

Programme Outcomes (Pos)

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE

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

Recognized by UGC as “College with Potential for Excellence”

Re-accredited by NAAC with ‘A’

DEPARTMENT OF ENGLISH

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

Programme Outcomes (Pos) :

- 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 become 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
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF TELUGU

Programme outcomes:-

PO1: Expertise in the basic 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 student's 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.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF HINDI

Programme Outcomes

PO: 1 National Language: Students gain Central Government jobs through opting Hindi as second Language. It enables them to settle in North India.

PO: 2 Relation between stories and society: The student gained knowledge about the relation between the socio cultural condition of a society and the short stories

PO: 3 Concept of various forms of prose : Students gained knowledge about the various forms of prose like Nibandh, stories.

PO:4 Communal Harmony: The writers like Premchand, Ramchandra Shukla made an effort to highlight the unity of Hindu Muslim people and about the selection of a good friend by depicting Mukthi Dhan, and Mitrata.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF MATHEMATICS

Mathematics Program Outcomes:

PO1 : Demonstrate basic manipulative skills in algebra, geometry, trigonometry, and beginning calculus

PO 2 : Apply the underlying unifying structures of mathematics (i.e. sets, relations and functions, logical structure) and the relationships among them

PO 3 : Demonstrate proficiency in writing proofs

PO 4 : Communicate mathematical ideas both orally and in writing

PO 5 : 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

PO 6 : Investigate and solve unfamiliar math problems

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF PHYSICS

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.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”

Re-accredited by NAAC with ‘A’
DEPARTMENT OF ELECTRONICS
PROGRAMME OUTCOMES

On successful completion of Graduate programme, graduating students/graduates will be able to:

PO 1 Domain Expertise:

- ❖ Acquire comprehensive knowledge and skills.

PO 2 Life-long Learning:

- ❖ Learn “how to learn”- Self motivated and self directed learning.

PO 3 Modern equipment Usage

- ❖ Use ICT effectively.

PO 4 Computing Skills and Ethics

- ❖ Develop rationale and scientific thinking process.

PO 5 Complex problem Investigation & Solving

- ❖ Predict and analyze problems.

PO 6 Perform effectively as Individuals and in Teams

- ❖ Work efficiently as an individual
- ❖ Cooperate, coordinate and perform effectively in diverse teams/groups.

PO 7 Efficient Communication & Life Skills

- ❖ Listen, understand and project views in a convincing manner

PO 8 Environmental Sustainability

- ❖ Understand sensibly the Environmental challenges.

PO 9 Societal contribution

- ❖ Render service for the general good of the society.

PO 10 Effective Project Management

- ❖ Identify the goals, objectives and components of a project and decide the appropriate time of completion.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF CHEMISTRY (U.G)

PROGRAMME OUTCOMES
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 Outcomes:

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.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”

Re-accredited by NAAC with ‘A’

DEPARTMENT OF COMPUTER SCIENCE

Bachelor of Science (Mathematics, Physics, Computer Science)

Programme Objectives:

- ❖ Bachelor of Science in Mathematics, Physics and Computer Science is a three-year degree programme 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

Programme Outcomes:

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

- PO1:** To develop problem solving abilities using a computer
- PO2:** To build the necessary skill set and analytical abilities for developing computer based Solutions for real life problems.
- PO3:** To imbibe quality software development practices.
- PO4:** To create awareness about process and product standards
- PO5:** To train students in professional skills related to Software Industry.
- PO6:** To prepare necessary knowledge base for research and development in Computer Science
- PO7:** To help students build-up a successful career in Computer Science

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF ZOOLOGY (UG)

PROGRAMME OUTCOMES

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:

- PO1: This course forms the basis of science and comprises of the subjects like chemistry, Botany, zoology & Biotechnology, Master in Food technology and Processing.
- PO2: Students after this course have the option to join Indian Civil Services as IAS, IFS, Wildlife officers, Marine Biologist etc..
- PO3: Science graduates can go to serve in industries or may opt for establishing their own industrial unit.
- PO4: 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
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’

DEPARTMENTS OF BIOTECHNOLOGY/ BIOCHEMISTRY/MICROBIOLOGY

BIOCHEMISTRY PROGRAMME OUTCOME:

PROGRAMME B. Sc:

- PO1: The students upon successful completion of course will have good understanding of Bio molecules (DNA /RNA/PROTEIN/LIPIDS).
- PO2: They would also have been exposed to latest advancements with regard to synthesis and turnover of these bio molecules .
- PO3: Students gain knowledge in the broad subject areas of biochemistry that will help them with their research.
- PO4: This course presents the study of micro organisms to make the student understood micro organisms and their participation in day to day activities.
- PO5: Biotechnology being is a multidisciplinary field in great demand because of its various applications in the field of research and development.
- PO6: The advantage of this studying 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.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF HISTORY

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:

PO 1. 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 problems 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.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF ECONOMICS

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:

PO 1: 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 problems 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.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”

Re-accredited by NAAC with ‘A’

DEPARTMENT OF POLITICS

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:

PO 1: 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 problems 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.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’

DEPARTMENT OF COMMERCE

B.COM (GENERAL)
PROGRAMME OUTCOMES

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.

PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”

Re-accredited by NAAC with ‘A’

DEPARTMENT OF COMMERCE

B.COM (COMPUTER APPLICATIONS)

PROGRAMME OUTCOMES

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.

PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”

Re-accredited by NAAC with ‘A’

DEPARTMENT OF MCA

PROGRAMME OUTCOMES

PROGRAMME OUTCOMES:

- PO1: An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline.
- PO2: An ability to analyze a problem, and Identify, formulate and solve complex computing problems reaching substantiated conclusions.
- PO3: An ability to design and conduct experiments, as well as to analyze and interpret data.
- PO4: Ability to analyze, design, develop and maintain the software application with latest technologies.
- PO5: An ability to use current techniques, skills, and modern tools necessary for computing practice.
- PO6: An ability to analyze the local and global impact of computing on individuals, organizations, and society.
- PO7: Create and design innovative methodologies to solve complex problems for the betterment of the society.
- PO8: An ability to function effectively individually and on teams, including diverse and multidisciplinary, to accomplish a common goal.
- PO9: Function effectively both as a team leader and team member on multi disciplinary projects to demonstrate computing and management skills.
- PO10: Communicate effectively with the computing community, and with society
- PO11: Communicate effectively and present technical information in oral and written reports
- PO12: Apply the inherent skills with absolute focus to function as an successful entrepreneur.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF MANAGEMENT STUDIES

MBA PROGRAMME OUT COMES:

On successful completion of the programme:

PO1: Students will develop as effective management professionals to solve complex corporate Problems.

PO2: To infuse analytical and critical thinking abilities among students.

PO3: To understand and analyse global, economic, legal and ethical aspects of business.

PO4: To develop entrepreneurial skills of the students.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’
DEPARTMENT OF M.Sc. ORGANIC CHEMISTRY

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 & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’

DEPARTMENT OF ZOOLOGY (P.G.)

M.Sc. Zoology Programme Outcome (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.

S.V.K.P & Dr. K.S. RAJU ARTS & SCIENCE COLLEGE
PENUGONDA - 534 320, W. G. Dt., A. P.
Recognized by UGC as “College with Potential for Excellence”
Re-accredited by NAAC with ‘A’

DEPARTMENT OF M.Sc. Botany (PG)

Programme Outcomes: M.Sc. Botany

M.Sc. Botany Programme 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.