S.V.K.P. & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE (A)
PENUGONDA – 534 320 W.G.Dist.

PROGRAMME SPECIFIC OUTCOMES

2019 - 2020

S. No.	Programme / Combination	Programme Specific Outcomes (PSOs)
1	B.A (HEP)	PSO1: Understand background of our religion, Customs institutions, Administration and so on. PSO2: Understand the present existing Social, Political, Religions and Economic conditions of the people. PSO3: To enable the students to understand basic concepts of economics. PSO4: To enable the students to analyze economics behavior. PSO5: Knowledge about Political system of the nation. PSO6: Study of national and international political affairs.
2	B.Com (General)	PSO1: Students will gain through subject skills within various disciplines of commerce, business, accounting, economics, banking, insurance finance and auditing. PSO2: Students will have a thorough learning and application of accounting standards in the context of contemporary corporate system and legislation. PSO3: The course focuses on in-depth knowledge of laws relating to consumers, employees, tax and companies. PSO4: Students will acquire the skills for analyzing and interpreting financial statements which will help them in taking financial decisions for organizations. PSO5: Learns will be able to recognize features ad roles of businessmen, entrepreneur, managers and consultants, who will help them to possess knowledge and other soft skills required for critical decision making. PSO6: Students will be able to pursue their career as Financial Analyst apart from different positions in the field of accounting, taxation, banking insurance and corporate law.
3	B.Com (Computer Applications)	PSO1: Students will gain through subject skills within various disciplines of commerce, business, accounting, economics, banking, insurance finance and auditing. PSO2: Students will have a thorough learning and application of accounting standards in the context of contemporary corporate system and legislation. PSO3: The course focuses on in-depth knowledge of laws relating to consumers, employees, tax and

		companies. PSO4: Students will acquire the skills for analyzing and interpreting financial statements which will help them in taking financial decisions for organizations. PSO5: Learns will be able to recognize features ad roles of businessmen, entrepreneur, managers and consultants, who will help them to possess knowledge and other soft skills required for critical decision making. PSO6: Students will be able to pursue their career as Financial Analyst apart from different positions in the field of accounting, taxation, banking insurance and corporate law.
4	B.Sc. M.P.C.	PSO1: Distinguish between linear, non linear, partial and ordinary differential equations. PSO2: Evaluate line, surface and volume integrates using Divergence, Green and Stokes theorems. PSO3: Educating students in the Core of Physics, including substantial practical and experimental physics, while enabling students in train in both the theoretical and practical aspects. PSO4: providing high quality education in Physics within an Environment Committed to excellence in teaching. PSO5: Acquire Technical Skills required for the synthesis and structural characterization of organic and inorganic compounds. PSO6: Obtain theoretical knowledge in various spectro analytical techniques with wide applications.
5	B.Sc. M.P.E.	PSO1: Distinguish between linear, non linear, partial and ordinary differential equations. PSO2: Evaluate line, surface and volume integrates using Divergence, Green and Stokes theorems. PSO3: Educating students in the Core of Physics, including substantial practical and experimental physics, while enabling students to train in both the theoretical and practical aspects, PSO4: Providing high quality education in Physics within an Environment Committed to excellence in teaching. PSO5: Acquire skills in areas related to their specialization are within the disciplinary / subject area of Electronics. PSO6: Recognize the importance of modeling simulation and computing and the role of approximation and mathematical approaches to describing the Electronic world.
6	B.Sc. M.E.Cs	PSO1: Distinguish between linear, non linear, partial and ordinary differential equations. PSO2: Evaluate line, surface and volume integrates

		using Divergence, Green and Stokes theorems. PSO3: Acquire skills in areas related to their specialization are within the disciplinary / subject area of Electronics. PSO4: Recognize the importance of modeling simulation and computing and the role of approximation and mathematical approaches to describing the Electronic world. PSO5: Students will be able to communicate in written and oral forms in such a way as to demonstrate their ability to present information clearly, logically and critically. PSO6: Students will be able to apply mathematical and computing theoretical concepts I solution of common computing application, such as computing the order of an algorithm.
7	B.Sc. M.P.Cs	PSO1: Distinguish between linear, non linear, partial and ordinary differential equations. PSO2: Evaluate line, surface and volume integrates using Divergence, Green and Stokes theorems. PSO3: Educating students in the Core of Physics, including substantial practical and experimental physics, while enabling students in train in both the theoretical and practical aspects. PSO4: providing high quality education in Physics within an Environment Committed to excellence in teaching. PSO5: Students will be able to communicate in written and oral forms in such a way as to demonstrate their ability to present information clearly, logically and critically. PSO6: Students will be able to apply mathematical and computing theoretical concepts I solution of common computing application, such as computing the order of an algorithm.
8	B.Sc. M.C.Cs	PSO1: Distinguish between linear, non linear, partial and ordinary differential equations. PSO2: Evaluate line, surface and volume integrates using Divergence, Green and Stokes theorems. PSO3: Acquire Technical Skills required for the synthesis and structural characterization of organic and inorganic compounds. PSO4: Obtain theoretical knowledge in various spectro analytical techniques with wide applications. PSO5: Students will be able to communicate in written and oral forms in such a way as to demonstrate their ability to present information clearly, logically and critically. PSO6: Students will be able to apply mathematical and computing theoretical concepts I solution of common

		computing application, such as computing the order of an algorithm.
9	B.Sc. B.Z.C	PSO1: Expose themselves to the diversity amongst life forms. PSO2: Make aware of natural resources and environment and the importance of conserving it. PSO3: Identify and list out common animals. PSO4: Explain various physiological changes in our bodies. PSO5: Acquire Technical Skills required for the synthesis and structural characterization of organic and inorganic compounds. PSO6: Obtain theoretical knowledge in various spectro analytical techniques with wide applications.
10	B.Sc. C.Z.BT	PSO1: Acquire Technical Skills required for the synthesis and structural characterization of organic and inorganic compounds. PSO2: Obtain theoretical knowledge in various spectro analytical techniques with wide applications. PSO3: Identify and list out common animals. PSO4: Explain various physiological changes in our bodies. PSO5: Biotechnology is a field of applied biology that involves the use of living organisms and bioprocesses in engineering, technology, medicine and other fields requiring by products. PSO6: Biotechnology being a multidisciplinary field is in great demand because of its various applications in the field of research and development.
11	B.Sc. MBBT	PSO1: In this programme the knowledge of Microbiology emphasizing distribution, morphology and physiology of microorganisms in addition to skills in aseptic procedures, isolation and identification. PSO2: The sophomore level material covering immunology, virology and epidemiology and DNA technology. PSO3: In this programme the knowledge of Biochemistry presents the chemical reactions and metabolic functions in the living system and their regulations. PSO4: The concept of Basic Structure and metabolism of Bio molecules. PSO5: Biotechnology is a field of applied biology that involves the use of living organisms and bioprocesses in engineering, technology, medicine and other fields requiring by products. PSO6: Biotechnology being a multidisciplinary field is in great demand because of its various applications in the field of research and development.

12	MCA	PSO1: Apply the knowledge of computer application to find solutions for real-life application. PSO2: Ability to analyze, design, develop and maintain the soft application with latest technologies PSO3: Utilize skills and knowledge for computing practice with commitment on social, ethical, cyber and legal values. PSO4: Includes employability and entrepreneur skills among students who can develop customized solutions for small to large Enterprises.
13	MBA	PSO1: Analyze the financial perform of an organization and apply various tools that aid in decision making. PSO2: To enable the students to apply the knowledge of Accounting Standards, Financial Analytical Tools and Costing Techniques etc. PSO3: To understand the basic concepts of marketing and marketing environment. PSO4: Develops knowledge about marketing mix concept in the organization. PSO5: To gain knowledge of various HR functions. PSO6: To understand and design of recruitment and selection process in the organization.
14	M.Sc. Organic Chemistry	PSO1: Students will be able to gain knowledge in new areas of research in both chemistry and allied fields of science and technology. They will get good opportunities in various research institutes like IICT ad industries like Dr. Reddy's , Hetero Drugs, Aurbindo, Laurus Labs ad Divi's etc. PSO2: After learning this course student is equipped with both theory and practical knowledge of Reaction mechanism, synthesis, estimations, isolation, purification, chromatography and spectroscopic techniques. PSO3: Students will gain knowledge to play a key role in our society as a basis for ethical behavior of safe handling of chemicals and maintaining environmental issues. PSO4: Students will gain sound knowledge on various theoretical concepts, quality control aspects and instrumentation techniques. Chemistry is only the subject to explain all events occurred in universe through micro level.
15	M.Sc. Botany	PSO1: Understand the nature and basic concepts of cell biology, Biochemistry, Taxonomy and ecology. PSO2: Analyze the relationships among animals, plants and microbes. PSO3: Perform procedures as per laboratory standards in the areas of Biochemistry, Bioinformatics, Taxonomy, Economic Botany and Ecology.

16	M.Sc. Zoology	PSO1: Biological & Chemical assay. Microscopy, Instrumentation: pH meter, Centrifugation, types of centrifuges, Chromatography; TLC, GC & HPLC. Principles, instrumentation and applications of UV, visible, infrared, NMR spectroscopy; Spectrofluorimetry and mass spectrometry. X-ray diffraction, Incorporation of radio-isotopes in Radio labeling techniques, media preparation, sterilization, inoculation growth monitoring microbial assays. PSO2: Importance and applications of biosystematics, Biological classification-Theories. Taxonomic keys types of taxonomy origin of basic biological molecules origin and diversification of eukaryotes, Universal common ancestor and tree of life, speciation, Concepts of evolution, Hardy Weinberg law. Phylogenetic gradualism. PSO3: Chemical foundations of biology, classification of amino acids, Proteins, Carbohydrates, Lipids, fatty acids and Nucleic acids PSO4: Experimental system in Cell Biology Biomembranes composition, Transport across membrane Cytoskeleton, Cell-Cell Signaling, Cell-Cell adhesion and communication, Cell cycle, Genome organization and Intracellular protein traffic. PSO5: Development of theoretical and Practical knowledge in Spectrophotometer, Centrifugation, Paper chromatography, Electrophoresis, pH Meter, Microscopy and tissue preparation for SEM & TEM procedure. PSO6: Understanding of Invertebrate and Vertebrate Phyla, types of Speciation-Models/Charts, Problems on Hardy-Weinberg law, Random genetic drift causing change in gene frequency- Practical demonstration and recent studies in Evolution-Examples.