



## Department of Chemistry

### Programme Outcomes

PO1 has knowledge about the fundamentals and applications of chemical and scientific theories

PO2 All branches of Science & Technologies are related to Chemistry Subject.

PO3 Have the practical knowledge about the qualitative and quantitative analysis of chemicals. This knowledge can be applied in Laboratories and Industries.

PO4 Improves problem solving skills, analytical skills requiring applications of chemistry principles.

PO5 becomes familiar with the different branches of Chemistry like Inorganic, Organic and Physical etc.

PO6 Understand the causes and controlling methods of environmental pollution.

PO7 Gain the knowledge to Synthesize, Separate and Characterize compounds in the laboratory

PO8 Acquire the knowledge about instrumentation techniques.

### Programme Specific Outcomes

PSO-1. Acquire the knowledge of Chemistry through theory and practicals.

PSO-2. Understand the nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.

PSO-3. Solve the problems in chemistry by understanding concepts.

PSO-4. Use Models, Charts and Equipments.

PSO-5. Know structure-activity relationship.

PSO-6. Understand the laboratory practices and safety measures.

PSO-7. Improve research knowledge and oriented skills.

PSO-8. Make aware and handle the sophisticated instruments/equipments.

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Faculty of Commerce

**Program Outcomes and Program Specific Outcomes of B.Com program**

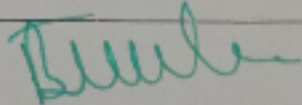
Po1: To impart the knowledge of accounting procedure and preparation final accounts of various forms business organizations.

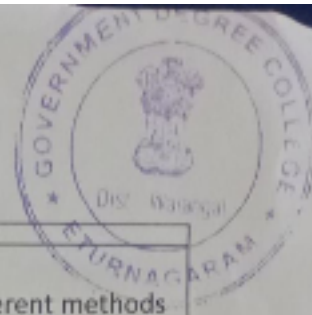
PO2: To acquire basic conceptual knowledge on various forms of business organizations.

PO3: To acquaint the students with the concepts of Indian financial system and financial services.

PO4: To equip the students with the knowledge on various laws applicable to business in India.

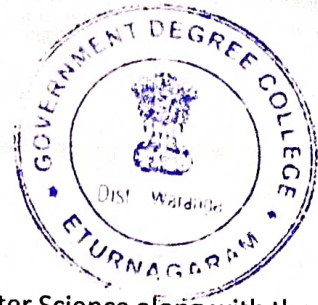
Course	Course outcomes
Financial Accounting-I	To acquire conceptual knowledge of basics of accounting and preparation of final accounts of sole traders.
Business Organization & Management	To acquaint the students with the basics of commerce and business concepts and functions, forms of business organizations and functions of management
Financial Accounting - II	To impart the skills of preparation of final accounts of non-trading concern, partnership and non-profit organizations.
Business Statistics-I	To inculcate analytical and computational ability among the students.
Advanced Accounting	To enable the students to prepare financial statements of insurance and banking companies.
Income Tax-I	To equip the students with the working knowledge of both direct and indirect taxes. To acquire conceptual and legal knowledge about income tax provisions relating to computation of income from different heads with reference to the individual assessee.
Corporate Accounting	To develop the skills of recording the transactions relating to issue of shares and debentures, branches of department manually and using computers
Business Statistics - II	To impart knowledge on application of statistical tools and techniques in business decision making and use MS-Excel in interpretation of statistical data.
Entrepreneurship Development	To understand the various concepts relating entrepreneurship development.
Business Law	To understand basics of contract act, sale of goods act, ITRS and legal provisions applicable for establishment and management and winding up of companies in India.
Banking Theory & practice	To impart knowledge on the development banking system in India and functioning of central bank and commercial banks in India.
Auditing	To understand meaning and elements of auditing and gain knowledge for execution of audit.

  
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Cost Accounting	To train the students in finding the cost of products using different methods of costing. To impart conceptual knowledge of costing and management accounting.
Managerial Accounting	To equip basic skills of analysis of financial information to be useful to the management.
Company Law	To impart knowledge on the provisions provided in Companies Act 2013 regarding company formation, management and dissolutions.
Human Resource Management	To understand the important concepts of human resource management.
Preparation of Tax Returns	To enable the students to prepare the tax returns of an individual assessee.
Advertising	To understand the concept of advertising, advertising methods etc.
Computerized Accounting	To enable students to prepare final accounts using accounting package.
Financial Institutions and Markets	To impart the knowledge on banking and insurance concepts and to gain an insight on financial services.
Organization Behavior	To understand the personality traits, group behavior and conflict management

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## Department of computer Science

### Objective:

To inculcate enthusiasm in the core subjects Math's, Physics & Computer Science along with the languages to meet the curriculum designed by University.

### Program Outcomes(PO'S)

- PO1: Generating students with overall skill ability catering wide career opportunities globally and also meeting the requirements of industries.
- PO2: Advanced learning techniques for students aiming to be a part of various research institutes were carried out by each of the science faculties.
- PO3: An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- PO4: Get employment in IT fields.
- PO5: Develop a program for system based applications and web page creation for business enterprises.

### Program Specific Outcomes(PSO'S):

- PSO1: An ability to identify, formulate, and develop solutions to computational challenges.
- PSO2: An ability to design, implement, and evaluate a computational system to meet desired needs within realistic constraints.
- PSO3: An ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.
- PSO4: An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.
- PSO5: An ability to analyze impacts of computing on individuals, organizations, and society.
- PSO6: An ability to use appropriate techniques, skills, and tools necessary for computing practice.
- PSO7: An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- PSO8: An ability to apply design and development principles in the construction of software systems of varying complexity.

### course outcomes:

#### programming with c:

Learning Outcomes: Upon completion of this course students will acquire knowledge and,

1. Able to implement the algorithms and draw flowcharts for solving Mathematical and Engineering problems.
2. Demonstrate and understanding of computer programming language concepts.
3. Ability to design and develop Computer programs, analyzes, and interprets, the concept of pointers, declarations, initialization, operations on pointers and their usage.

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# GOVERNMENT DEGREE COLLEGE ETURNAGARAM

## Economics Course outcomes

### GENERAL OUTCOMES

#### The study of Economics

1. Provides valuable knowledge for making decisions in everyday life.
2. Helps people to plan all the aspects of life systematically like income, expenditure balancing in the family member's time management, work management regarding saving investment etc.
- 3: Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources.

### SPECIFIC OUTCOMES

**Micro Economics:** by studying the micro Economics Students will be able to understand supply and demand analysis, Define the consumer behavior, production, costs etc. different conditions . Integrate the concepts of cost and revenue and analyze the status of firms. Classify types of market structures- Process of determination of prices under different market structures. Analyze the decisions of firms aimed at realizing objectives. Evaluate the pricing strategies of firms under different market conditions.

**Macro Economics :** Identify different structures of an economy and describes how the income flows among different sectors of the economy. To get knowledge regarding the concept of national income, employment theories (classical, modern), investment, consumption, interest theories, supply of money and demand for money, inflation and business cycle. Explain theorems of Income and employment. Understand the concepts of investment and capital –Determinants of investment and capital. Define what is money and classify its functions – Related theorems of supply of money with indian money supply. Analyze the causes and effects of inflation. suggest solutions to control money. Integrate various parameters and analyse the macro economic status of Indian economy. Public Finance Student understood the various concepts of public finance like public revenue, public expenditure, public debt, public debt, federal finance, taxes etc.

1.

**Development Economics:** Define the concepts of Economic Growth and Development - Construct the measurement of Economic Development. Interpret the role of State and market in economic development. Relate the factors that affect economic development - Distinguish between developed and developing countries .Understand theories of Demographic transition. Interpret theories of Economic development. Interpret theories of Under Development.

**INDIAN ECONOMY:** Describe the structure of Indian economy- Resource base -Size, composition of population and analyse its effects on economy. Explain the role and importance of Agriculture in Indian Economy - Relate the growth and changes in Indian Agriculture. Evaluate the problems of Indian Agriculture sector. Describe the importance of Industry and analyse the trends in Industrial production of Indian Economy - Analyse the impact of Industrial policy resolutions. Evaluate planning in India- Five year plans objectives, strategies. Evaluate the performance of Indian planning Analyse the role of service sector in Indian economy - Trends of service sector growth and contribution of important sectors, Evaluate the impact of economic reforms liberalization, Privatization and Globalisation.

**INTERNATIONAL ECONOMICS:** Explain the classical and modern theories of International trade absolute advantage and comparative advantage. Describe the role of international trade in Economic Growth.

Analyse how the terms of trade change and effect economies. Explain different barriers to international trade and analyse how the quantitative and qualitative restrictions on trade impact economies Construct Balance of Payments and analyse the causes for disequilibrium in Balance of Payments and suggest measures to correct it Evaluate composition and direction of international trade of India. Evaluate the export and import policies of Indian Economy Integrate and evaluate the status of international trade of Indian Economy in the present context.

**TELANGANA ECONOMY:** Describe the basic features of Telangana Economy. Construct the demographics and occupational distribution of Telangana. Analyse the trends in rates of growth of Gross State Domestic Product (GSDP), Per capita Income of Telangana. Analyse the problems of Poverty, unemployment and concentration of economic power. Describe the features of Agriculture in Telangana and analyse trends of growth. Analyse the trends in agricultural productivity and evaluate the impact of Mission Kakatiya. Describe the structure of Telangana Industry and Service sector. Evaluate the impact of TS iPASS on industrial growth.

**GDC, ETURNAGARAM, DEPT. OF ENGLISH**



**PROGRAM OUTCOME:** To make the students able to learn English for comprehension, communication, competency and career growth.

**PROGRAM SPECIFIC OUTCOME**

➤ Competency of students in the four basic skills of language - LSRW.

**Listening :** Accuracy in listening through audio/video aids, clear pronunciation by the instructor, peer reading .....with focus and selective approach.

**Speaking:** Accuracy in speaking through conversation (formal/casual), small talks, debates, peer chatting .....with good accent and modulation.

**Reading:** Accuracy in reading through reading aloud in classroom situation, literary gatherings, college assembly .....maintaining the right pace, rhythm and pause.

**Writing:** Accuracy in writing through rigorous practice in the form of short stories, articles, personal diaries, academic profile ....with legible and well structured sentence patterns.

**OUTCOME:** Department of English has become successful in accomplishing the target stated in the PO/PSO and CO.

**Students - JIGNASA STATE LEVEL 'CERTIFICATE OF COMMENDATION' (2018-19)**

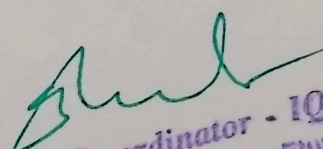
- With a view to encourage language learning and enhance research skills among students, the platform extended by Commissioner of Collegiate Education through JIGNASA was put to maximum use the faculty of English in moulding the students to suit the the requirements of the day. 6 students from Science/Arts/Commerce groups have been selected for the JIGNASA program 2018-19 to make research on the linguistic difficulties of the learners studying in High School, Junior College both Telugu and English media, government and private. College students have made effective use of the available resources in accumulating information from the target group. They could find a change in their communication and when the research project was selected for presentation at the state level their happiness knew no bounds. Their levels of comprehension, communication and competence underwent a remarkable change when exposed to perform with peer learners from different part of the state.

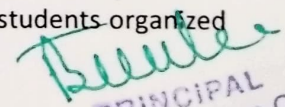
**Contract Lecturers - ONE DAY WORKSHOP ON 'SOFT SKILLS' - March 2019.**

- Students' competency in language acquisition and use depends to a major extent on the communication skills of the teacher. With a view to help the contract faculty exclusively from departments other than English, a 'One Day Workshop on Soft Skills' with the permission of Commissioner of Collegiate Education and financial assistance of the ITDA, Eturnagaram was conducted for motivating the contract lecturers on activities related to LSRW.

**Teachers/Scholars - TWO DAY NATIONAL SEMINAR ON 'SOFT SKILLS' - February 2020**

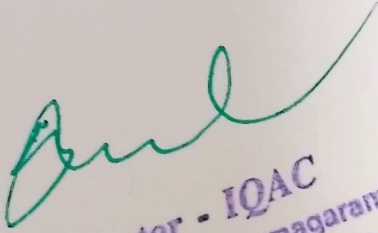
- Keeping in view of the topography of the institution Department of English with the sole intention of providing exposure to both faculty and students organized

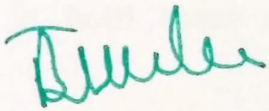
  
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a 'Two Day National Seminar on Soft Skills for Conventional and Professional Courses' with the permission and financial assistance of Commissioner of Collegiate Education. Resource persons from well reputed institutions participated in the seminar. As many as 100 papers were presented by learned faculty and upcoming research scholars. This has motivated college students and nearly 6 students presented papers on their own.

Thus the purpose of English for enrichment, advancement, accomplishment and excellence as envisioned by the syllabus designers was brought to fruition by the Department of English.

  
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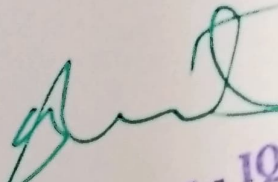
## COURSE OUTCOME

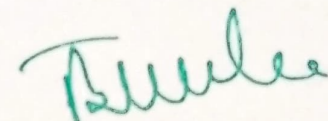
**Comprehension :** Students' comprehensive style must undergo a remarkable change from the basic level to the advanced level by the time they leave the institution after the completion of the course. Syllabus designed by the course writers has to be manipulated effectively for the teacher during the process of interaction to good use in consonance with the grasping levels of the learners.

**Communication :** Students who fear speaking in English at the entry level of the course should find themselves in a comfortable position using English with confidence and courage at the time of exit.

**Competency:** Students learn English as part of curriculum for academic growth in the institution and for personal and professional growth outside the institution. As such necessary care has to be taken by the instructor in moulding the available textual resources for enhancing the competency levels of the learners.

**Employability:** Students at the end of the course either seek employment or continue with higher studies. But language becomes a tool of perfection in both these areas of accomplishment and advancement.

  
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# History

## GOVERNMENT DEGREE COLLEGE, ETURNAGARAM

### Specific Outcomes of the History

- Students are made to understand the History of the Telangana, History of the South India , History of the India, History of the modern world.
- Students are Explained the Importance of the History and made them to preserve Local History and monuments around.
- For the Awareness in Students on the Local History like Bathukamma Bonalu Muharram and medaram (sammakkasaralammajathara) Tribal goddess fair.
- History is to Create the Awareness in Students strong human efforts in different fields and perspectives brought in human life, Culture and Civilization, by Assessing it's heritage and it's Significance A nation makes necessary changes According to the changing times in past to present to the future.
- To create the Awareness among the students that History plays a key role in all the Competitive Examinations as a part of general studies paper getting more questions from it since The subject History is a Deciding factor in getting Government jobs.
- To create the Awareness among the students on the Research projects.

# History

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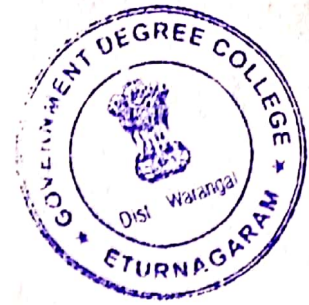
## Learning outcomes of the Course

- History has noble Aims such as Forstering, Historical Knowledge and promoting students not only Academic Activities such as Higher learning and research, But Also Competitive in Nature.
- History has also been attempting to focus on the cultural heritage and traditions of Telangana and India so as to imbibe in the minds of Students
- The cultural values of the Region and this nation through class room lectures and Various Academic Exercises through different kinds of Lectures seminars, Quizes, study projects , Historical field trips etc.. This would help to prepare the students to play great role in Regional , National and International Area.
- History has always been striving to Achieve Excellence in Academic Activities , Students talents should be properly challanise by shaping them properly to become distinguished men in society and by offering them training in Academic Exercises.
- History has been Conducting programs for students to Enable them to

**GOVERNMENT DEGREE COLLEGE-ETURNAGARAM**

**DEPARTMENT OF MATHEMATICS**

**PROGRAMME OUTCOMES**



**By the end of BSc programme in Mathematics a student will:**

PO1: Be able to analyze, test, interpret and form independent judgments in both academic and non-academic contexts

PO2: Recognize and appreciate the connections between Theory and applications

PO3: Have an appropriate set of professional skills to ensure a productive career

PO4: Work effectively in a multi-disciplinary environment

PO5: Be prepared for life-long learning

PO6: Exhibit positive attitudes and values toward the discipline, so that they can contribute to an increasingly complex and dynamic society.

PO7: Develop effective communication skills in English and Regional/National language

PO8: Communicate effectively with whom they are interacting and the society to make effective presentations, and give and receive clear instructions.

PO9: Function effectively as an individual, and as a member or leader in diverse teams.

A handwritten signature in green ink, appearing to read "B. S. S. S.", is written over the printed name of the principal.

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## PROGRAM SPECIFIC OUTCOMES

By the end of BSc programme in Mathematics a student will:



PSO1: Be familiar with different areas of Mathematics

PSO2: Construct abstract models using appropriate mathematical and statistical tools

PSO3: Be prepared to use Mathematics, not only in the discipline of Mathematics, but also in other disciplines and in their future endeavours

PSO4: Recognize what constitutes mathematical thinking, including the ability to produce and judge the validity of rigorous mathematical arguments

PSO5: Identify suitable existing methods of analysis, if any, and assess his/her strengths and weaknesses in the context of the problem being considered

PSO6: Develop the skills necessary to formulate and understand proofs and to provide justification.


PSO7: Think critically and communicate clearly mathematical concepts and solutions to real-world problems.

PSO8: Be able to solve problems using a broad range of significant mathematical techniques.

PSO9: Engage his/her creativity in the quest for novel elegant solutions.

PSO10: Develop an understanding of the precise language of Mathematics, and be able to integrate mathematical arguments with the uncritical thinking skills

PSO11: Be a life-long learner who is able to independently expand his/her mathematical or statistical expertise when needed.

  
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## Course outcomes

01. By the time students complete the course Differential Calculus they realize wide ranging applications of the subject.
02. After learning the course Differential Equations the students will be equipped with the various tools to solve few types differential equations that arise in several branches of science.
03. After the completion of the course Real Analysis students will be in a position to appreciate beauty and applicability of the course.
04. On successful completion of the course Algebra students will be able to recognize algebraic structures that arise in matrix algebra, linear algebra and will be able to apply the learnt in understanding various subjects..
05. After completion of Linear Algebra students appreciate in interdisciplinary nature.
06. Students realize the importance of the subject in solving some problems of algebra and calculus.
07. Students understand the beautiful interplay between algebra and geometry.
08. Students realize the way vector calculus is used to address some of the problems of physics.

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## Department of zoology

### Program Outcomes (POs)

- PO1: This program can be used for Higher Education, Research and self Employability to the students.
- PO2: Knowledge and practical experiences in biological science knowledge in Aquaculture, Apiculture, Agriculture and Medicine and clinical pathology which can be useful for their self Employability
- PO3: Knowledge of the Animal Science- Animal diversity of invertebrates and Vertebrates, Cell biology, Taxonomy, Embryology, Animal Physiology, Ecology, Zoogeographical concepts, and Genetics and Molecular Biology, Immunology, Animal biotechnology can be useful for the Post graduation level Education and also for Research.
- PO4: Knowledge of fisheries management, culturing of silkworms and Honey bees which can be useful frothier self-employment, higher Education and Research.

### PROGRAM SPECIFIC OUTCOMES OF ZOOLOGY (PSOs)

- PSO1: Students can understand the nature and basic concepts of Animal Science- Animal diversity of invertebrates and Vertebrates, Cell biology, Taxonomy, Embryology, Animal Physiology, Ecology, Zoogeographical concepts, and Genetics and Molecular Biology, Immunology, Animal biotechnology. Students can increase their understanding levels which can be used for further studies in Animal sciences.
- PSO2: Learners can get the knowledge and understanding the fields of Fisheries, Poultry management, Apiculture and sericulture. Students can be experienced in frequent visits of culturing areas which can be useful for their self Employability.
- PSO3: Analyzing the relationship between animals, plants and micro-organisms.
- PSO4: Performs experimental procedures as per laboratory standards in the areas of invertebrates and Vertebrates, Cell biology, Taxonomy, Embryology, Animal Physiology, Ecology, Zoogeographical concepts, and Genetics and Molecular Biology, Immunology, Animal biotechnology.
- PSO5: Students can apply of biological science knowledge in Aquaculture, Apiculture, Agriculture and Medicine and clinical pathology.

### Course outcomes of zoology (Cos)

- CO1: Animal diversity: To prepare students for acquiring knowledge regarding biology at the systems and organizational level. Able to assess the scope of animal biology and select particular areas for further study.

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## Department of zoology

### Course outcomes (Cos)

CO1: Animal diversity: To prepare students for acquiring knowledge regarding biology at the systems and organizational level. Able to assess the scope of animal biology and select particular areas for further study.

CO2: Ecology: To understand environmental functions and their relations to the human life. Environmental pollution and their effects and how to overcome the problems. Students can take environmental science as a subject for further studies.

CO3: Animal physiology: The major aim of this course is to provide students with a basic understanding of the fundamental process and mechanisms that serve and control the various function of body.

CO4: Zoogeography: To understand the distribution of animals on earth in different regions. In addition to mapping the present distribution of animal species it also gives the knowledge of the evolutionary history and relationships of the animals.

CO5: Developmental biology: To understand the events that led up to and comprises the process of fertilization. Be able to know about the micromeres, macromeres, mesomeres which form into specific cells in the embryo. This course provides scope to do research on different animal's developmental process.

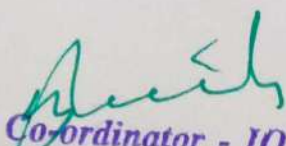
CO6: Animal behavior: The study of social behavior and organization in animals. Sociobiology has emerged as a new approach to the study of animal behavior. The study of animal behavior has led to the modern synthetic view of animals living and behaving in their natural environment. It is final objective of all other branches of biology.

CO7: Evolution: to show how natural selection ultimately underpins all biological processes and how evolution has generated biological diversity. To outline the major transition in evolution from origin of life to hominid evolution.

CO8: Genetics: To understand how inheritance of characters occur from parents to offspring. And also to deal with genetic disorders which during inheritance. Students can do further studies on how to overcome the problems of genetic disorders.

CO9: Fisheries, Apiculture and Sericulture: To promote effective fisheries management and improving standards of fisheries management. To provide technical and general knowledge necessary for fisheries management, Culturing of silkworms and Honey bees which can be useful for the for their self-employment.

Molecular Biology: Student can understand, differentiate and analyze the knowledge of DNA, RNA and Proteins participate in various metabolic activities. This can be useful for their higher education and Research.

  
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Immunology: Students can get the knowledge of Immunology of humans. They can analyze the different pathogenic invaders and their effect on human health. The knowledge and analysis of Immune system can be useful for their personal hygiene and also useful for higher studies and research.

Animal Biotechnology: This fascinating emerging field knowledge can be useful for the Research especially.

Aquaculture: Knowledge from the study of aquaculture can be useful to the students for the Environmental protection and proper management of Natural water resources.

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**GOVERNMENT DEGREE COLLEGE, ETURNAGARAM**  
MULUGU DISTRICT – 506165  
(ACCREDITED WITH 'B' GRADE BY NAAC)

**B.Sc Botany**

**COURSES OUTCOME**

**Semester – I Microbial Diversity of Lower Plants**

- To gain knowledge about microbial diversity.
- To have the ability to utilize the concept of mushroom cultivation.
- To know about various plant diseases and their control measures.
- To understand life cycles of different algal species.
- To explore economic importance of algae & fungi.
- To know the Life cycles of bryophytes and Pteridophytes.

**Semester – II Bryophytes, Pteridophytes, Gymnosperms and Palaeobotany.**

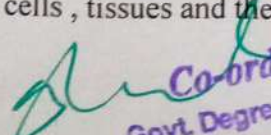
- To understand the life cycle of Gymnosperms.
- To explain about fossils and fossilization.
- To understand about geological time scale.
- To understand different types of classifications
- To know the concepts of Angiosperm Taxonomy and Nomenclature and Taxonomic resources.
- To understand the ecosystems and their components

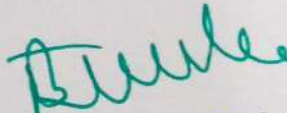
**Semester – III Taxonomy of Angiosperms and Medicinal Botany**

- To recognize the major groups of vascular plants and their phylogenetic relationships.
- To gain proficiency in the use of keys and identification manuals for identifying any plants to species level.
- To explore the uses of plants as medicine by traditional indigenous approaches.
- To understand different systems of medicine and their uses .
- Indigenous medicinal practices based on plant knowledge.
- To get introduced to different perspectives on treating ailments.

**Semester IV – Plant Anatomy, Embryology and Palynology**

- To gain knowledge of plant cells , tissues and their functions.

  
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To know plant anatomy and their role in disciplines of biology.  
To know the structure and development of monocot and dicot embryos.  
To compare the function and morphology of pollen grains.  
Describe and illustrate modern and fossil spores and pollen grains.

### **Semester – V Cell Biology and Genetics**

To explain the structure of Cell components and their functions.  
To describe cell division in plants.  
To have knowledge of the nature and function of genes, processes of inheritance .  
To describe linkage ,crossing over and mutations .  
To understand ecological relationships and environment.

### **Elective: Ecology and Biodiversity**

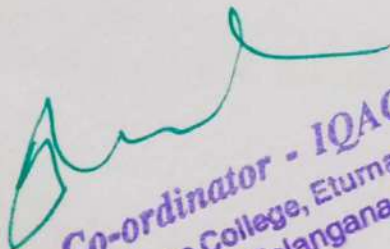
To identify diversity of life forms in an ecosystem.  
To understand the role that biodiversity plays in conservation science

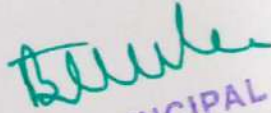
### **Semester – VI Plant Physiology**

To understand plant physiological processes and metabolism.  
To explain the role of micro nutrients in plant growth and development.  
To relate photosynthesis with the formation of primary and secondary metabolites.  
To know the role of nitrogen metabolism and phytohormones.

### **Elective: Tissue Culture and Biotechnology.**

To explain the main techniques of in vitro culture of plant cells &tissues.  
To know the methods used for the bio-production of plant secondary metabolites.  
To know the main techniques of genetic manipulation of plant organisms.

  
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**GOVERNMENT DEGREE COLLEGE,  
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DEPARTMENT OF PHYSICS**



**PROGRAMME OUTCOMES:**

Students of Physical Science are expect to

- Inculcate scientific thinking and awareness.
- Understand the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena of Physics.
- Acquire the skills in handling scientific instruments in the laboratory, and planning and performing experiments in a proper manner.
- Explain the basic scientific principles and methods.
- Analyze the applications of Mathematics to the problems in Physics and interpret the Mathematical results.

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**COURSE OUTCOMES:**

- By the end of first year the student should learn a thorough understanding of mechanics and Waves and Oscillations.
- By the end of second year the students will have understanding of Thermodynamics and Optics
- By the end of the third year the students should acquire thorough knowledge of electromagnetism and Modern Physics.
- By the end of the course a firm foundation in the subject is laid for further higher studies and research.

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## తెలుగు -ముఖ్యమైన ఫలితాలు

డిగ్రీ స్థాయిలో ద్వితీయ భాషగా తెలుగు బోధన విద్యార్థులకు అనేక

విధాలుగా ప్రయోజనకరంగా ఉంటుంది.

1.విద్యార్థులకు ప్రాచీన సాహిత్యం, ఆధునిక సాహిత్యం,వచన కవిత్వం, భాషాభాగాలు,వ్యాకరణం,చందస్సు మొదలైన అంశాల పట్ల అవగాహన కలిగే విధంగా సిలబస్ రూపకల్పన జరిగింది.

2.ఆంధ్రమహాభారతం,భాగవతం,రామాయణం,ఇతర కావ్యాలు మొదలైన వాటి నుండి గ్రహించబడిన పాఠ్యాంశాల వలన విద్యార్థులలో వ్యక్తిత్వవికాసం పెంపొందడమే కాకుండా వారికి ఆచారవ్యవహారాలు,మన సంస్కృతి గొప్పదనం ,మాటనేర్పరితనం,దేశభక్తి ,గురుభక్తి,పితృభక్తి వృద్ధిపొందుతుంది.

3.మాతృభాష పట్ల అభిమానముండి భాషను రక్షించుకుంటే విద్యార్థులలో భావ దారిద్ర్యం పోతుంది.



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## తెలుగు అధ్యయనం-ఫలితాలు

డిగ్రీ స్థాయిలో తెలుగును అధ్యయనం చేయడం వలన విద్యార్థికి అనేక ప్రయోజనాలు కలవు.

1. ఆయా పాఠ్యాంశాలలో పరిచయమైన పాత్రల ఉదాత్తతను విద్యార్థి ఆకళింపు చేసుకుంటే అతనిలో ఉత్తమగుణాలు వృద్ధిపొందుతాయి.
2. మాతృభాషలో ప్రావీణ్యం సంపాదిస్తే ఇతర భాషలు సులభంగా నేర్చుకోవచ్చు.
3. భాషోచ్ఛరణలో స్పష్టత ఉంటే ఉద్యోగాలకు జరిగే మాఖిక పరీక్షలలో సులభంగా ఎన్నికయ్యే అవకాశముంటుంది.
4. యు.పి.యస్.సి పరీక్షలలో కూడా తెలుగును ప్రత్యేకాంశంగా తీసుకొని చదివే అవకాశముంది.
5. పి.జి.స్థాయిలో తెలుగును చదివితే పత్రికరంగం, సినిరంగం, టీ.వి.మొదలైన వాటిలో ఉపాధి లభించడమే కాకుండా జూనియర్ లెక్చరర్, అసిస్టెంట్ ప్రొఫెసర్ లాంటి ఉద్యోగాలను పొందవచ్చును.
6. వివిధ కవుల కావ్యాలు, వాటిలోని వర్ణనలు అధ్యయనం చేస్తే విద్యార్థులలో సృజనాత్మకత వృద్ధి చెందుతుంది.



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## **Program Learning Outcomes**

Students completing the requirements for a B.A. degree in Political Science will be able to:

1. write clearly and with purpose on issues of international and domestic politics and public policy;
2. participate as a civically engaged member of society;
3. analyze political and policy problems and formulate policy options;
4. use electronic and traditional library resources to research key local, state, national and international policy issues and present results;
5. demonstrate competency with basic tools underlying modern social science research including competency in statistics and qualitative analysis
6. demonstrate critical thinking, including the ability to form an argument, detect fallacies, and marshal evidence, about key issues of public policy and politics;
7. discuss the major theories and concepts of political science and its subfields; and
8. deliver thoughtful and well articulated presentations of research findings.



## **Course Learning Outcomes**

### ***POLS 102 Comparative Government***

- Discuss the theory and apply the methodology of comparative analysis within the discipline of political science.
- Analyze contemporary problems in the countries under consideration in light of the conceptual frameworks presented in class.
- List the differences between scholarly and popular publications in Comparative Politics.
- Use library search tools to identify scholarly articles on country-specific government institutions in a nation state other than the United States.
- Use the Internet and library search tools to find sites on government, international humanitarian organizations, and newspapers originating from their topic country.
- Write an analysis of the institutions, political behavior and political ideas of another country comparing these attributes to the U.S. model.