

S.K.V.T. GOVERNMENT DEGREE COLLEGE



... In pursuit of equipping students with Employability & Globally Competent Skills

RAJAMAHENDRAVARAM



An outcome-based, NAAC-accredited, Green HEI & ISO Certified Institution

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India Pin No. 533103

Affiliated to

Adikavi Nannaya University

PROGRAMME OUTCOMES (POS)

BA HONOURS SPECIAL ENGLISH

After completion of the programme, students will be able to:

PO1: Demonstrate knowledge of English literature across historical periods and genres.

PO2: Analyze literary texts using critical and theoretical approaches.

PO3: Communicate effectively in written and spoken English.

PO4: Interpret literature within social, historical, and cultural contexts.

PO5: Apply basic research methods and academic writing skills.

PO6: Use digital tools and media platforms for academic learning.

PO7: Demonstrate awareness of social justice and community engagement.

PO8: Critically examine gender representation and promote equality.

PO9: Recognize environmental concerns reflected in literature.

PO10: Develop independent learning abilities.

BA HONOURS SPECIAL TELUGU

PO1: తెలుగు భాషలో చదవడం, రాయడం, మాట్లాడడం వంటి నైపుణ్యాలలో ప్రావీణ్యం సాధించడం.

PO2: సాంప్రదాయ మరియు ఆధునిక తెలుగు సాహిత్యం, కవిత్వం, గద్యరచనలను అవగాహన చేసుకోవడం.

PO3: సాహిత్య కృతులను విమర్శనాత్మకంగా విశ్లేషించడం మరియు వ్యాఖ్యానించడం.

PO4: సాహిత్యం ద్వారా తెలుగు సంస్కృతి, సంప్రదాయాలు మరియు వారసత్వాన్ని మెచ్చుకోవడం.

PO5: విద్యా మరియు వృత్తి సంబంధిత సందర్భాలలో తెలుగులో సమర్థవంతంగా సంభాషించడం.

PO6: వ్యాసాలు, కవిత్వం, కథలు వంటి సృజనాత్మక రచనా నైపుణ్యాలను అభివృద్ధి చేయడం.

PO7: ప్రాథమిక సాహిత్య పరిశోధన మరియు పాఠ్య విశ్లేషణ చేయగల సామర్థ్యాన్ని పెంపొందించడం.

PO8: తెలుగు మరియు ఇతర భాషల మధ్య అనువాద నైపుణ్యాలను అన్వయించడం.

PO9: సాహిత్యం ద్వారా నైతిక విలువలు మరియు సాంస్కృతిక అవగాహనను ప్రోత్సహించడం.

PO10: భాష, సాహిత్యం మరియు సాంస్కృతిక అధ్యయనాలపై స్థిరమైన ఆసక్తిని పెంపొందించడం.

BA HONOURS HISTORY

- PO1:** Understand major historical events, cultures, and civilizations across different periods.
- PO2:** Develop a clear sense of historical timelines and cause-effect relationships.
- PO3:** Analyze historical sources and interpretations critically.
- PO4:** Use primary and secondary sources for historical research and writing.
- PO5:** Appreciate cultural heritage and diversity across societies.
- PO6:** Use digital tools and media platforms for academic learning.
- PO7:** Demonstrate awareness of social justice and community engagement.
- PO8:** Critically examine gender representation and promote equality.
- PO9:** Recognize environmental concerns reflected in literature.
- PO10:** Develop independent learning abilities.

BA HONOURS ECONOMICS

- PO 1:** Learn basic concepts, principles and theories in economics
- PO 2:** Analyse issues in current economy at different levels
- PO 3:** Acquire employability and research skills in the field of economics
- PO 4:** Gain knowledge to understand the society around
- PO 5:** Learn soft and life skills for effective communication and personality development.
- PO6:** Use digital tools and media platforms for academic learning.
- PO7:** Demonstrate awareness of social justice and community engagement.
- PO8:** Critically examine gender representation and promote equality.
- PO9:** Recognize environmental concerns reflected in literature.
- PO10:** Develop independent learning abilities.

BA HONOURS POLITICAL SCIENCE

- PO1:** Understand political theories, institutions, public administration, and international relations.
- PO2:** Analyze political systems, policies, and governance critically.
- PO3:** Demonstrate knowledge of constitutional frameworks and democratic processes.
- PO4:** Address societal and political issues with logical reasoning.
- PO5:** Conduct basic research on political and social issues.
- PO6:** Use digital tools and media platforms for academic learning.
- PO7:** Demonstrate awareness of social justice and community engagement.
- PO8:** Critically examine gender representation and promote equality.

PO9: Recognize environmental concerns reflected in literature.

PO10: Develop independent learning abilities.

B. COM HONOURS GENERAL

PO1: Understand core concepts of accounting, finance, taxation, business law, and management.

PO2: Analyze financial statements and apply analytical tools for decision-making.

PO3: Identify business problems and provide practical and logical solutions.

PO4: Use accounting software and quantitative techniques in business operations.

PO5: Apply commerce knowledge in real-world business, banking, insurance, and entrepreneurship.

PO6: Conduct basic research and interpret business and economic data.

PO7: Communicate business information effectively in written and oral forms.

PO8: Understand ethical practices in business, finance, and corporate governance.

PO9: Work collaboratively and demonstrate leadership in organizational settings.

PO10: Adapt to changing business environments and pursue continuous professional development.

B. COM. HONOURS COMPUTER APPLICATIONS

PO1: Apply fundamental knowledge of accounting, finance, taxation, and business management.

PO2: Use computer applications, software tools, and information systems in business operations.

PO3: Analyze financial and business data to support decision-making.

PO4: Utilize modern digital tools, e-commerce platforms, and MIS systems effectively.

PO5: Demonstrate entrepreneurial abilities and develop business plans.

PO6: Communicate effectively in business environments using professional language.

PO7: Apply ethical principles in business practices and professional conduct.

PO8: Demonstrate awareness of social issues and contribute to community development.

PO9: Promote equality, diversity, and inclusive practices in workplace and society.

PO10: Understand sustainable business practices and environmental responsibility.

B. Sc. HONOURS MATHEMATICS

PO1: Apply fundamental and advanced concepts of mathematics including algebra, calculus, differential equations, real analysis, and discrete mathematics to solve problems.

PO2: Analyze complex mathematical problems, identify appropriate methods, and develop logical and efficient solutions.

PO3: Develop the ability to think critically, reason logically, and construct rigorous mathematical proofs.

PO4: Use mathematical software, numerical methods, and computational tools to solve mathematical and real-world problems.

PO5: Formulate mathematical models for real-life problems in science, engineering, economics, and social sciences.

PO6: Use digital tools and media platforms for academic learning.

PO7: Demonstrate awareness of social justice and community engagement.

PO8: Critically examine gender representation and promote equality.

PO9: Recognize environmental concerns reflected in literature.

PO10: Develop independent learning abilities.

B. Sc. HONOURS PHYSICS

PO1: Students will acquire strong knowledge of core areas of physics such as mechanics, electromagnetism, thermodynamics, optics, and quantum physics.

PO2: Students will develop the ability to apply physical laws and mathematical techniques to analyse and solve scientific problems.

PO3: Students will gain hands-on experience in designing experiments, using scientific instruments, collecting data, and interpreting results.

PO4: Students will develop logical thinking and analytical skills required to evaluate physical phenomena and scientific theories.

PO5: Students will learn to use mathematics as a tool to model physical systems and solve quantitative problems.

PO6: Students will develop an understanding of basic research methodology and the ability to conduct small-scale scientific investigations.

PO7: Graduates will be prepared for careers in research, teaching, technology industries, or for higher studies such as M.Sc. in Physics, engineering, or interdisciplinary sciences

B. Sc. HONOURS CHEMISTRY

PO1: To acquire the Importance of chemistry for human being survival.

PO2: To understand the environment functions and how it is affected by human beings.

PO3: Gain of knowledge on chemistry by theory and by hands on practice.

PO4: Identification of Chemical Formulas and solve numerical problems in it.

- PO5:** Understanding of Laboratory Safety rules and How to Handle the Laboratory tools.
- PO6:** Handling of Instruments like pH meter, Conductometer, Potentiometer and Analytical Balance etc.
- PO7:** Use digital tools and media platforms for academic learning.
- PO8:** Critically examine gender representation and promote equality.
- PO9:** Recognize environmental concerns reflected in research work.
- PO10:** Develop independent learning abilities.

B. Sc. COMPUTER SCIENCE

- PO1:** 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.
- PO2:** Students will be able to apply mathematical and computing theoretical concepts in solution of common computing applications, such as computing the order of an algorithm.
- PO3:** Students will be able to complete successfully be able to program small-to-mid- size programs on their own. Sufficient programming skills will require use of good practice, e.g., good variable names, good use of computational units, appropriate commenting strategies.
- PO4:** Students will be able to use appropriately system design notations and apply system design engineering process in order to design, plan, and implement software systems
- PO5:** In a self-selected area of depth in Computing, students will demonstrate a depth of knowledge appropriate to graduate study and/or lifelong learning in that area. Students should be able to read for understanding materials in that area beyond those assigned in coursework.
- PO6:** Students will be prepared for a career in an information technology oriented business or industry, or for graduate study in computer science or other scientific or technical fields.
- PO7:** Use systems development, word-processing, spreadsheet, and presentation software to solve basic information systems problems
- PO8:** Critically examine gender representation and promote equality.
- PO9:** Recognize environmental concerns reflected in research work.
- PO10:** Develop independent learning abilities.

B. Sc HONOURS STATISTICS

- PO1:** Students learn to apply theory learned so far up to the 12th standard since Statistics is applied subject.
- PO2:** Students get knowledge of basic concepts required for higher studies.

- PO3:** Students starts thinking more scientifically and analytically.
- PO4:** Use digital tools and media platforms for academic learning.
- PO5:** Demonstrate awareness of social justice and community engagement.
- PO6:** Critically examine gender representation and promote equality.
- PO7:** Recognize environmental concerns reflected in literature.
- PO8:** Develop independent learning abilities.

B. Sc. HONOURS BOTANY

- PO1:** Understand fundamental and advanced concepts in plant biology including taxonomy, physiology, ecology, genetics, and biotechnology.
- PO2:** Identify and classify plants using morphological, anatomical, and molecular characteristics.
- PO3:** Analyze plant-related problems and interpret scientific data critically.
- PO4:** Perform laboratory experiments and fieldwork techniques such as plant collection, preservation, and herbarium preparation.
- PO5:** Understand plant diversity and its role in ecosystem sustainability and conservation.
- PO6:** Use digital tools and media platforms for academic learning.
- PO7:** Demonstrate awareness of social justice and community engagement.
- PO8:** Critically examine gender representation and promote equality.
- PO9:** Recognize environmental concerns reflected in literature.
- PO10:** Develop independent learning abilities.

B. Sc. HONOURS ZOOLOGY

- PO1:** Understand fundamental and advanced concepts in zoology including animal diversity, physiology, genetics, evolution, and ecology.
- PO2:** Identify and classify animals based on morphological, anatomical, and evolutionary relationships.
- PO3:** Analyze biological problems related to animals and interpret experimental data scientifically.
- PO4:** Perform laboratory techniques, dissections, and field studies related to animal biology.
- PO5:** Understand animal interactions within ecosystems and their role in maintaining ecological balance.
- PO6:** Apply zoological knowledge in areas like wildlife conservation, fisheries, agriculture, and public health.

PO7: Develop skills in scientific research, including observation, experimentation, and data analysis.

PO8: Communicate biological concepts effectively in written and oral formats.

PO9: Recognize ethical concerns related to animal welfare, conservation, and biodiversity.

PO10: Stay updated with advancements in biological sciences and pursue professional growth.

B. Sc. HONOURS BIOTECHNOLOGY

PO1: Apply knowledge of biology, genetics, microbiology, and biochemistry.

PO2: Demonstrate practical skills in laboratory techniques and experimentation.

PO3: Analyze biological data and conduct scientific research.

PO4: Apply biotechnological techniques in agriculture, medicine, and industry.

PO5: Develop solutions to biological and environmental problems.

PO6: Communicate scientific information effectively in written and oral forms.

PO7: Understand ethical issues related to biotechnology such as genetic engineering and bioethics.

PO8: Apply biotechnology for societal welfare including healthcare and food security.

PO9: Promote equal participation and ethical practices in scientific research and workplaces.

PO10: Apply biotechnology for environmental protection, conservation, and sustainable development.

B. Sc. HONOURS ARTIFICIAL INTELLIGENCE

PO1: Apply fundamental concepts of artificial intelligence, machine learning, and data science.

PO2: Develop and implement algorithms using programming languages such as Python.

PO3: Design AI-based solutions for real-world problems.

PO4: Analyze and interpret large datasets using AI techniques.

PO5: Adapt to emerging technologies such as deep learning, NLP, and robotics.

PO6: Apply research methodologies in AI and computational fields.

PO7: Understand ethical implications of AI including bias, privacy, and accountability.

PO8: Apply AI solutions for societal benefit such as healthcare, education, and governance.

PO9: Promote inclusive and unbiased AI systems ensuring fairness across diverse groups.

PO10: Develop AI solutions that support sustainability and reduce environmental impact.