S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE (A)

PENUGONDA - 534 320, W. G. Dt., A. P.

"Recognized by UGC as "College with Potential for Excellence"

Re-accredited by NAAC with 'A'

Website: https://svkpandksrajucollege.edu.in

PROGRAMME OUTCOMES

2022-2023

SVKP& Dr. K S RAJU ARTS & SCIENCE COLLEGE (A)

PENUGONDA, W. G. Dt-534 320

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DEPARTMENT OF ENGLISH

PROGRAMME OUTCOMES (POs): (2022—2023)

Programme : BA, B.Com, B. Sc.,

PO1 : Equip students with Knowledge of English as a world language.

PO2 : Developing Intellectual, Personal and Professional abilities through Effective Communicative English.

PO3 : English is the language of Arts, Science and Commerce. English increases students' chances of getting a good job in future.

PO4 : Students gain an understanding of relations between culture and history through the characters in various contexts.

PO5 : Students can gain knowledge to make themselves to fit for competitive exams.

PO6 : Students can gain good knowledge in English with Professional and Language Skills.

PO7 : Students will be able to write effectively for a variety of professional and social settings.

PO8 : By having good communicational skills and command over language one can be comes good speaker.

PO9 : Students will be able to develop Translation and Drafting skills.

PO10 : Students can get employability throughout the world.

S. V. K. P. Dr. K. S. Raju Arts & Science College (A), Penugonda

DEPARTMENT OF TELUGU

Program Outcomes
For the Academic Year 2022-23

PO 1: Expertise in the basic of knowledge in Telugu language and literature and to provide proficiency to the other subject students to go for higher education and also employment opportunities in research.

PO2: Developing intellectual, personal and professional abilities through effective communicative Telugu.

PO3: Telugu is the language of arts, science and Commerce. Telugu increases students chances of getting a good job in future.

PO4: Students can gain knowledge to make themselves to fit for competitive exams.

PO5: By having good communicational Skills and command over language, one can become a good speaker.

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DEPARTMENT OF HINDI

Programme: B.Com, B.Sc.,

Programme Outcomes (Pos):

PO1 : Hindi is the National Language of our country. This Language is the most spoken language in the whole of India.

PO2 : Developing Intellectual, Personal and Professional abilities through Effective Communicative Hindi.

PO3 : Hindi is prevalent in South-East Asia. Learning a new language has Many benefits in all aspects of life.

PO4 : Student gain an understanding of relations between culture and History through the characters in various contexts.

PO5 : Student can gain good knowledge in Hindi with Professional and Language Skills.

PO6 : Many Studies suggest that being bilingual helps improve Multitasking, improves your listening and hearing skills and also Makes your memory better

S. V. K. P. Dr. K. S. Raju Arts & Science College(A), Penugonda

DEPARTMENT OF MATHEMATICS

Mathematics Program Outcomes

For the Academic Year 2022-23

Demonstrate basic manipulative skills in algebra, geometry, trigonometry, and beginning calculus

Apply the underlying unifying structures of mathematics (i.e. sets, relations and functions, logical structure) and the relationships among them

Demonstrate proficiency in writing proofs

Communicate mathematical ideas both orally and in writing

Investigate and apply mathematical problems and solutions in a variety of contexts related to science, technology, business and industry, and illustrate these solutions using symbolic, numeric, or graphical methods

Investigate and solve unfamiliar math problems

S.V.K.P & Dr.K.S RAJU A & Sc COLLEGE (A), PENUGONDA
DEPARTMENT OF PHYSICS
2022-23

Programme : B. Sc.,

Programme Outcomes (Pos) :

Po1 : Graduating Student will have a good knowledge of basic science and mathematics.

Po2 : Graduating Student will be able to understand and analyse problems.

Po3 : Graduating student will be prepared with skills and knowledge for interdisciplinary research and inventions.

Po4 : Graduating student will apply their expertise in the development of technology for betterment of society.

Po5 : Graduating student will use their technical skills for environmental friendly, sustainable development activities.

Po6 : Graduating student will develop strong ethical and moral values for future building of nation.

Po7 : Graduating student will demonstrate excellent individual leadership and team work.

Po8 : Graduate student will be decorated with professional communicational and language skills.

Po9 : Graduate student will have the scientific outlook and lifelong learning attitude.

.V.K.P & Dr. K.S. RAJU ARTS SCIENCE COLLEGE (A), PENUGONDA

DEPARTMENT OF ELECTRONICS (U.G)

PROGRAMME OUTCOMES :

B.ScELECTRONICS

The overall aim and objectives of the B.Sc. Programme with Electronics are to:

- Provide students with learning experiences that develop broad knowledge andunderstanding of key concepts of electronic science and equip students with advancedscientific/technological capabilities for analyzing and tackling the issues and problems inthe field of electronics.

- Develop ability in students to apply knowledge and skills they have acquired to thesolution of specific theoretical and applied problems in electronics.

- Develop abilities in students to design and develop innovative solutions for benefits ofsociety, by diligence, leadership, team work and lifelong learning.

- Provide students with skills that enable them to get employment in industries or pursue higher studies or research assignments or turn as entrepreneurs.

S.V.K.P & Dr. K.S.RAJU ARTS & SCIENCE COLLEGE (Autonomous)
Accredited by NAAC with "A" Grade , Recognized by UGC as "College with Potential for Excellence(2016-21)"
& ISO Certified Institution (with 3 ISO Certificates)
(Affiliated to ADIKAVI NANNAYA UNIVERSITY - Recognized by Govt. of Andhra Pradesh)
PENUGONDA – 534320. W.G.DIST.A.P. INDIA
Phone No: 08819-246126 Email Id:svkp_penugonda@rediffmail.com Website : svkpandksrajucollege.edu.in

PROGRAMME OUTCOME FOR 2022-23

U.G DEPARTMENT OF CHEMISTRY
B.Sc., (Chemistry)

Programme Objectives:

- Bachelor of Science in Mathematics, Chemistry and Computer Science is a three-year degree programme which provides a strong foundation in Mathematics, Chemistry and Computers.
- Students can understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, computers and other disciplines to a wide variety of chemical problems.
- Students can opt for careers as Chemist in the reputed MNC companies and research laboratories.
- Students can develop the ability to communicate scientific information and research results in written and oral formats.
- Students can choose to pursue their Master's degree in Chemistry, Computer Science and Applications.

Programme Outcome:

The Programme enables the students,

PO1: Demonstrate, solve and an understanding of major concepts in all disciplines of chemistry.

PO2: Solve the problem and also think methodically, independently and draw a logical conclusion.

PO3: Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of chemical reactions.

PO4: Create an awareness of the impact of chemistry on the environment, society, and development outside the scientific community.

PO5: Find out the green route for chemical reaction for sustainable development.

PO6: To inculcate the scientific temperament in the students and outside the scientific community.

PO7: Use modern techniques, decent equipments and Chemistry software.

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DEPARTMENT OF COMPUTER SCIENCE

Bachelor of Science (Mathematics, Physics, Computer Science)

Program Objectives:

Bachelor of Science in Mathematics, Physics and Computer Science is a three-year degree program which provides a strong foundation in Mathematics, Physics and Programming. Students can opt for careers in the IT sector, particularly in Programming and Software Engineering. Students can choose to pursue their Master's degree in Computer Applications, Science or Management.

Program Outcomes:

After successful completion of three year degree program in Computer Science a student should be able to:

1. An ability to identify, formulate and develop solutions to computational challenges
2. An ability to design, implement and evaluate a computational system to meet desired needs within realistic constraints.
3. An ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.
4. An understanding of professional, ethical, legal, security, social issues and responsibilities for the computing profession.
5. An ability to communicate and engage effectively with diverse stakeholders.
6. An ability to analyze impacts of computing on individuals, organizations, and society
7. An ability to use appropriate techniques, skills, and tools necessary for computing practice
8. Effectively utilizing their knowledge of computing principles and mathematical theory todevelop sustainable solutions to current and future computing problems.
9. Developing and implementing solution based systems and/or processes that address issuesand/or improve existing systems within in a computing based industry.

S. V. K. P. & DR. K. S. RAJU ARTS & SCIENCE COLLEGE (A),

DEPARTTMENT OF ZOOLOGY (UG)

PROGRAMME OUTCOMES - 2022-2023

B.Sc

Bachelor of Science (BSc) offers theoretical as well as practical knowledge about different subject areas. These subject areas include Zoology, Botany , Biotechnology & Chemistry, and other fields depending on the specialisation a student opts.

This programme course is most beneficial for students who have a strong interest and background in Science. The course is also beneficial for students who wish to pursue multi and inter-disciplinary science careers in future.

Following are the various programme outcomes:

- This course forms the basis of science and comprises of the subjects like chemistry, Botany, zoology & Biotechnology , Master in Food technology and Processing .
- Students after this course have the option to join Indian Civil Services as IAS, IFS, Wildlife officers, Marine Biologist etc..
- Science graduates can go to serve in industries or may opt for establishing their own industrial unit.
- Professional field such as Poultry, Sericulture, apiculture, Pisciculture, dairy etc.,
- Understand the unity of life with the rich diversity of organisms and their ecological and evolutionary significance.

S. V. K. P. & DR. K. S. RAJU ARTS & SCIENCE COLLEGE (A),

DEPARTTMENT OF BOTANY (UG)

PROGRAMME OUTCOMES - 2022-2023

B.Sc

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- Professional field such as Poultry, Sericulture, apiculture, Pisciculture, Horticulture, Nursery dairy etc.,
- Understand the unity of life with the rich diversity of organisms and their ecological and evolutionary significance.

S.V.K.P & Dr K.S.RAJU ARTS & SCIENCE COLLEGE(A), PENUGONDA.

DEPARTMENT OF BIOTECHNOLOGY

PROGRAMME OUTCOME: B.Sc., 2022-2023

Bachelor of Science in Biotechnology is an undergraduate Biotechnology course.
PO1: 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.
PO2: Biotechnology being a multidisciplinary field is in great demand because of its various applications in the field of research and development.
PO3: The advantage of studying this degree course is that the candidate can further pursue higher studies in specialized fields of sciences i.e. Biotechnology, Microbiology, Biochemistry, Molecular Biology, and Genetics etc.

The objective of the department is to promote safe implication of technology by keeping in mind the ethical standards and to develop human resource to meet the growing demand for biotechnologists in the field of food, agriculture, aquaculture, medicine and environment management.

S.V.K.P & Dr K.S.RAJU ARTS & SCIENCE COLLEGE(A), PENUGONDA.

DEPARTMENT OF BIOCHEMISTRY

PROGRAMME SPECIFIC OUTCOME : B. Sc (MBBCBT)

The program Microbiology, Biochemistry & Biotechnology has been introduced to prepare the students for a career which finds application and provides solution to some of the major contemporary problems on the earth i.e., providing food for growing population, designing advanced medical treatment options for increasing –evolving diseases, to find solution to deteriorating environment caused due to over exploitation / misuse of natural resources etc.,

In this programme the knowledge of Microbiology emphasizing distribution, morphology and physiology of microorganisms in addition to skills in aseptic procedures, isolation and identification. This course also includes sophomore level material covering immunology, virology, epidemiology and DNA technology.

In this programme the knowledge of Biochemistry presents the chemical reactions and metabolic functions in the living system and their regulations. This course also include the concept of Basic Structure and metabolism of Bio molecules.

Finally the subject Biotechnology amalgamates the various disciplines of sciences and offers ethically acceptable knowledge to bring about sustainable solutions for a variety of problems related to Agriculture, Environment, Quality of human life. These problems are solved with responsibility using appropriate tools while keeping in mind safety factor of Environment and society

S.V.K.P & Dr K.S.RAJU ARTS & SCIENCE COLLEGE (A), PENUGONDA.

DEPARTMENT OF MICROBIOLOGY

PROGRAMME OUTCOME: B.Sc., 2022-2023

Bachelor of Science in Microbiology is an undergraduate Microbiology course.

PO1: Microbiology 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.

PO2: Microbiology being a multidisciplinary field is in great demand because of its various applications in the field of research and development.

PO3: The advantage of studying this degree course is that the candidate can further pursue higher studies in specialized fields of sciences i.e. Biotechnology, Microbiology, Biochemistry, Molecular Biology, and Genetics etc.

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S.V.K.P & Dr. KS. RAJU ARTS & SCIENCE COLLEGE (A) PENUGONDA

(NAAC Accredited "A" college with pontential for Excellence)

DEPARTMENT OF HISTORY (2021-2022)

B.A.Programme outcomes (Pos)

This college offers degree in Bachelor of Arts (B.A) with Economics, Political Science, History combination the students go through a well- defined study programme for their all-round development. Following the Successful Accomplishment of BA, students can look for jobs or go for higher education such as postgraduate degree in any of the areas where BA has been completed. Following are the major outcomes of this programme.

PO1; Students can go for a career option in various areas following successful accomplishment of their Bachelor of Arts degree. Employment opportunities include Historian, Economist, Educationist, Archaeologist, Political Scientist, philosopher, Social Activist, Personnel Manager, Sociologist, Philosopher, Public Relation Executive, Lawyer Journalist and so on.

PO 2; This course also offers opportunities to undergraduates in Banking jobs, SSC, Railway and even Civil services. They can appear for almost every exam where science is not the basic eligibility

PO 3; After completion of this course students can go for B.Ed, M.A, M.Ed, or PhD and choose teaching as career either in school or in university

PO 4; study of Humanities makes students socially aware. They know the problem of society. Thus many choose to work in NGOs and some open their own.

PO 5;students having degree in B.A. have edge in CAT exams as IIMs looking for diversity. Many arts students pursue their career in Management and Marketing.

D.V.V.N. PRASAD
HOD of History
S.V.K.P & Dr.K.S.Raju A & S College (A)
Penugonda, W.G.Dist., 534 320

S.V.K.P & Dr. K.S.RAJU ARTS & SCIENCE COLLEGE,(A) PENUGONDA

DEPATMENT OF POLITICS

Program Outcomes

For the Academic Year 2022-23

B.A.Programme outcomes (Pos)

This college offers degree in Bachelor of Arts (B.A) with Economics, Political Science, History combination the students go through a well- defined study programme for their all-round development. Following the Successful Accomplishment of BA, students can look for jobs or go for higher education such as postgraduate degree in any of the areas where BA has been completed. Following are the major outcomes of this programme.

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.V.K.P & Dr. K.S. RAJU ARTS SCIENCE COLLEGE (A), PENUGONDA
DEPARTMENT OF COMMERCE (U.G)

PROGRAM OUTCOMES

B.COM (GENERAL & COMPUTER APPLICATIONS)
For the Academic Year 2022-23

The Bachelor of Commerce (General) is an undergraduate degree designed to provide students with a wide range of managerial skills, while building competence in particular areas of business such as financial accounting, banking laws, corporate accounting and others. Students learn about basic theories, principles and processes involved in Commerce and Accounting. After completing this course, students can opt for M.Com. or MBA for their Master's degree, pursue CA/CFA/ICWA or move into executive roles in the corporate sector.

Program Outcomes (POs) for B COM:

PO 1: The course provides a platform for experimental learning and grooms students towards industry specific curriculum with focused approach on specific areas which are crucial in the management of companies.

PO 2: After completing three years for Bachelors in Commerce (B.Com) program, students would gain a thorough grounding in the fundamentals of Commerce and Finance.

PO 3: The course is focused on the all-round development of the students' personality through proper education and exposure to the vast treasure of knowledge.

PO 4: The course provides exposure to students in the latest trends in relevant branches of knowledge giving them the needed competence and creativity to face global challenges.

PO 5: Students have a plethora of choices to pursue professional courses such as CA, M.COM, MBA, CMA, ICWA, CS, CFA, etc.

PO 6: The students will be ready for employment in functional areas like accounting, taxation, banking, insurance and corporate law.

.V.K.P & Dr. K.S. RAJU ARTS SCIENCE COLLEGE (A), PENUGONDA
DEPARTMENT OF COMMERCE (U.G)

PROGRAM OUTCOMES

B.COM (GENERAL & COMPUTER APPLICATIONS)
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PO 6: The students will be ready for employment in functional areas like accounting, taxation, banking, insurance and corporate law.

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DEPARTMENT OF MCA

PROGRAMME OUTCOMES

PO1: Computational Knowledge: Apply the knowledge of computing fundamentals to various real life applications to any given requirement.

PO2 Problem Analysis: Identify, formulate and solve complex computing problems reaching substantiated conclusions.

PO3 Development of Solutions: Design and evaluate solutions for complex computing problems with appropriate consideration.

PO4 Investigations of complex Computing problems: Use research-based knowledge and research methods for analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 Modern Tool Usage: Create, identify and apply appropriate techniques, resources, and modern computing tools to complex computing activities.

PO6 Professional Ethics: Understand and commit to professional ethics and cyber regulations for professional computing practices.

PO7 Life-long Learning: Identify the need and have the ability, to engage in independent learning as a computing professional.

PO8 Project management and finance: Understand and apply computing, management principles to manage multidisciplinary projects.

PO9 Communication Efficiency: Communicate effectively with the computing community and with society.

PO10 Societal and Environmental Concern: Understand and assess societal, environmental, health, safety, legal, and cultural issues.

PO11 Individual and Team Work: Function effectively in diverse teams and in multidisciplinary environments.

PO12 Innovation and Entrepreneurship: Identify a timely opportunity and using innovation to pursue that opportunity.

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PENUGONDA-534320, W. G. Dist., A.P.

DEPARTMENT OF MANAGEMENT STUDIES

MBA PROGRAMME OUT COMES:

On successful completion of the programme:

1. Students will develop as effective management professionals to solve complex corporate problems.
2. To infuse analytical and critical thinking abilities among students.
3. To understand and analyse global, economic, legal and ethical aspects of business.
4. To develop entrepreneurial skills of the students.

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PENUGONDA – 534320, W. G. DIST., A.P.

M.Sc. ORGANIC CHEMISTRY – PROGRAMME OUTCOMES

The Programme enables the students,

- To understand the basic facts and major concepts in all disciplines of Chemistry.
- Global level Research opportunities to pursue Ph.D. programme and enormous job opportunities in various industries and also specific placements in R&D and synthetic divisions of industries.

S.V.K.P & Dr K.S.RAJU ARTS & COLLEGE (A) PENUGONDA

Program Outcomes :(M.Sc. Botany)

M.Sc. Botany Program Outcomes (P.O)

PO1.Critical Thinking:

Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

PO2.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.

PO3. Social Interaction.

Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO4. Ethics:

Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.

PO5 Environment and Sustainability

Understand the issues of environmental contexts and sustainable development.

PO6. Self-directed and Life-long Learning:

Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes Program Specific Outcomes.