutritional problems.

4. Conduct research in different fields of nutrition using human and animal models, designing new food products, food service establishments.

5. Apply appropriate techniques to design, process, preserve, analyze and authenticate the different components of foods and food products.

6. Function effectively in different facets as dietitian, quality control systems, food analysts, research and development, food product designing, different food service establishments, and policymaking.

7. Communicate effectively Nutrition information in person and with community. Acquire skills in writing research report, documentation, case studies, seminar presentations, group discussions, and marketing strategies.

8. Describe social and environmental dimensions within nutrition and the life sciences. Able to demonstrate the National and International food laws, regulations and safety standards in application of food additives to ensure safe food.

9. Know Professional and social ethics as researcher, dietitian, community mentor, food business

operator.

10. Apply knowledge of Nutrition and food science for sustainable development of the society in terms of socio cultural aspects, attitudes, and practice balanced diet in health and disease, food quality and safety regulations, food adulteration, food safety and hygiene.

11. Develop and design their own food business plan in terms of food business operators and food service establishments.

12. Learn new concepts of Nutrition science in global perspective and prepare themselves for life long learning process.

Human Development & Child Welfare

1. **Apply knowledge of theory and research for holistic development of** individuals and families over the lifespan period with a special focuses on early foundation years

2. Identify, understand and **solve the behavioural and psychological problems** with a mastery of counselling skills thereby increase students" control over the decisions that affect their lives both within and outside the household

3. Capable to **design,** implement and evaluate interventions for early developmental delays to improve physical, cognitive and psycho-social wellbeing of children, their parents and elderly people

4. Utilize theory based knowledge and methods to address real life problems   and to collect data , analyse and understand **solutions for   problems** related to lifespan development

5. Create suitable teaching learning materials, select and **apply appropriate approaches** to teach pre-school children for all round development. Apply research **innovations and appropriate educational strategies** that support learning of differently abled students

6. Able to employ critical thinking to resolve the problems efficiently related children ,family and society either **independently** or with the support of concerned authorities. Ability to guide and lead needy people in the **community/work setting** in the right direction

7. **Communicate effectively** and accurately, use written, visual, and verbal means to present class reports , research reports and pre-school teaching practice . Develop skills in verbal and non-verbal communication in preparation and presentation of IEC while working with children and communities to disseminate information related to human development aspects

8. **Demonstrate understanding of knowledge** related to normal and delayed mile stones of development of children , impact of different parenting styles on children"s behaviour and reasons for problem behaviour and responsibilities as **Human Development Expert** to disseminate same to parents , teachers and significant others in the community.

9. Demonstrate **ethical** principles in the context of counselling practice and psychological testing by following unbiased and truthful actions in all aspects of assessments and maintaining confidentiality of case studies while doing documentation and publication

10. Understand the availability of Government and non-government programmes and services for rehabilitation of children , indigent families and elderly and through intervention programmes provide **sustainable** solutions and build resilient families and communities

11. **Demonstrate knowledge and understanding of management of pre-schools,** welfare

institutions for children and needy people/elderly, education of special children and counseling practice, with innovative, appropriate ,advanced techniques, skills, and modern psychological tools with an understanding of limitations

12. Recognize the need for self-motivated **life-long learning** for the holistic development for meeting their professional and personal needs in varying environment and changing contexts

Extension Management & Communication Technology

1. **(KB) A knowledge base for Homescience** : Knowledge and competence in Sociology, Psychology, Education and Home science subjects appropriate to the Extension Education programmes

2. **(PA) Problem analysis:** An ability to use appropriate knowledge and skills to identify and solve problems in community in order to reach the objectives and goals of Extension.

3. **(Inv.) Investigation:** An ability to identify the needs and problems, prioritize, and develop a programme for community development.

4. **(Des.) Design:** An ability to design solutions for different types of problems associated with different areas of Home science

5. **(Tools) Use of PRA tools in Home science:** An ability to select and use of the PRA tools in Home science, and application of appropriate technologies necessary for conducting extension programmes in the community.

6. **(Team) Individual and team work:** An ability to work effectively as a member and leader in the teams to meet the specific nutrition and health needs of the rural community.

7. **(Comm.) Communication skills:** An ability to communicate effectively in the dissemination of

Home science knowledge to society.

8. **(Prof.) Professionalism:** An understanding of the roles and responsibilities of the professional Home scientist in society.

9. **(Impacts.)** An ability to analyze social, economic, cultural and health aspects of the society.

10. **(Ethics): Ethics and Equity:** An ability to apply ethical principles, professional ethics, norms of Home science Extension education and equity.

11. **(Econ.): Economics and Project management:** An ability to appropriately incorporate economics and project management in research work and to understand their limitation.

12.**(LL) Life-long learning:** An ability to identify and to address their own educational in a changing world in ways sufficient to maintain their competence and to allow them to contribute to the advancement of knowledge.

FOOD TECHNOLOGY

1. Demonstrate and apply comprehensive knowledge and understanding gained in food Science, food chemistry, microbiology, Technology of various foods and food products, food processing, Food product development quality control and Community nutrition in an integrated manner to the development, processing, and preservation of safe, nutritious, and high-quality foods.

2. Identify, Understand and analyze problems related to food technology and make suitable decisions to find an appropriate solution for the same as identify the factors responsible for food spoilage, food contaminants and adulterants and the methods to detect and control the same.

	3. Design and develop food products by apply the concepts of Food Technology in creative manner to meet the needs and demands of the customers and industry. Formulate and develop tailor made products as per the needs of customers such as specialty foods.
	4. Students develop a scientific knowledge with a sense of enquiry through various food technology papers. Able to strengthen research skills in order to meet the global challenges associated within all aspects of the food science and technology to develop their capacity to undertake research into the science of foods from farm to fork.
	5. Demonstrate knowledge in various aspects of food and its application in food industry, concept of unit operations in food processing, conventional and advanced methods of food science, processing, preservation, methods of packing, post-harvest practices bakery and confectionery, meat, poultry and fish processing, food fermentation, dairy processing so as to develop food products. Able to Utilize advanced instruments and technologies to process and analyze food products and to solve food safety and quality related problems.
	6. Able to work as individual as well as in teams with others from different backgrounds and confident to work in diverse socio-cultural settings with multicultural groups and teams in food industries, institutions, food research and quality control laboratories, academic institutions and governmental agencies as well as an entrepreneur.
	7. Able to communicate orally and in writing related to discipline-specific, technical and non-technical aspects with effective interpersonal skills. seminars and Presentations in each paper enhances their confidence, ability to express themselves & presentation skills. Can effectively communicate scientific knowledge to meet the needs of industry and the consumer for the production and marketing of safe and quality foods.

	8. Have knowledge in regulations governing on legal, safety, security and health issues and Able to follow food laws, regulations and safety standards in application of food additives preservatives etc. and apply the principles of Hazard Analysis and Critical Control Points (HACCP) to ensure safe food processing.
	9. Understand and apply personal and professional ethics and responsibilities of food technologist in product development, quality, documentation and publications.
	10. Find solutions for industrial and societal problems by effective utilization of byproducts, developing value added foods and transfer of technologies for sustainable development.
	11. Screen business ideas, conduct market research, acceptability, quality control, shelf life studies and test market of the food products to avoid risks in commercialization of food products.
	12. Acquire ability to gain knowledge and skills which are necessary throughout their life as professionals seeking to expand their career prospects into a wide range of Academic, research, employee and entrepreneurial roles in the broad field of food technology for their holistic development.
Mathematics	**Mathematics**
	1. Apply the knowledge of Mathematics in all the fields of learning including higher research and its extensions.
	2. Equip the student with skills to analyse problems, formulate the hypothesis, evaluate and draw reasonable conclusions.
	3. Investigate and apply mathematical problems and solutions in a variety of contexts related to science, technology, business and industry.
	4. Able to design and develop mathematical experiments to solve environment problems like

	global pollution, aerosol particles weather and virus in atmosphere.
	5. Utilize Number Theory in the field of Cryptography that helps in hiding information and maintaining secrecy in military information, transmission, computer password and e-commerce. Facilitate the study of groups in crystallography in chemistry and Lie symmetry groups in physics.
	6. To interpret the data like dosage of medicine, nutritious food to children and effectiveness of new drugs and survival rate of cancer parents under certain treatments etc.
	7. Illustrate solutions using numeric or graphical or programming methods.
	8. Imbibe high standards in life by understanding the values and ethics in their life..
	9. Investigate and solve unfamiliar math problems and allow to think on unsolved mathematical problems.
	10. Imbibe effective, scientific / technical communications in both oral and write.
	11. Acquire knowledge in designing Mathematical models. Also generate funds through various research projects.
	12. Ability to think, acquire knowledge and skills through logical reasoning and develop a habit of self- learning throughout life.
Microbiology	**Microbiology**
	1. Have Knowledge and technical skills associated with microbiology laboratory for delivering quality clinical investigation
	2. Perform safe use of basic laboratory glassware and equipment including the cell counter, microscope, centrifuge, incubator, Hot air oven, autoclave, colorimeter, and Laminar air flow.
	3. Perform advanced molecular microbial methods including Polymerase Chain reaction, Site

directed mutagenesis, SDS-PAGE, Agarose gel electrophoresis, Western blotting, Southern blotting, Transformation, Transduction, Conjugation and AMES test etc,

4. Conduct routine clinical laboratory procedures within acceptable quality control parameters in bacteriology, virology, mycology, parasitology and immunology.

5. Learn Problem solving techniques in identification and correction of pre analytical, post analytical & analytical variables.

6. Demonstrate technical skills, social behavior and professional awareness for functioning effectively as a microbiology technician.

7. Maintain & operate laboratory equipment utilizing appropriate quality control and safety procedures.

8. Identify the impact of laboratory tests in a global and environmental context.

9. Perform as a leader/team member in diverse professional and industrial research areas.

10. Use the fundamentals of research process to complete and present research studies that enrich the all areas of advanced research.

11. Gain practical knowledge through internship at various food industries.

12. Ability to inculcate an attitude of enquiry towards developing innovative ability and enhancing entrepreneurship skills.

Industrial Microbiology

1. Grasp of basic and advanced knowledge on various domains of Microbiology.

2. Ability to integrate technologies through an inter-disciplinary learning habit.

3. Demonstrate an independent thinking ability.

4. Ability to communicate effectively.

	5. Equipped with laboratory skills in microbiology.
	6. Awareness of the impact of biosolutions in a global, economic, environmental, and societal context.
	7. Understanding of professional and ethical responsibility.
	8. Ability to design and conduct experiments, as well as to analyze and interpret scientific data.
	9. Awareness of contemporary issues that can be mitigated or supported through life science know how and industrial microbiology skills.
	10. Recognition of the need for, and an ability to engage in life-long learning.
Physics	1. **Scientific knowledge**: To apply the knowledge of physics, chemistry, mathematics, engineering fundamentals to the solve complex scientific problems
	2. **Problem analysis**: To identify, formulate, review literature, and analyse scientific problems inreaching conclusions using first principles of mathematics and physics and related other sciences
	3. **Investigation**:To apply the knowledge based on research and related methods, including design of experiments, data collection, analysis and interpretation to provide valid conclusions
	4. **Design & Development**: To plan, design and develop experiments to measure the experimental data taking the safety and environmental considerations
	5. **Modern tool usage**: To select appropriate technique or tool or model for investigating the identified problem with an understanding of its limitations.
	6. **Physicist & Society**: To asses and solve the problems related to societal, health and safety issues using the professional skills learned

	7. **Environment and sustainability**: To demonstrate the knowledge acquired for understanding the environmental issues and evolve methods for their sustainable development 8. **Ethics**: To understand ethical principles, professional ethics and responsibilities, and apply them to solve societal problems. 9. **Individual& Team work**: to function effectively as an individual / member of a team / team leader in solving different issues,. 10. **Communication**: To effectively communicate on various issues particularly with Physics community, scientific problems with in society, writing of reports and design of presentations. 11. **Project Management & finance**: To demonstrate acquired knowledge and skills and apply them to generate external funding and to manage the projects within the budget limitations. 12. **Lifelong learning**: To recognize the importance of learning process throughout the life in view of technological changes that occur from time-to-time.
Psychology	1. **Scientific knowledge**: To apply the knowledge of Psychology, management, education sociology social work and linguistics. 2. **Problem analysis**: To identify, formulate, review literature, and analyze scientific problems in reaching conclusions using first principles of behavioral sciences and related other sciences. 3. **Investigation**: To apply the knowledge based on research and related methods, including design of experiments, data collection, analysis and interpretation to provide valid conclusions. 4. **Design & Development**: To plan, design and develop experiments to measure the experimental/survey/ observation data taking the safety and environmental considerations. 5. **Modern tool usage**: To select standardized/ updated psychological testing material for investigating the identified problem with an understanding of its limitations.

	6. **Psychologist & Society**: To asses and solve the problems related to societal, health and safety issues using the professional skills learned.
	7. **Environment and sustainability**: To demonstrate the knowledge acquired for understanding the environmental issues and evolve methods for sustainable development.
	8. **Ethics**: To understand ethical principles, professional ethics and responsibilities, and apply to solve Psychological/societal problems.
	9. **Individual & Team work**: To function effectively as an individual / member of a team / team leader to solving different issues.
	10. **Communication**: To effectively communicate on various issues particularly with psychosocial problems /community problems with in society, writing of reports and design of presentations.
	11. **Project Management and Finance:** Acquire basic and advanced skills in various fields of psychology for self-employment and entrepreneurship.
	12. **Lifelong learning**: To recognize the importance of learning process throughout the life in view of psychological changes that occurs from time-to-time.
Statistics	1. Apply the scientific knowledge to solve the statistical data analysis problems
	2. Identify, formulate and analyze advanced scientific problems reading substantiated conclusions for all kind of disciplines like medical, biological series and so on.
	3. Creative design solutions for advanced scientific problems `and design system components using statistical analysis that meet the specified need with appropriate attention to health and safety risks.
	4. Using statistical analysis understanding the impact of the scientific solutions in societal and

	environmental contexts, and demonstrate the knowledge and need for sustainable development.
	5. Create, select and apply appropriate techniques, resources and modern statistical tools to complex statistical problems with understanding of the limitations.
	6. analyzing the impact of marketing sales into the society using data science techniques.
	7. By statistical methods demonstrating the knowledge and understanding the scientific principles and applying the statistical tools to manage projects and in multidisciplinary environments.
	8. apply ethical principles and norms of scientific practices
	9. Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings by statistical approach.
	10. Understanding the working of various analog communication techniques by using data science methods
	11. Project management of finance in collaboration with various firms by data science techniques
	12. Recognize the need and have the preparation and ability to engage independent and life-long learning in the broadest context of scientific and technological change by statistical approach.
Virology	1. **Disciplinary Knowledge:** Ability to demonstrate understanding, comprehensive knowledge and skills in various methodological and analytical approaches that are used in contemporary areas of Virology which will make them eligible for higher studies, jobs in various sectors and entrepreneurship abilities.
	2. **Communication skills:** Ability to express, communicate and share thoughts, scientific concepts and ideas and experimental results clearly, concisely, and effectively, both in writing

and orally.

3. **Critical thinking and problem solving:** Capability to evaluate basic concepts, theories and mechanisms related to Virology based on empirical evidence by following strategic scientific approach to acquire knowledge to find solutions to virus problems related to microbes, plants, animals, and humans.

4. **Analytical reasoning:** Ability to evaluate the reliability and relevance of evidence, identify logical flaws in others argument, analyse and synthesize data from a variety of sources; draw valid conclusions with supporting evidences and examples and address opposing viewpoints.

5. **Scientific reasoning and research-related Skills:** Develop ability to review of scientific literature, independently carry out a complete scientific work process, including the understanding of theoretical background, defining, and formulating problems, hypothesis generation, collection, analysis and evaluation of data, and interpretation and presentation of results of an experiment or investigation in the field of Virology.

6. **Collaboration/Cooperation/Teamwork:** Demonstrate high competence and multidisciplinary subject experience within selected topics related to Virology as a team member and ability to facilitate cooperative or coordinated effort and to contribute to a multidisciplinary team in the interest of common cause.

7. **Information/Digital literacy :** Ability to use ICT (Information and communication Technology) in a variety of learning situations, demonstrate the ability to access, evaluate and use a variety of relevant information sources and to use appropriate software for analysis of data.

8. **Self-directed learning:** Ability to work independently, identify appropriate resources required

	for a project and manage a project through to completion.
	9. **Usage of modern tools and techniques:** Ability to demonstrate the practical skills in use of appropriate modern tools, advanced technologies and methods and skills necessary for designing and conducting experiment or investigation with an understanding of limitations.
	10. **Moral and ethical awareness/reasoning:** Demonstrate the ability to assess and predict the technological, ethical, and social effects of one's own work /disciplines and of Virology, use ethical practices and avoid unethical behavior such as fabrication, misrepresentation of data or committing plagiarism, not adhering to intellectual property rights, and adopt objective, unbiased and truthful actions in all aspects of work.
	11. **Leadership readiness/qualities:** Acquire teamwork abilities and leadership qualities through various activities during their course work and demonstrate capability to map out the tasks of a team or an organization, and sett direction, formulate an inspiring vision, build a team who can help achieve the vision, motivate, and inspire team members to engage with that vision, and use management skills to guide the team to the right destination in a smooth and efficient way.
	12. **Lifelong learning:** Ability to acquire knowledge and skills that are necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development and adopt to meet the demands of workplace through knowledge/skill development/reskilling.
Zoology	1. The student should acquired the knowledge with facts and figures related to various aspects in life sciences
	2. When you graduate with a Master of Science (Zoology) you will have learned how to work at a high level of academic achievement.

	3. The student to understanding the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life and the applications of Zoology in Aquaculture, Vermiculture, Sericulture, Poultry Science and Fundamentals of Clinical Science and Immunology and to create new industry in their relevant area. 4. The student could apply the skills to handling scientific instruments, planning and performing in laboratory experiments and also drawing logical inferences from the scientific experiments. **5.** The students analyzed and realized how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments. 6. Understand the applications of Biological techniques to various fields of biology. **7.** Attained the knowledge relating to invertebrate & chordate, developmental biology, animal physiology, Cell & Molecular biology, genetics and clinical science, Progression to PG education in Zoology, Aquaculture, Environmental science, Biotechnology, Bioinformatics, Biochemistry, Microbiology and Human genetics, The Students get employment by industries/self employment in Poultry, Veterinary and Aquaculture industries. 8. Perform, Assess and implement practical techniques and procedure to solve biological problems and analyse and quantify data collected during any project.
Business Management	1. To equip the students with requisite knowledge, skills & right attitude necessary to provide effective leadership in a global environment. 2. To analyze and synthesize information across disciplines/functions in order to evaluate business opportunities and make sound business decisions.

	3. To evaluate business environment and opportunities and devise strategies for responding effectively to problems, threats, and opportunities.
	4. To summarize and apply theories of team composition, process, and motivation (including inclusivity and diversity) to effectively manage work teams.
	5. To lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment.
	6. To foster analytical and critical thinking abilities for data-based decision making.
	7. To harness entrepreneurial approach and skill sets.
	8. To make them utilize qualitative and quantitative methods to investigate and solve critical business problems.
	9. To integrate tools and concepts from multiple functional areas (i.e. finance, marketing, operations, etc.) to solve business problems.
	10. To develop competent management professionals with strong ethical values, capable of assuming a pivotal role in various sectors of the Indian Economy & Society, aligned with the national priorities.
	11. To recognize the need and adopt the knowledge of contemporary issues, and also to engage in life-long learning.
	12. To help organizations adapt in the emerging business landscape.
	13. Ability to develop value based leadership approach.
Computer Science	**MCA** 1. Produce knowledgeable and skilled human resources who are employable in IT industry, government, academic institutions, research and development, entrepreneurial pursuit and software

	firms
	2. Produce professional who will impart knowledge required for planning, designing and developing software systems and interfaces.
	3. Develop human skills who will achieve long-term sustainability, having decision making and good analytical capability.
	4. Develop professional who can compete globally and impart ethical values and professional skills towards society.
	6. Apply the basic mathematical, scientific and engineering concepts appropriate to the discipline of Computer Science and Engineering and analyze a problem, identify and define the computing requirements appropriate to its solution.
	7. Use state-of-the-art techniques, tools and skills necessary for computing practice and Demonstrate the knowledge of sustainable development considering the impact of computing solutions in a global, economic, environmental, and societal context and apply ethical principles and commit to professional ethics and responsibilities and norms of the Computer Science and Engineering practice.
	Computer Science
	1. Domain Expertise: communicate computer science concepts, designs, and solutions effectively and professionally;
	2. Computing Skills and Ethics: apply knowledge of computing to produce effective designs and solutions for specific problems
	3. Lifelong Learning and Research: identify, analyse, and synthesize scholarly literature relating to

	the field of computer science
	4. Modern Tool Usage: use software development tools, software systems, and modern computing platforms
	5. Social Contribution: an understanding of professional, ethical, legal, security and social issues and responsibilities
	6. Ethics: capable of evaluating personal and professional choices in terms of codes of ethics and ethical theories and understanding the impact of their decisions on themselves, their professions, and on society
	7. Life Long Learning: apply design and development principles in the construction of software systems of varying complexity
Department of Commerce	**Commerce Regular** **1. (KB) Knowledge Based** Apply Knowledge in the functional areas of management and analyse the significance of commerce in modern times. **2. (PA) Problem Analysis** Acquire knowledge about the concepts and postulates of accounting its branches, finance and HRM and trace out appropriate solutions to the compulsory problem. **3. (Inv) Investigation** Critically analyse the qualitative and quantitative data on contemporary issues in the field of

accounting and finance.

4. (Des) Design

Obtain skills in designing and conducting survey during the course of Project work and impact knowledge.

5. (Tools) Use of Tools

Learn about the application of different statistical tools and techniques so as to arrive at suitable decision in the business and its success.

6. (Team) Individual team work

Discern knowledge about the group dynamics and team building so as to participate in community extension and outreach programmes.

7. (Comm) Communication skills

Inculcate communication skills and learn interview participation techniques for acquire Proper placement.

8. (Prof) Professionalism

Demonstrate professionalism in undertaking independent research surveys and project works.

9. (Impact) Impacts of course as society and environment

Understand the emerging trends in the field of Accounting, Finance, Marketing and HRM and their impact on society and demonstrate the knowledge required for sustainable development of industry and service sector.

10. (Social) Social responsibility

Apply reasoning provided by the continual knowledge to assess societal legal and cultural issues and the consequent responsibility relevant to the accounting, finance, marketing and tax planning practices.

11. (Ethics) Ethics and Equities

Explore the axiomatic wisdom an ethics and equities in various walks of life and professions and learn who to thrive in the society with moral and ethical values.

12. (LLL) Life Long Learning

Recognise the need for, and have the skills to engage in independent and life-long learning in the broadest context of changes and turbulent environment revolved around commerce, trade and industry. Also apply learning skills and techniques obtained through theoretical, conceptual framework, computer practical and project field experiences to resolve contemporary issues.

Commerce Financial Management

1. (KB) Knowledge Based

Familiarise oneself with the objectives of financial management and have on insight into the

various concepts, tools and techniques of financial management.

2. (PA) Problem Analysis

Analyse the crucial and critical issues in the area of finance and apply various techniques to take such issues and explore appropriate solutions to the problems that cramped finance area.

3. (Inv) Investigation

Obtain knowledge and investigate into the areas like financing and investment decision making, trends in working capital management, assessing the trends in strategic and International Financial Management

4. (Des) Design

Obtain skills in designing and conducting survey during the course of Project work and impact knowledge.

5. (Tools) Use of Tools

Learn about the application of different statistical tools and techniques so as to arrive at suitable decision in the business and its success.

6. Team Individual team work

Discerns knowledge about the group dynamics and team building so as to participate in community extension and outreach programmes.

7. **(Comm) Communication skills**

Inculcate communication skills and learn interview participation techniques for acquire Proper placement.

8. **(Prof) Professionalism**

Exhibit professionalism to take up necessary and project works in the field of corporate finance and arrival at concrete solutions to many complex problems that have bearing on corporate finance.

9. **(Impact) Impacts of course as society and environment**

Understand the emerging trends in the field of Accounting, Finance, Marketing and HRM and their impact on society and demonstrate the knowledge required for sustainable development of industry and service sector.

10. **(Social) Social responsibility**

Apply reasoning provided by the continual knowledge to assess societal legal and cultural issues and the consequent responsibility relevant to the accounting, finance, marketing and tax planning practices.

11. **(Ethics) Ethics and Equities**

Explore the axiomatic wisdom an ethics and equities in various walks of life and professions

	and learn who to thrive in the society with moral and ethical values. **12. (LLL) Life Long Learning** Recognise the need for, and have the skills to engage in independent and life-long learning in the broadest context of changes and turbulent environment revolved around commerce, trade and industry. Also apply learning skills and techniques obtained through theoretical, conceptual framework, computer practical and project field experiences to resolve contemporary issues.
SVU College of Pharmaceutical Sciences	**B.Pharmacy** 1. Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society through the quality of medicines. 2. Apply the knowledge and skills gained through education to gain recognition in professional course and society. 3. Create awareness in society about the effective and safe use of medicines. 4. Act efficiently as a leader in the diverse areas of the profession to demonstrate the ability to plan and implement professional activities. 5. Provide a practical knowledge of the basic pharmaceutical sciences and the skill, acquire to deal with problems in pharmaceutical field 6. Develop ability for in-depth information and critical thinking in order to identify, formulate and solve the issues related to Pharmaceutical Industry, Regulatory Agencies, Hospital Pharmacy & clinical Pharmacy for better services to the community.

7. Identify the goals and regulations involved in the drug discovery and development, manufacture, distribution and sale of medicines and develop problem-based learning approach and analytical thinking in his/her academic and professional life.

8. Update the knowledge through continuous learning to face the challenges for better services to the community.

9. Design and develop process to perform experiments in various pharmaceutical areas like Pharmacognosy, Pharmaceutical Chemistry including Analytical Chemistry, Pharmaceutical Biotechnology, Pharmacology, Formulation and Development.

10. Fill the gap with other health care communities to provide innovative solutions for the purpose of maintain public health.

11. Develop team spirit for the development of student profession to the social needs and professional ethics.

12. Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).

M.Pharmacy

1. Produce Pharmacy graduates with strong basics and high technical knowledge to cater the various areas of Drug Development

2. Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society through the quality of drugs.

3. Apply the knowledge and skills gained through education to gain recognition in professional course and society.

4. Act efficiently as a leader in the diverse areas of the profession to demonstrate the

ability to plan and implement professional activities.

5. Develop ability for in-depth information and critical thinking in order to identify, formulate and solve the issues related to Pharmaceutical Industry, Regulatory Agencies, Hospital Pharmacy & clinical Pharmacy for better services to the community.

6. Identify the goals and regulations involved in the drug discovery and development, manufacture, distribution and sale of medicines and develop problem-based learning approach and analytical thinking in his/her academic and professional life.

7. Update the knowledge through continuous learning to face the challenges for better services to the community.

8. Design and develop process to perform experiments in various pharmaceutical areas like Pharmacognosy, Pharmaceutical Chemistry including Analytical Chemistry, Pharmaceutical Biotechnology, Pharmacology, Formulation and Development.

9. Fill the gap with other health care communities to provide innovative solutions for the purpose of maintain public health.

10. Develop team spirit for the development of student profession to the social needs and professional ethics.

11. Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).

12. Create a talent pool by involving students in research projects and to make students

	to undertake research projects under faculty guidance for publication.
Chemical Engineering	1. To integrate and apply concepts of mathematics, physics, chemistry and biology to real life situations. 2. To apply principles of conservation, thermodynamics, transport processes, reaction engineering and process control to analyze and design process equipment. 3. To develop mathematical models of chemical engineering systems. 4. To demonstrate computational abilities and use of software tools in design & simulation of process and equipment. 5. To apply techniques of optimization to improve the performance of chemical processes. 6. To analyze equipment and processes for retrofitting and debottle necking. 7. To conduct energy audit and suggest strategies for its conservation. 8. To incorporate effective measures for environmental protection and sustainability into chemical process design. 9. To participate in laboratory scale process development and scale up or scale down of processes. 10. To communicate effectively in both verbal and written forms. 11. To adapt to changing scenario and circumstances, with self confidence. 12. To succeed in competitive examinations like GATE, UPSC
Civil Engineering	1. To apply knowledge of mathematics, Science, Engineering fundamentals, and engineering specialization for the solution of complex engineering problems. 2. To identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics,

natural sciences, and engineering sciences.

3. To design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.

4. To use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

5. To create, select, and apply appropriate techniques, resources, and modernengineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.

6. To apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. To understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. To apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. To function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. To communicate effectively on complex engineering activities with the engineering

	community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. 11. To demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. 12. To recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
Computer Science and Engineering	1. An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline 2. An ability to analyze a problem, and identify and formulate the computing requirements appropriate to its solution. 3. An ability to design, implement, and evaluate a computer-based system, process, component, or 4. program to meet desired needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations. 5. An ability to design and conduct experiments, as well as to analyze and interpret data 6. An ability to use current techniques, skills, and modern tools necessary for computing practice. 7. An ability to analyze the local and global impact of computing on individuals, organizations, and society. 8. Knowledge of contemporary issues. 9. An understanding of professional, ethical, legal, security and social issues and responsibilities.

	10. An ability to function effectively, individually as well as in teams.
	11. An ability to communicate fluently with a variety of audiences.
	12. Recognition of the need for and an ability to engage in continuing professional development.
	13. An understanding of engineering and management principles and applying these as a member/leader in a team, in managing projects.
Electrical & Electronics Engineering	1. Graduates will have the ability to solve the problems related to their work by applying the knowledge of basic sciences, engineering mathematics, soft computing techniques, electrical and electronics engineering.
	2. Graduated students will be in a position to demonstrate his ability to identify and formulate problems.
	3. Graduates will be able to design electrical circuits, conduct experiments, analyze and interpret results.
	4. Graduates will have a talent to design and develop digital systems.
	5. Graduates can visualize and work in laboratories on multidisciplinary tasks.
	6. Graduates will be ready to use modern engineering tools and software to analyze problems.
	7. Graduates will have the knowledge of professional and ethical responsibilities.
	8. Graduates will be able to communicate effectively in both verbal and written form.
	9. Graduates will understand the impact of engineering solutions on the society being aware of contemporary issues as a member of a team.
	10. Graduates will develop confidence for continued self-learning.
	11. Graduates can participate and succeed in competitive examinations.
	12. Graduates can do project management with economic viability

Electronics and Communication Engineering	1. An ability to apply knowledge of mathematics, science, and engineering to solve engineering problems.
	2. Capability to design and conduct experiments, as well as to analyze and interpret data
	3. Identify, formulate, and solve engineering problems
	4. Solving different types of problems associated with multi-disciplinary areas
	5. Apply ethical principles and professional ethics and norms of engineering practice
	6. Equipped to design a engineering system, component, or process that meets the specific needs with proper eco system
	7. Disseminating knowledge effectively with engineering community and in general society.
	8. The broad knowledge provided to understand the impact of engineering solutions in a global, economic, environmental, and societal context
	9. A recognition of the need for, and an ability to engage in life-long learning
	10. A knowledge of contemporary issues
	11. An ability to select and use the appropriate advanced techniques, skills, and modern engineering tools necessary for engineering practice, with an understanding of limitations.
	12. Will be in a position to participate and become successful in competitive examinations like GATE, IES,GRE, CAT, Civil services etc.
	COMMUNICAYION SYSTEMS
	1. Ability to apply the knowledge of science, mathematics, and engineering principles for developing

attitude.

2. Ability to identify, formulate and solve engineering problems in the signal processing areas such as Developing robus and problem specific algorithms for acquisition, processing, analysis, synthesis of signals, to be applied in Signa Processing, Machine Vision and Communication Networks.

3. Ability to understand and use different software tools in the domain of signal processing. Analysis and Verification o algorithms, Functional and timing Simulation on platforms like MATLAB, code composer studio and assembly language.

4. Ability to design and conduct experiments, analyze and interpret data, imbibe programming skills for development o simulation experiments.

SIGNAL PROCESSING

1. Ability to apply the knowledge of science, mathematics, and engineering principles for developing problems solvin attitude.

2. Ability to identify, formulate and solve engineering problems in the signal processing areas such as Developing robus and problem specific algorithms for acquisition, processing, analysis, synthesis of signals, to be applied in Signa Processing, Machine Vision and Communication Networks.

3. Ability to understand and use different software tools in the domain of signal processing. Analysis and Verification o algorithms, Functional and timing Simulation on platforms like MATLAB, code composer studio and assembly

	language. 4. Ability to design and conduct experiments, analyze and interpret data, imbibe programming skills fo simulation experiments.
Mechanical Engineering	1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. 2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. 3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. 4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. 5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. 6. **The engineer and society**: Apply reasoning informed by the contextual knowledge

	to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

IASE (B.Ed)	1. Teaching competency: Know, select and use of learner-centered teaching methods, understanding of paradigm shift in conceptualizing disciplinary knowledge in school curriculum, necessary competencies for organizing learning experiences, select and use of appropriate assessment strategies for facilitating learning.
	2. Pedagogical skills: Applying teaching skills and dealing with classroom problems.
	3. Teaching through Nonconventional Modes: Evolving a system of education which enhances the potential of every learner to acquire, retain and transform knowledge leading to wisdom society through creative, experiential and joyful modes of learning.
	4. Integration of Artificial Intelligence in Education: Transform the educational landscape by providing open access to quality, value based and socially relevant education to all by harnessing the disruptive potential of AI.
	5. Critical Thinking: Analysis of Curriculum, construction of blue print, selecting appropriate teaching strategies according to needs of students and conducting action research to solve classroom problems.
	6. Effective Communication: Presenting seminar before peer students and teachers and practicing communication skills through various linguistic activities and applying it for better classroom communication.
	7. Sensitivity towards Inclusion: Identifying the diversities and dealing it in inclusive classrooms environment, guidance and counselling programmes for disabled students.
	8. Content Analysis: Analyses the text-books and syllabus.
	9. Effective Citizen Ethics: Understand different values, morality, and social service and accept responsibility for the society.

	10. Self-directed Learning: Preparing scripts for seminars, lesson plans and online content.
	11. Social Resilience: Understand about social entities and enable to tolerate absorb, cope up with adverse conditions of life.
	12. Physical Development: Practice yoga, self-defence, sports and scouting-guiding.
	13. Team Work: Enable to work as a member or leader in diverse teams and in multi-disciplinary setting by following the principles of collaborative learning, cooperative learning and team teaching.

The Director
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