



**SRI UMAMAHESHWARI  
GOVERNMENT DEGREE COLLEGE**

**POs, PSO and COs**

**KONDANAGULA: NAGARKURNOOL DIST.,  
TELANGANA**

**Programme outcomes, Programme specific outcomes and Course outcomes for all Programme offered in 2016-17 by the SUM Government Degree College, Kondanagula are stated and displayed on website and communicated to teachers and students.**

- **Program Outcomes (POs):** It represent the knowledge, skills and attitudes. The students should have at the end of a course completion of their respective program.
- **Course Outcomes (COs):** It gives the resultant knowledge and skills the student acquires at the end of each course. It defines the cognitive processes a course provides.
- **Program Specific Outcomes (PSOs ):** These are statements that defines outcomes of a *program* which make students realize the fact that the knowledge and techniques learnt in this course has direct implication for the betterment of society and its sustainability.

**Response:**

The college has clearly stated learning outcomes of the Programs and Courses. The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students.

- Hard Copy of syllabi and Learning Outcomes are available in the departments for ready reference to the teachers and students.
- The importance of the learning outcomes has been communicated to the teachers in every IQAC meeting and College Committee meeting.
- The students are also made aware of the same through Tutorial meetings
- Workshops have also been conducted for developing the Programme Educational Objectives and Learning outcomes at college level.

**S.U.M.GOVERNMENT DEGREE COLLEGE KONDANAGULA**

S. No.	Programme	Programme Outcomes	Programme Specific Outcomes
1.	<p>1. B.A. (EHP) Economics History Political Science</p> <p>2. B.A. (EHP) Economics Political Science Public Administration</p>	<p>Outcome of the Programme is to give Students for multi Disciplinary approach that helps them build their social Analytical Skills and in Pursuing Multi Tasking Courses and Professions there are all ex outcomes of the programme.pected</p>	<p>1. This course has high potential which enables a student to mold according to the career path / higher studies options at Indian Council for Historical Research, New Delhi, India / National Archives//Good Governance/Centre for Gender Studies and Development</p>

**Programme Outcomes. Programme Specific Outcomes**

S.No	Programme	Programme Outcomes	Programme Specific Outcomes
1.	<p><b>B.Sc. (MPCs.)</b> Mathematics Physics Computer Science</p>	<p>1. Possess a sound understanding of the theoretical foundations of various core subjects.</p> <p>2. Acquire analytical and logical thinking skills necessary to pursue higher education.</p> <p>3. Gain employment at entry level positions based on program curriculum.</p>	<p>Master a broad set of knowledge concerning the fundamentals in the basic areas of Physics and Mathematics added with the necessary hands-on experience in various practical aspects of problem solving/programming/ experimentation. The program imparts students with an understanding of the basics of Computer Science, to develop proficiency in the practice of computing, and to prepare them for continued professional development.</p>
2.	<p><b>B.Sc. (MPC)</b> Mathematics Physics Chemistry</p>		<p>The combination integrating all Basic Science courses lays a strong foundation and prepares the learner for Post Graduation research in respective disciplines.</p>

**Programme Outcomes, Programme Specific Outcomes**

S.No	Programme	Programme Outcomes	Programme Specific Outcomes
1.	<b>B.Sc. (BZC)</b> Botany Zoology Chemistry	Expertise in the basic sciences provides the students with opportunities to go for Higher Education and also employment opportunities in industries, diagnostics, quality control and research.	Master fundamental skills to function effectively as professionals and continue learning within the field of Biology Provides an understanding of an exploration of how animals have evolved, how they function, and the ways in which they interact with their environment. An awareness of the impact of chemistry on the environment, society, appraise role of green chemistry in environment sustainability.

**Programme Outcomes, Programme Specific Outcomes**

S.No	Programme	Programme Outcomes	Programme Specific Outcomes
1.	<b>B.com (General)</b>	PO1: To build a strong foundation in different areas of Commerce. PO2: To develop the skill of applying concepts and techniques used in Commerce. PO3: To develop an attitude for working effectively and efficiently in a business environment. PO4: To integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students. PO5: To develop students entrepreneur skills. PO6: To enable a student to be capable of making decisions at personal and professional	Understand application of knowledge of commerce in business service sector, industry, marketing, finance, entrepreneurship development etc. Develop communication skills and computer awareness and practical application of income tax..

## Programme Outcomes, Programme Specific Outcomes

S.No	Programme	Programme Outcomes	Programme Specific Outcomes
1.	<b>B.com (Computer Application)</b>	PO1: To provide an in-depth knowledge in Commerce and Computer Application courses. PO2: To provide a strong foundation for higher education. PO3: To train the students in the application of computers in various business operations. PO4: To nurture the students with the intellectual, personal and societal skills for a holistic education. PO5: To inculcate initiative in students for better industry acceptance with necessary skills.	Become ethically and socially responsible commerce graduates with computer application knowledge. Students are able to play roles of businesswomen, entrepreneurs, managers• and consultants which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making

### Department of English Programme Outcomes

- Developing intellectual, personal and professional abilities through effective communicative skills; ensuring high standard of behavioral attitude through literary subjects and shaping the students socially responsible citizens.

- On successful completion of the programme, the students are introduced to communicative skills, to define, classify and understand the methods of communication, to improve their LSRW skills, to enable them to practice those skills in their daily life.

#### **Programme Specific Outcomes**

- On successful completion of the programme, the students will be accurate both in oral and written communication as they will be strong in Grammar and its usage.
- The students can express a thorough command of English and its linguistic structures.
- The students will be familiar with the textual genres including fiction, non-fiction, poetry, autobiography, biography, journal, plays, editorials etc.

#### **Course Outcomes**

- On successful completion of the programme, the students are introduced to communicative skills, to define, classify and understand the methods of communication, to improve their LSRW skills, to enable them to practice those skills in their daily life.
- To gain knowledge on fundamental principles of English grammar including parts of speech, sentence types (simple/compound/complex sentences), subject-verb agreement, pronoun usage, punctuation etc.
- To learn the literary, societal, cultural and historical background of the greatest English writings penned by Indian Authors
- To familiarize students with the literary texts of ancient and modern literature written by great writers of English.
- To obtain adequate information on colonization and post-war consequences through the literary, cultural biographical and historical background of the greatest writings in Commonwealth literature.

### **Department of Commerce**

#### **Programme Outcome**

- This programme provide well trained professionals for Industries, Insurance Companies, Transport Agencies, Banking sectors, Financial companies, Warehousing etc. to meet the well trained manpower requirements.

- The graduates will get hands on experience in various aspects acquiring skills for Marketing Manager, Selling Manager, over all Administration abilities of the company.
- It provides students with the knowledge and technical skills in the accounting and financial fields.

### **Programme Specific Outcome**

- The students should possess the knowledge, skills and attitudes during the end of the B.com degree course.
- By virtue of the training they can become an Manager, Accountant, Management Accountant, Bank Manager, Company Secretary, Professor etc.

### **Course Outcomes**

- The student should have a thorough knowledge on the accounting practice prevailing in partnership forms and other allied aspects.
- On the successful completion of this subject the students acquires the knowledge about the various types of business organizations and office management.
- To enable the students to learn principles and concepts of Accountancy.
- The students are enabled with the knowledge in the practical applications of accounting.
- The students should be well versed in the fundamental concepts of auditing, entrepreneur, knowledge in the finance institution, project report incentives and subsidies.
- This course aims to provide an in-depth knowledge on the provisions of Income Tax and to familiarize with recent amendments in Income-Tax.
- To keep the students conversant with the ever-enlarging frontiers of Cost Accounting knowledge.
- The student should be able to work efficiently in MS-PowerPoint and Tally.
- This course enables the students with the knowledge about the Capital budgeting , Working capital, cash management and financial management techniques.
- The student acquires the knowledge in the Management Accounting Techniques in business decision making.
- To understand the nature of human resources and its significance to the organization.

### **Department of Physics Programme Outcome**

- Physics is a branch of science that studies matter and its motion through space and time, along with related concepts such as energy and force. Physics is one of the fundamental sciences because the other natural science deal with systems that seems to obey the law of Physics. According to Physics, the physical laws of matter, energy and the fundamental forces of nature govern the interactions between particles and physical entities (such as plants, molecules, atoms or the subatomic particles).
- Physics deals with a wide variety of systems, certain theories are used by all physicists. Each of these theories were experimentally tested numerous times and found to be an adequate approximation of nature.
- Physics uses mathematics to organize and formulate experimental results and from which new predictions can be made.
- The results from physics experiments are numerical measurements. Technologies based on mathematics, made computational physics as active area of research.

### **Programme Specific Outcome**

- The theory of classical mechanics accurately describes the motion of objects, provided they are much larger than atoms and moving at much less than the speed of light.
- To provide the detail study of atom and the behavior of atom in various states.

### **Course Outcomes**

- The students will demonstrate a scientific knowledge of the core physics principles in Mechanics, Electromagnetism, Modern Physics and Optics
- The student will determine the appropriate level of technology for use in experimental design and implementation, analysis of experimental data and numerical and mathematical methods in problem solutions
- The students will demonstrate a purposeful knowledge of scientific literature and ethical issues related to physics
- The students will effectively communicate their knowledge of physics from basic concepts to specific detailed presentations through a variety of oral, written and computational modalities
- To acquire the basic knowledge of mechanics, properties of matter and gravitation
- Learn motion of bodies and sound waves
- To inspire interest for the knowledge of concepts in physical and geometrical physics.

### **Department of Chemistry Programme Outcome**

- Students will demonstrate an understanding of major concepts in all disciplines of chemistry
- Students will employ critical thinking and the scientific method to design, carryout, record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the environment, society and cultures outside the specific community.

### **Programme Specific Outcome**

- The ability to explain chemical nomenclature, structure, reactivity and function in their specific field of chemistry.
- The design and execution of the experiment should demonstrate an understanding of good laboratory and the proper handling of chemical waste streams and also explain how the applications of Chemistry relates to the real world.

### **Course Outcomes**

- Students will gain an understanding of methods of analysis related to chemical analysis goals such as detection of elements.
- Enable the students to get understand the laws of thermodynamics and the Computer C Programming.
- After completing this course, students must have a basic knowledge of textile chemistry for an understanding of the chemical structure and properties of textile fibers and the properties of textile percipients and dyes.
- To understand the principles of radio activity
- To study the magnetic properties of molecules, chemical kinetics and photo chemistry.
- To enable the students to learn about classification of polymers- methods of preparation of polymers, different types of polymerization, molecular weight of polymers.

- Students to learn about electro chemistry.

### **Department of Botany**

#### **Programme Outcome**

To inculcate in students the scientific study of plants which in learn is used in many aspects of human life. Plants being necessary for supporting all life forms on earth, either directly or indirectly. Its study helps in better understanding of our selves at the cellular and genetic level.

#### **Course Outcomes**

- Students will be able to define and explain major concept in the biological sciences.
- It will helps the student to use biological instruments in proper and correct way .
- It will enable the students to explain and apply the scientific method including designing and conducting experiments and testing hypotheses.
- Students will be able to communicate biological knowledge in oral and written for.

### **Department of**

### **Zoology Programme**

#### **Outcome**

To understand the nature and basic concepts of Zoology. To understand the analysis of relationship among animals, plants, microbes and environment. It provides insight into how “Life” works and consequently, how we work. The concept of students is cleared in the laboratory of Bio- Science.

#### **Course Outcomes**

- Students will be able to demonstrate the ability to read, understand and critically review scientific information
- Students will be able to demonstrate ethical conduct in scientific activitie.
- Students will be able to recognize the relationship between structure and function at all levels: molecular, cellular and organism.

### **Department of Mathematics**

#### **Course Outcomes**

- Demonstrate basic manipulative skills in algebra, geometry, trigonometry and beginning calculus.
- Apply the underlying unifying structures of mathematics and the relationships among them.
- Demonstrate proficiency in writing proofs.
- Investigate and apply mathematics 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.
- Students can understand the foundation of Mathematics.
- They are able to perform basic computation in higher Mathematics.
- Students are able to develop problem solving skills
- They are able to communicate Mathematical ideas with others.
- They can enhance the quality of analysis and research in different mathematical fields. Operations research can develop the management quality in different industries and factories.

### **Department of Economics**

#### **Programme Outcome**

- A degree in economics provides you with a solid foundation for a carrier in business, government or with the nonprofit organization. In this programme you will study how societies, governments, households and individuals create, use, manage and distribute resources.



## **Course Outcomes**

- Understand the behavior of Indian and world economy.
- To develop the financial literacy for profitable investment.
- To make students aware of the issues of inflation, unemployment, poverty, GDP and Balance of payment.
- It develop the skill to make better decisions in business environment and even in your personal choices.
- To impart the knowledge of Banking, Marketing and different sections of economy so that students will get job opportunities in different economic, financial, banking, marketing and other sections of economy.
- Economists are vital in helping, predict and study responses to changes in policy and market changes, which is an important skill in today's changing business environment.
- Economists also study and help in developing public policies like health care and educational reforms.

## **Department of History**

### **Programme Outcome**

- The Bachelor of Arts in History is a broad- based programme that has specific goals, including : engaging the mind and imagination of those who study history ; introducing students to worlds, times, places and cultures including their own in a way that they have never thought before.

### **Course Outcomes**

- To create interest towards the cultural and historical background of India.
- To understand the various historical incidents and to help students for preparing competitive examination.
- To help the students to identify and evaluate conflicting interpretations.
- It inspire the students through bravery and courage of our forefather.
- It inculcates critical thinking, reading, writing and research skills among students.

## **Department of Political Science**

### **Course Outcomes**

- It understands inspires political philosophy, ideologies and the nature of Indian Constitution.
- Comparative study of international politics and role of women in politics.
- It understand the students different types of Government and their policies.
- It helps the students to understanding responsibilities and rights of the citizens of a country.
- It helps the students what is happening in the countries around the world, issues the people are facing or new laws are being implemented.
- It understand the structure and working of the state, the separation of power, the judicial and legal system, scheme of welfare and social services.

### **Course Outcomes**

It develop the skills including critical thinking, problem solving, reasoning, analysis, interpretations and synthesizing information's and communication literacy, media and internet literacy, data interpretation and analysis and computer programming.

It imparts the knowledge about different places on earth and how they relate with eachother.

It help the students to identify and appreciate important events and National and International policies; make better and informed decisions regarding the best use of National resources.

It help the students to know about the relationship between human being and the environment and the general process of natural resources.

It enable the students to understand how population growth and technological advances

affect the environment.

It help the students to gain the understanding of International matters and multicultural concerns, read maps, interpret local and global information and understand International networks for trade.

### **Department of Telugu**

#### **Programme Outcome:**

Telugu is offered as another language for all the Undergraduate Programmes. Four courses are offered, one for each semester in two years out of three years.

#### **Programme specific Outcome:**

The word Sahithyam (Literature) is defined by ancient scholars as “Sahithasyabhaavahsahithyam”, which means ‘that which is beneficial is Sahithyam’. Purpose of sahithya is the well-being of the whole mankind. Literature teaches us how to live. It tells us “Ramadivathvarthithavyam. Na tuRavaNadivath”. That means, one should live like Rama with righteous conduct and not like Ravana who was in the clutches of six internal enemies. Literature is the best medium to impart moral, ethical and social values to its readers. Literature reflects contemporary society. The reader gets aware of his/her surroundings to adapt to it and

prosper. There is possibility to revolutionize the society by establishing Dharma and uprooting Adharma through literature. An education expert William Delaney says “The study of literature has civilizing effect on people. There is an extreme danger of education being used primarily to turn out engineers, lawyers, doctors, accountants, business men and business women and other professionals who are lacking in human feelings and who have been described as educated barbarians” without literature.

At the end of his/her studies a student of literature is inspired to live like a true human being with righteous conduct.

#### **Course Outcomes:**

Telugu language is one of the ancient languages and even today is spoken by 75 million people around the world. According to a recent survey by Center for Immigration Studies, the most widely spoken foreign language in United States is Telugu next only to Hindi in India. It is an official language in Andhra Pradesh, Telangana states and Yanam district, which is one of the union territories of Puducherry.

Compositions in Telugu language started from the eleventh century. In praise of Telugu language Appayya Dikshitar, who was a native of Tamil Nadu has quoted thus, “Andhrathvamandhrabhaashaa chanaalpasyatapsahaphalam” this means, taking birth in Andhra and speaking Telugu language are the results of great penance. Rich literary wealth is present in Telugu language. Even British rulers extended their help in preserving the literary wealth of Telugu language. It is the responsibility of Telugu speaking people to protect and hand it over safely to the posterity.

In this Institute students come from all Telugu speaking states. They are admitted for various programs. Telugu is offered as second language at Undergraduate level, in the first two years (i.e. four semesters). Great care is taken in the selection of units for different semesters.

Literary pieces, which have moral values and literary significance, are selected from classical, medieval and modern literary works. This includes the poems and discourses of Bhagavan Sri Sathya Sai Baba varu also, who taught human values to the humanity in the present.

PRINCIPAL  
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