## PROGRAM OUTCOMES, SPECIFIC OUTCOMES

### DEPARTMENT OF ZOOLOGY

**Programme Objectives(POs):**

1. To provide quality education in a branch of Biological sciences i.e Zoology with different specializations.
2. To facilitate Higher education & research in zoology.
3. To provide quality education offering skill based programs and motivate the students for self employment in applied branches of Zoology.
4. To inculcate the value based education and entrepreneurial skills among the students.
5. To Inculcate the spirit of resource conservation and love for nature
6. To conduct field studies and different projects of local and global interests.
7. To provides opportunities for professional and personal development through curricular and cocurricular activities
8. Provide consultancy and organize extension activities.

**Programme Outcomes (POCs):**

PO1: To ensure that the candidate after successfully completing the master's degree in Zoology is well versed in subjects related to the programme and are able to impart knowledge to the concerned sections of the society.
PO2: To acquire skills in utilizing the fundamental knowledge gained in various fields of biological sciences in teaching learning activities.
PO3: To analyze biological problems professionally with a scientific temperament and research attitude and also to think logically in a scientific way to solve biological issues that they may come across.
PO4: To critically evaluate and interpret biological data and to acquire skills in modern tools and techniques in biological field to take up jobs in teaching/research/clinical/Biotechnology/animal husbandry and environment related establishments.
PO5: To analyze environmental issues and contribute to words environmental protection, bio- sustainability and biodiversity and also to apply the scientific knowledge in guiding the society in maintaining public health and hygiene and thereby avoiding spreading of diseases
PO6: Individual and team work: Exhibit the potential to effectively accomplish tasks independently and as a member or leader in diverse teams, and in multidisciplinary settings.
PO7: Effective Communication: Communicate effectively in spoken and written form as well as through electronic media with the scientific community as well as with society at large. Demonstrate the ability to write dissertations, reports, make effective presentations and documentation.
PO8: Environment and Society: Analyse the impact of scientific and technological advances on the environment and society and the need for sustainable development.
PO9: Ethics&Life-long learning: Commitment to professional ethics and responsibilities. Ability to engage in life-long learning in the context of the rapid developments in the discipline

**Programme Specific Outcomes (PSOs):**

PSO1: To ensure that the candidate after successfully completing the master's degree in Zoology is well versed in subjects related to the programme and are able to impart knowledge to the concerned sections of the society.
PSO2: To acquire skills in utilizing the fundamental knowledge gained in various fields of biological sciences in teaching learning activities.
PSO3: To analyze biological problems professionally with a scientific temperament and research attitude and also to think logically in a scientific way to solve biological issues that they may come across.
PSO4: To critically evaluate and interpret biological data and to acquire skills in modern tools and techniques in biological field to take up jobs in teaching/research/clinical/Biotechnology/animal husbandry and environment related establishments.
PSO5: To analyze environmental issues and contribute to words environmental protection, biosustainability and biodiversity and also to apply the scientific knowledge in guiding the society in maintaining public health and hygiene and thereby avoiding spreading of diseases

### DEPARTMENT OF BOTANY

**Programme Objectives (POs):**

1. To provide quality education in a branch of Biological sciences i.e Botany with different specializations.
2. A holistic development and academic excellence to contribute effectively to the understanding of the subject.
3. To develop an aptitude towards science and nature.
4. To equip the students with the basic skills in identifying, labeling and metabolism of different plants.
5. To impart quality education in the field of Botany enabling our students to confidently face the job market.
6. To sensitize the students towards the need for keeping the environment clean and conserve our natural resources.

**Programme Outcomes (POCs):**

PO1:Domain knowledge: Demonstrate knowledge of basic concepts, principles and applications of the specific science discipline
PO2: Resource Utilization. Cultivate the skills to acquire and use appropriate learning resources including library, e-learning resources, ICT tools to enhance knowledge-base and stay abreast of recent developments
PO3: Analytical and Technical Skills: Ability to handle/use appropriate tools/techniques/equipment with an understanding of the standard operating procedures, safety aspects/limitations
PO4: Critical thinking and Problem solving: Identify and critically analyse pertinent problems in the relevant discipline using appropriate tools and techniques as well as approaches to arrive at viable conclusions/solutions
PO5: Project Management: Demonstrate knowledge and scientific understanding to identify research problems, design experiments, use appropriate methodologies, analyse and interpret data and provide solutions. Exhibit organizational skills and the ability to manage time and resources
PO6: Individual and team work: Exhibit the potential to effectively accomplish tasks independently and as a member or leader in diverse teams, and in multidisciplinary settings.
PO7: Effective Communication: Communicate effectively in spoken and written form as well as through electronic media with the scientific community as well as with society at large. Demonstrate the ability to write dissertations, reports, make effective presentations and documentation.
PO8: Environment and Society: Analyse the impact of scientific and technological advances on the environment and society and the need for sustainable development
PO9: Ethics &Life-long learning: Commitment to professional ethics and responsibilities. Ability to engage in life-long learning in the context of the rapid developments in the discipline

**Programme Specific Outcomes (PSOs):**

PSO1: Understand the basic principles of Life forms for the scientific phenomena of Plant Science
PSO2: Understand the enumeration and description of the natural phenomena
PSO3: Appreciate the knowledge on the various branches of Botany (Plant Systematics, Ethnobotany, Plant Morphology, Anatomy, Embryology,Plant Biotechnology, Plantomes and Physiology)
PSO4: Comprehend the importance of conservation of plant resources
PSO5: Understand the various applications of plants to human welfare

## DEPARTMENT OF MCA

**PROGRAM C OUTCOME**

The Master of Computer Applications (MCA) programme is designed to impart fundamental knowledge in computing domain, programming skills to enable the students to cater the needs of the IT industry and / or to pursue higher education. The students become well versed inanalyzing, designing and developing applications to solve computer science related problems.

**Programme specific outcome:**

PSO 1: Apply knowledge of Computing fundamentals, Mathematics and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.
PSO 2: Application of software tools for the designing of computer systems in multidisciplinary areas and design a system to meet the desired needs in real life.
PSO 3: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.
PSO 4: Recognize the need, and have the ability, to engage in independent learning for continual development as a Computing professional.

PSO 5: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, documentation, make effective presentations, and give and understand clear instructions.

## DEPARTMENT OF COMPUTER SCIENCE

**PROGRAM C OUTCOME**

The master of science in Computer Science Program provides the students with knowledge, general competence, and analytical skills on an advanced level, needed in academics, industry, research.

**Programme specific outcome:**

PSO 1: Be technology-oriented with the knowledge and ability to develop creative solutions, and better understand the effects of future developments of computer systems and technology on people and society.

PSO 2: Provides technology-oriented students with the knowledge and ability to develop creative solutions.

PSO 3: Apply computer science theory and software development concepts to construct computing-based solutions.

PSO 5: Design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, Artificial Intelligence, Mobile applications.

PSO 6: Use creativity, critical thinking, analysis and research skill.

## DEPARTMENT OF COMMERCE

**PROGRAMME OBJECTIVES:**

The aim of this Program is to develop Commerce professionals with specialised skills and applied competencies in theoretical and practical knowledge of Finance and Marketing that will cater the contemporary needs of industry and academia by providing student-centric learning ambience backed with critical thinking and problem solving capabilities. The main objective of this Programme is to train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to financial management, security market transactions, corporate governance practices, and marketing management of a business.

The Program will enable students:

1. To acquaint with conventional as well as contemporary areas in the discipline of Commerce.
2. To well versed in national as well as international trends.
3. For conducting business, accounting and research practices.
4. To understand role of regulatory bodies in corporate and financial sectors

**SKILL**
**S:**

The students after completing the program should inculcate the following skills:

1. The techniques of managing the business with special focus on marketing and finance.
2. Application oriented research through research for business decisions.
3. Effective use of Statistical methods for analysis of business data.
4. Adopt a suitable corporate tax planning and management for the growth of business within the legal framework.
5. Investment and portfolio management skill to examine different investment schemes with respect to risk and return and to construct optimum portfolio.
6. Adopt a reflective approach to personal development and embrace the philosophy of continual professional development.

Plan and undertake independent research in a chosen discipline.

**PROGRAM OUTCOMES (POS)**

| | |
|---|---|
| PO 1 | Foster learning by providing in-depth and advanced knowledge in the areas of Finance, Accountancy and taxation for industry readiness. |
| PO 2 | Application of Information technology and digital tools in the domain of commerce as per technical skills required by the corporate. |

| | |
|---|---|
| PO 3 | Motivate, impart and develop attitude, skill sets, competencies and gain confidence to incubate start-ups and thrive towards their goals in the competitive entrepreneurial ecosystem. |
| PO 4 | Motivate, impart and develop attitude, skill sets, competencies and gain confidence to incubate start-ups and thrive towards their goals in the competitive entrepreneurial ecosystem. |
| PO 5 | Provide foundation for advanced studies through scientific research methodology by applying critical thinking and analytical reasoning |
| PO 6 | Holistic development to create responsible citizenry leading to social and economic value for the nation. |
| PO 7 | Bridging the gap between academia and industry, ability to face the challenges and achieve excellence in a chosen career path. |
| PO 8 | Holistic development to create responsible citizenry leading to social and economic value for the nation. |

## DEPARTMENT OF BIOTECHNOLOGY

**Programme Outcomes**

Upon completion of the M.Sc. Biotechnology programme, the candidate should be able to:

1. Develop an ability to solve, analyze and interpret data and demonstrate skills to use modern analytical tools/ software/ equipments in various courses of biotechnology.
2. Develop in-depth knowledge for analytical and critical thinking to identify, formulate and solve the issues related to Biotechnology Industry, Pharma industry, Medical or hospital related organizations, Regulatory Agencies & Academia.
3. Develop an ability to execute their professional roles in society as biotechnology professionals, employers and employees in various industries, regulators, researchers, educators and managers.
4. Develop an ability in written and oral communication skills to communicate effectively in healthcare, industry, academia and research.
5. Acquire basic and advance skills in micro propagation of plants for self-employment and entrepreneurship

**Programme Specific Outcomes (PSOs):**

1. Students will be able to gain fundamental knowledge in animal and plant biotechnology and their applications.
2. Students will be able to understand various facets of molecular procedures and basics of genomics, proteomics and metabolisms that could be employed in early diagnosis and prognosis of human diseases.
3. Students will be able to demonstrate and apply the principles of bioprocess engineering in the design, analysis, optimization and simulation of bioprocess operations.
4. Students will be able to gain hands on experience in gene cloning, protein expression and purification. This experience would enable them to begin a career in industry that engages in genetic engineering as well as in research laboratories conducting fundamental research

## DEPARTMENT OF BIOCHEMISTRY

**Program Outcomes of M.Sc (Biochemistry)**

1. The students will obtain knowledge in life sciences as the syllabus is framed to compete UGC-CSIR NET, APSET, GATE etc.
2. They are with various experiments that technicaly and analytically skilled enough to work in pharma industries
3. They will be able to recognize the need in continuous learning and develop communication skills
4. They will be aware of scientific activities like seminars and other programs to think and feel competitive in research community

## DEPARTMENT OF ECONOMICS

**Programme Outcomes**

The Master of Arts programme in Economics has been designed with the objective to develop in-depth knowledge of students in frontier areas of economic theory and methods, so that they are able to use the knowledge to study real world economic problems.

The course has a strong focus on theoretical and quantitative skills and train students in the collection and analysis of the data using their software skills. The programme offers specialized optional courses, which allow student to pursue their studies in their area of interest. The students are required to submit report and present their findings of field-study. Besides, to hone the student's writing and analytical skills they are required to submit

a term paper on current economic problem. Thus, the Masters in Economics programme seek to:

1. Prepare students to develop critical thinking to carry out investigation about various socio-economic issues objectively while bridging the gap between theory and practice.
2. Equip the student with skills to analyse problems, formulate an hypothesis, evaluate and validate results and draw reasonable conclusions thereof.
3. Prepare students for pursuing research or careers that provide employment through entrepreneurship and innovative methods. Because today's unemployment problem can also be solved by developing the micro and small entrepreneurship
4. Prepare students to develop own thinking /opinion regarding current national or international policies and issues
5. Create awareness to become a rational and an enlightened citizen so that they can take the responsibility to spread the governments' initiatives/schemes to the rural areas for the upliftment of the poor or vulnerable section of the society for inclusive growth

**Programme Specific Outcomes:**

At the end of the programme, the students will have adequate competency in the frontier areas of economic theory and methods. The students will acquire additional specialization through optional courses. They will be able to use common software for analysis of economic data. Besides, students will be able to execute in-depth analysis of economic issues based on their understanding of economic theory, which will not only widen their opportunities for employment, but also help them to pursue their doctoral studies. Keeping the programme objectives in view, the specific learning outcomes of Masters in Economics are:

1. Understanding the basic assumptions in various economic theories and enhance capabilities of developing ideas based on them
2. Prepare and motivate students for research studies in Economics especially by developing questionnaire, collecting primary data through field surveys
3. Provide knowledge of a wide range of econometric techniques using excel or other statistical tools.
4. Motivate students to extract or utilize different websites for secondary data collection, generating concepts for various facets of economic studies and gather latest information provided by various Universities, UGC, or ICSSR
5. Motivate students in preparing for various competitive examinations, NET, SET, Indian Economic Service etc., by developing or gaining value addition day by day by giving assignments, by following a routine or developing discipline / concentration etc.

## DEPARTMENT OF MATHEMATICS

**Programme Objectives (POs):**

1. To provide quality education in a branch of Mathematical sciences i.e Mathematics with different specializations.
2. A holistic development and academic excellence to contribute effectively to the understanding of the subject.
3. To develop an aptitude towards science and nature.
4. To equip the students with the basic skills in mathematics, computer programming with Python, Artificial Intelligence and Matlab.
5. To impart quality education in the field of Mathematics enabling our students to confidently face the job market.
6. To sensitize the students towards the need for keeping the environment sound and conserve our physical resources.

**Programme Outcomes (POCs):**

PO1: Domain knowledge: Demonstrate knowledge of basic concepts, mathematical principles and applications of the science and technology.

PO2: Resource Utilization. Cultivate the skills to acquire and use appropriate learning resources including library, e-learning resources, ICT tools to enhance knowledge-base and stay abreast of recent developments.

PO3: Analytical and Technical Skills: Ability to handle/use appropriate computer tools/ techniques.

PO4: Critical thinking and Problem solving: Identify and critically analyse pertinent problems in the relevant discipline using appropriate computer tools and techniques as well as approaches to arrive at viable

conclusions/analytical and numerical solutions

PO5: Project Management: Demonstrate knowledge and scientific understanding to identify research problems especially in fluid dynamics, design modelling and experiments, use appropriate methodologies, analytical like Lapalce transformations and numerical methods, like Finite elemnt methods, Finite volume methods and Finite difference methods, analyse and interpret data and provide analytical and approximate solutions. Exhibit organizational skills and ability to manage time and resources.

PO6: Individual and team work: Exhibit the potential to effectively accomplish tasks independently and as a member or leader in diverse teams, and in multidisciplinary subjects.

PO7: Effective Communication and knowlwdge: Communicate effectively in spoken and written form as well as through electronic media with the scientific community in addition with society at large. Demonstrate the ability to write project dissertations, project reports, make effective presentations and documentation with the students.

PO8: Environment and Society: Analyse the impact of scientific and technological advances on the environment and society and the need for sustainable development in mathematical knowledge.

PO9: Ethics &Life-long learning: Commitment to professional ethics and responsibilities. Ability to engage in life-long learning in the context of the rapid developments in the matheamtical sciences and various disciplines.

**Programme Specific Outcomes (PSOs):**

PSO1: Understand the basic principles of mathematics for the teaching, scientific and industrial phenomena of knowledge.

PSO2: Understand the enumeration and description of the mathematical phenomena

PSO3: Appreciate the knowledge on the various branches of Mathematical sciences (Fluid dynamics, Differential eqautions, Cryptography, Algebra, probability and Statistics and Calssical Mechanics)

PSO4: Comprehend the importance of conservation of mathematical resources like Python and Matlab.

PSO5: Understand the various applications of mathematics to humanbeing welfare.

## DEPARTMENT OF TELUGU

**Programme Objectives (POs) :**

1. To provide quality education in the field of Language and Literature with various specialisations.
2. To facilitate Higher Education and Research in Mother tongue.
3. To provide quality education offering skill based programmes and motivate students for self employment in the fields of Creative Writing, Content Development and Mass Media.
4. To inculcate value based education.
5. To inculcate the spirit of research motivation and recourse conservation.
6. To conduct filed studies and different projects of local and global interests.
7. To provide opportunities for professional and personal development through curricular and co curricular activities.
8. To provide consultancy and organise extension activities.

**Programme Otucomes (POCs) :**

1. To ensure that, after successful completion of a Masters Degree in Telugu the student is well versed in subjects related to the programme and are able to impart knowledge to the concerned sections.
2. To acquire skills in utilizing the fundamental knowledge gained in various fields of Telugu language and literature in teaching learning activities at different levels.
3. To analyze the problems related to protect the classical language of Telugu with research attitude.
4. To critically evaluate and interpret the available knowledge in the fields of language and literature.
5. To enable the students to communicate effectively in spoken and written form as well as through electronic media as well as through electronic media and to enable them to demonstrate the ability to write dissertations, reports, make effective presentations and documentation.
6. To analyse the impact of scientific and technological advances with regard to the language.
7. To make students have commitment towards professional ethics and responsibilities and have the ability to engage in life-long learning in the context of the developments of chosen subject.

**Programme Specific Otucomes (PSOs) :**

1. To ensure that, after successful completion of Masters Degree in Telugu the student must be well versed in subjects related to the programme.

2. To make the students to acquire skills in utilizing the fundamental knowledge gained in various fields of Telugu language and literature in teaching learning activities at different levels.
3. To analyze the problems related to protect the classical language of Telugu with research attitude.
4. To critically evaluate and interpret the available knowledge in the fields of language and literature.
5. To exhibit the potential to accomplish tasks independently and as a member or leader in handling teams in multidisciplinary settings.

## DEPARTMENT OF BUSINESS MANAGEMENT

**Program Educational Objectives (PEOs)**

| | |
|---|---|
| PEO1 | Demonstrate the ability to listen and to read attentively, and to express opinions, ideas with clarity in both oral and written communications. |
| PEO2 | Determine the effectiveness with which goals are defined and achieved in team environments |
| PEO3 | Demonstrate the ability to evaluate the multicultural, political, environmental and legal aspects of the business. |
| PEO4 | Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, ethical and cultural issues and the consequent responsibilities relevant to the professional managerial practice. |
| PEO5 | Understand the impact of the professional management solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. |

**Program Specific Outcomes(PSOs)**

| | |
|---|---|
| PSO1 | To impart knowledge and concepts along with fundamentals of Management theory and its applications in Problem solving. |
| PSO2 | Able to think critically, communicate effectively and manage Interpersonal relationships. |
| PSO3 | To make industry ready graduates having highest regard for Personal & Institutional Integrity, Social Responsibility, Teamwork and Continuous Learning. |
| PSO4 | To motivate Students to be enriched in leadership and entrepreneurship development. |
| PSO5 | To bring awareness about globalization and its impacts on people, businesses, society and the economy. |

**Program Outcomes(POs)**

| | |
|---|---|
| PO1 | Management knowledge: To inculcate managerial and entrepreneurial skills with a zeal to attain excellence in business administration. |
| PO2 | Problem analysis: Identify, formulate and analyse the problems in Management leading towards better solution. |
| PO3 | Design/development of solutions: Design solutions for complex problems using the knowledge of Operation research, statistical analysis., etc.,. |
| PO4 | Conduct investigations of complex problems: Use research methodology and knowledge of statistics to design innovative methods to analyse and interpret the data. |
| PO5 | Modern tool usage: Appraise domestic and global economic, financial theories and their applications to the business setting. |
| PO6 | Management and society: Cultivating the principles of Values, Ethics, Social Responsibility, and Spirituality among budding managers. |
| PO7 | Environment and sustainability: To cultivate personal integrity, care and concern for the people, organization, and the society among future managers. |
| PO8 | Ethics: To cultivate ethical consciousness among the future managers. |
| PO9 | Communication: Demonstrate the ability to listen and to read attentively, and to express ideas with clarity in both oral and written communications. |
| PO10 | Life-long learning: Developing capable Business and Community leaders. |

## DEPARTMENT OF PHYSICS

**Program Educational Objectives (PEOs)**

| | |
|---|---|
| PEO1 | The student will have significant prospects in the various fields like academics, industry, research organization, consultancy, defense and entrepreneurial pursuit at national/international level. |
| PEO2 | The student will achieve peer recognition as an individual or team member having specialized knowledge and expertise to identify, formulate, investigate, analyze and implement on the problems in |

physical sciences.

PEO3 The student will have a solid foundation for academic excellence and quality leadership to meet the challenges in interdisciplinary and multi-disciplinary environment

PEO4 The student will have the ability to adapt, absorb and develop innovative and new technology in physical sciences and related areas through a lifelong learning process.

PEO5 The student will inculcate a value system and work ethically in a multidisciplinary environment, to enhance the advancement in physics in general and contribute significantly through their critical thinking and scientific competence.

**Program Specific Outcomes(PSOs)**

PSO1 On completion of the course the students will be able to explain the wide range of physical phenomena with underlying principles with respect to condensed matter physics, nuclear and particle physics both scientifically and in the wider perspective to the community.

PSO2 The current status of physics and associated developments can be understood and explained thoroughly.

PSO3 Show the ability to solve physics related problems and demonstrate the physics phenomenon through experiments.

PSO4 Well qualified to clear national level and state level qualifying examinations for research and teaching at graduate and postgraduate levels.

PSO5 The knowledge acquired during the course would also make the students able to pursue their higher studies as well as to use their knowledge to get into R & D and industrial sector.

PSO6 The knowledge acquired during the course will make the students to think, innovate and help to make an original contribution to the domain knowledge.

PSO7 The inter-disciplinary knowledge gained during the course will help the student to understand a problem in a better way and would be able to address the problem with a complete understanding.

**Program Outcomes(POs)**

PO1 Physics knowledge: The MSc physics programcreates a comprehensive scientific knowledge, and this knowledge will help to understand, explain, and to solve advanced scientific problems.

PO2 Problem analysis: Identify, formulated and analyse advanced problems in physics.

PO3 Design/development of solutions: Design solutions for complex problems using the knowledge of physics.

PO4 Conduct investigations of complex problems: Use methodology and knowledge of physics to design innovative experiments, analyse and interpret the data.

PO5 Modern tool usage: To apply modern experimental and theoretical tools of physics along with modern computation technology to predict and model advanced problems in physics.

PO6 Physics and society: Apply the knowledge of physics to critically assess and analyse the problems of society.

PO7 Environment and sustainability: To ensure that the development in physics maintains and sustains the environment.

PO8 Ethics: Apply and commit to professional ethics of physics.

PO9 Communication: Effectively communicate the activities of physics to physics community and to society through effective presentation, reports and documentation.

PO10 Life-long learning: Recognize the need to engage in independent and life-long learning in the context of scientific/ technological change.

## DEPARTMENT OF ENGLISH

**Programme Objectives (POs) :**

1. To provide quality education in the field of Language and Literature with various specialisations.
2. To facilitate Higher Education and Research in English which is an international language.
3. To provide quality education offering skill based programmes and motivate students for self employment in the fields of Creative Writing, Content Development and Mass Media.
4. To inculcate value based education.
5. To inculcate the spirit of research motivation.
6. To conduct field studies and different projects of local and global interests.

7. To provide opportunities for professional and personal development through curricular and co curricular activities.

8. To provide consultancy and organize extension activities.

**Programme Outcomes (POCs) :**

1. To ensure that, after successful completion of a Masters Degree in English the student is well versed in subjects related to the programme and are able to impart knowledge to the concerned sections.

2. To acquire skills in utilising the fundamental knowledge gained in various fields of English language and literature in teaching learning activities at different levels.

3. To analyze the problems of students in understanding English language teaching and research methodologies.

4. To critically evaluate and interpret the available knowledge in the fields of language and literature.

5. To enable the students to communicate effectively in spoken and written form as well as through electronic media and to enable them to demonstrate the ability to write dissertations, reports, make effective presentations and documentation.

6. To Analyse the impact of scientific and technological advances with regard to the language.

7. To make students have commitment towards professional ethics and responsibilities and have the ability to engage in life-long learning in the context of the developments of the chosen subject.

**Programme Specific Outcomes (PSOs) :**

1. To ensure that, after successful completion of Masters Degree in English the student must be well versed in subjects related to the programme.

2. To make the students acquire skills in utilizing the fundamental knowledge gained in various fields of English language and literature in teaching learning activities at different levels.

3. To analyze the problems related to soft skills and communicative skills.

4. To critically evaluate and interpret the available knowledge in the fields of language and literature.

5. To exhibit the potential to accomplish tasks independently and as a member or leader in handling teams in multidisciplinary settings

**DEPARTMENT OF CHEMISTRY**

1.To promote the development of research programs in the emerging area of chemical sciences through conducting academic and industrial scientific research.

2.To contribute the improvement of the public at the scientific cultural awareness via the academic conferences, Inspire science camps and workshops.

3.To understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics and other disciplines to utilize the modern instrumentation and equipment needed for meaningful participation in the research activities.

**DEPARTMENT OF STATISTICS (ORSQC)**

1.To enable the students to understand and appreciate the basics, evolution and growth of OR &SQC.

2.To enrich students in the subject knowledge and to see that theory in practice.

3.To help the students and research scholars to reach their full potential by providing multifaceted information, and supportive learning and teaching environment.

4.To expose various industrial applications in particular and also to government and public sector applications.

5.To expose latest software like SPSS, SAS and R-Language

**DEPARTMENT OF EDUCATION**

1.To improve the regular teaching-learning situation with enhanced teaching skills.

2.To enhance research skills.

3.To renew innovative techniques to facilitate regular class room practice.

4.To develop new methodology and explore teaching aids for better class room transaction.

5.To inculcate competition, creative attitude and human values.

6.To enhance community relationships.

**DEPARTMENT OF ELECTRONICS & COMMUNICATION**

1.To be well acquainted with fundamentals of Electronics & Communication for leading a successful career in industry or as an entrepreneur or pursuing higher education.

2.To provide in-depth knowledge of modern design tools to solve real-life problems in the field of Electronics and Communication.

3.To develop employability skills to meet dynamic educational and industrial needs for betterment of society.

4.To impart research skills with professional and ethical attributes

5.To foster techno-commercial skills for innovative solutions in fields of Internet of Things (IoT), Artificial Intelligence (AI) and 3D Printing technology.