



G. VENKATASWAMY NAIDU COLLEGE,
(Re-Accredited with 'A' grade by NAAC & Autonomous)
Affiliated to the Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu.
KOVILPATTI – 628 502.

Department of Mathematics (UG)

GPO No.	Programme Outcomes
PO1	Demonstrate a computational ability in solving a wide array of mathematical problems.
PO2	Utilize mathematical skills to solve theoretical and applied problems.
PO3	Identify applications of Mathematics in various disciplines and Society.
PO4	Become successful professionals by demonstrating logical and analytical thinking.
PO5	Provide a systematic understanding of the concepts and theories of Mathematics and enhance career prospects in a huge array of fields.
PO6	To make the students with moral and ethical reasoning and to trigger their self confidence to excel their quality of life.
PO7	To explore the new frontiers of knowledge in Mathematics.

Department of Mathematics (PG)

GPO No.	Programme Outcomes
PO1	To provide the students with knowledge, abilities and insight of Mathematics and computational techniques for getting employability in any field.
PO2	To impart qualitative inputs to the students for CSIR – JRF, GATE and Competitive Examinations.
PO3	To acquire advanced knowledge to pursue higher studies and research.
PO4	To inculcate the students with the knowledge of handling technologies with secure.
PO5	To apply mathematical concept, knowledge and practice in Scientific Research.
PO6	To be academically honest and spiritually inspiring citizens.
PO7	To teach and share Mathematics effectively using various instructional strategies.

Department of Physics

GPO No.	Programme Outcomes
PO1	Gain knowledge about key concepts in various branches of physics.
PO2	Explore the vast scope of physics as both theoretical & experimental science.
PO3	Define basic laws, Concept, able to read analyse and communicate in contuse manner.
PO4	Understand the applications of physics in day to day life.
PO5	Apply theoretical concepts learned to solve problems and acquire the knowledge about latest technological, Mathematical module and computing to describe the Physical world.
PO6	To exhibit laboratory skills learned, able to make measurements in laboratory, analyze the measurement and draw valid conclusion and able to work both independently and are as group.
PO7	Demonstrate professional behaviour, unbiased, follow ethics, promote safe learning and working environment

Department of Chemistry

GPO No.	Programme Outcomes
PO1	understand, demonstrate, analyse and apply the major concepts in all disciplines of Chemistry and will be able to nurture the needs of the industries/ laboratories related to Chemistry and Allied fields.
PO2	understand the basic principle of instruments/equipments used in Chemistry lab, carry out experiments, observe and interpret the results and make necessary inferences/ conclusions and also apply the experimental results to improve the chemical processes.
PO3	explore the vast field of theoretical and experimental Chemistry by employing Scientific knowledge, evidence based scientific approach, scientific inquiry and critical thinking
PO4	demonstrate skills in the safe handling of chemicals, considering their physical and chemical properties including any specific hazards associated with their use.
PO5	follow the ethical principles and responsibilities of a Chemist to serve the Society by following the alternate green routes for Chemical reactions for sustainable development.
PO6	demonstrate a good working knowledge in the use of computers and will be able to increase the core competency by constantly upgrading skills with independent lifelong learning via e-resources
PO7	assimilate chemical information from various sources and present it to an audience both orally and in writing and demonstrate problem solving, decision making and leadership skills and will be able to work in teams.

Department of Botany (UG)

GPO No.	Programme Outcomes
PO1	Students will be able to remember, comprehend, apply, analyze and synthesize the core concepts in botany, like Evolution, Biodiversity, Structure and function, information flow, exchange, and storage, Pathways and transformations of energy and matter.
PO2	Students will develop the ability to apply the process of science- Understand defining characteristics of the process of science; practice the skills of the scientific method. Engage in research projects. Apply quantitative skills to biological problems. Understand the role of uncertainty in science.
PO3	Students will be able to communicate and collaborate within and outside of biology. Tap into the interdisciplinary nature of science.
PO4	Students should understand the relationship between science and society. Evaluate the impact of science on society. Evaluate the ethical implications of science. Explore how science is applied in a social context.
PO5	Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfilment.

Department of Botany (PG)

GPO No.	Programme Outcomes
PO1	Critical Thinking: Ability to engage in independent and reflective thinking in order to understand logic connections between ideas.
PO2	Effective Communication: Development of communication skills for effectively transmitting and receiving information that focuses on acquiring knowledge, problem solving, improving on arguments and theories thereby paving the way for better employability and entrepreneurship.
PO3	Social Consciousness: Acquire awareness towards gender, environment, sustainability, human values and professional ethics and understand the difference between acting, responding and reacting to various social issues.
PO4	Multidisciplinary Approach: Combining various academic disciplines and professional specializations to cross borders and redefine problems in order to explore solutions based on the new understanding of complex situations.
PO5	Subject Knowledge: Acquiring knowledge at a higher level that would help develop the necessary skills, fuel the desire to learn and contribute to the field of expertise thereby providing valuable insights into learning and professional networking with the aim of catering to the local, national and global developmental needs.
PO6	Lifelong Learning: Understanding the necessity of being a lifelong learner for personal enrichment, professional advancement and effective participation in social and political life in a rapidly changing world.

Department of Computer Science (UG)

GPO No.	Programme Outcomes
PO1	Scientific knowledge: Ability to apply mathematics, logic, and statistics to the design, development, and analysis of software systems.
PO2	Problem analysis: Ability to understand, design, and analyze precise specifications of algorithms, procedures, and interaction behavior.
PO3	Design/development of solutions: Ability to design components, systems and/or processes to meet required specifications.
PO4	Conduct investigations of complex problems: Ability to be equipped with a range of fundamental principles of Computer Science that will provide the basis for future learning and enable them to adapt to the constant rapid development of the field.
PO5	Modern tools usage: Ability to demonstrate competence in the practical art of computing in by showing in design an understanding of the practical methods, and using modern design tools competently for complex real-life IT problem.
PO6	The software engineer and society: Ability to develop creative and effective responses to intellectual, professional and social challenges.
PO7	Environment and sustainability: Ability to apply decision making methodologies to evaluate solutions for efficiency, effectiveness and sustainability.

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Department of Electronics

GPO No.	Programme Outcomes
PO1	Ability to apply the knowledge of mathematics & technology in solving problems and conduct Electronics experiments to analyze and interpret data.
PO2	Identify, formulate and analyze various aspects of circuit designing in Electronics.
PO3	Build the capacity to rectify the problems in design and manage Electronic systems.,
PO4	Ability to use techniques, skills and modern technological and scientific software tools for professional practices.
PO5	Ability to communicate effectively in order to provide solutions for the existing problems and propose electronic system designs.
PO6	Work as a team to identify problems in the areas of communication and embedded systems and provide efficient solutions using modern electronics practices.
PO7	Recognize the need for change and engage students in lifelong learning.

Department of Costume Design and Fashion Technology

GPO No.	Programme Outcomes
PO1	Fashion and Textile Knowledge: Adapting fashion and fabric design process knowledge.
PO2	Designing and Developing skill: Assess, propose and apply designing and constructing techniques to develop product prototype.
PO3	Industrial exposure: Relate the design process with Industrial and processing knowledge.
PO4	Value Addition Skill: Promote the design ideas into commercials by articulate the ideas and by applying traditional practices and methods to add value to a product.
PO5	Designing with social awareness: Locate, analyze and synthesize market research and apply the data to delineate the needs of specific market.
PO6	Communication skills: To develop strong multifunctional teamwork and communication skill using visual and verbal presentation.
PO7	Life Long Learning: To engage in life-long learning, understanding of contemporary and emerging issues relevant to their domain.

Department of Information Technology (UG)

GPO No.	Programme Outcomes
PO1	Understand the fundamental concepts of Information Technology.
PO2	Gain knowledge on programming language to construct applications and packages to solve real-world problems using Information Technology concepts
PO3	Develop necessary skills to design digital system and acquire knowledge on computer hardware concepts and its functionality.
PO4	Enhance problem solving techniques, analytical and communication skills, team work and potential to develop software and network management.
PO5	Recognize the social and ethical responsibilities of a professional working in the discipline.
PO6	Create, select, and apply appropriate techniques, resources, and modern computing and IT tools including prediction and modelling to complex scientific activities with an understanding of the limitations.
PO7	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department of Information Technology (PG)

GPO No.	Programme Outcomes
PO1	To develop an understanding and knowledge of the advanced concepts in Information Technology with good foundation on theory, systems and applications.
PO2	Procedural knowledge that creates different types of professionals related to Information Technology, Computer Science, including research and development, teaching and industry, government and public service;
PO3	To acquire necessary and state-of-the-art skills to take up industry challenges.
PO4	The ability to synthesize the acquired knowledge, understanding and experience for a better and improved comprehension of the real-life problems
PO5	Demonstrate subject-related and transferable skills that are relevant to industry and employment opportunities.
PO6	Apply standard Software application practices and strategies in real-time software project development.
PO7	Demonstrate knowledge understanding of the scientific and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Department of Statistics

GPO No.	Programme Outcomes
PO1	Assimilate strong foundation of statistics.
PO2	Involve students in various activities thereby help them apply the moral and ethical standards of statistics in their career.
PO3	Apply the knowledge of statistics, science, arts and management principles to solve the complex problems.
PO4	Gain proficiency in using statistical software for data analysis.

PO5	Assist students in understanding the statistical skills and develop their ability to work both independently and in groups.
PO6	Help students do research projects and apply them for the upliftment for their career and follow social values in their social and personal life.
PO7	Develop language skills by helping them express their ideas and views clearly and effectively.
	To make them familiar with the modern concepts in statistics and engage them in self-regulating and life-long learning in the broadest perspective of hi-tech change.

Department of Commerce (UG)

GPO No.	Programme Outcomes
PO1	Equip the students in getting practical exposure regarding the recent trends in accounting and business practices adopted in the organisations.
PO2	Enhancement in developing the decision-making capability of the students.
PO3	Inculcate students to become an entrepreneur and intrapreneur.
PO4	Nurture the students in coping up with the changing business environment
PO5	Prepare the students to identify, scrutinize and grasp the opportunities available in the business and marketing practices.
PO6	Edify the students to face the contemporary challenges in commerce.
PO7	Initiate the students to adapt the concept of e-commerce in their business entities.

Department of Commerce (PG)

GPO No.	Programme Outcomes
PO1	The students will have conceptual clarity, analytical ability, critical thinking and communication skills with a positive attitude for excellent performance.
PO2	Learners can also acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.
PO3	Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers.
PO4	Ability to develop ethical and value-based leadership ability.
PO5	Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment.
PO6	Engage in independent and life-long learning, especially through MOOCs and other online courses to acclimatize themselves in an ever-changing work environment.
PO7	Create holistically developed graduates ready to meet the challenges of the future domestically and at global level.

Department of Commerce (M.Phil.)

GPO No.	Programme Outcomes
PO1:	Augmenting the capability of analyzing the research problem in different dimensions.
PO2:	Developing the intellectual skills towards exploring all the research aspects.
PO3:	Enhancing in-depth knowledge in exploring the research problem and providing solutions for the research problem.
PO4:	Inculcate the skills and abilities in writing the research proposals in the minds of the researchers.
PO5:	Provoking the researchers' interests in executing their research tasks.
PO6:	Expertise in recognizing the systematic research approach towards the attainment of research objectives.
PO7:	Enhancing the art of writing and publishing research articles in the UGC Refereed and SCOPUS journals.

Department of Business Administration

GPO No.	Programme Outcomes
PO1:	acquire disciplinary knowledge with intellectual breadth.
PO2:	acquire core competencies of business acumen, analytical and critical thinking and employ empirical approach for effective business solutions.
PO3:	access of wide range of technologies and managerial techniques to enhance personal, academic and professional efficiency which leads innovative business ideas.
PO4:	get practical exposure in managerial field through participation in internship, Field work and industrial visits.
PO5:	exhibit entrepreneurial and business related behavioural skills including leadership, inter-personal communication and lifelong learning skills.
PO6:	analyse global Business opportunities and their influence on strategic decisions.
PO7:	familiarize with social responsibilities including business ethics, cultural diversity and environmental concerns.

Department of English (UG)

GPO No.	Programme Outcomes
PO1	Understand literature by analysing various genres like Poetry, Prose, Short Stories, Fiction, Drama etc.
PO2	Facilitate rich knowledge by exploring various literatures and language skills
PO3	Imbibe high sensibility on critical thinking by evaluating the value of literature, literary theories and writings in English globally.
PO4	Develop communication skill through teaching language and literature
PO5	Acquire the knowledge of various cultural practices that exist in the global scenario through literary context to uplift the development of the society
PO 6	Enhance with professional skill for the enrichment of career development by communication practices and soft skills
PO 7	Envision with the skill of creativity by indulging in the activity of framing new vistas of knowledge through literature and language

Department of English (PG)

GPO No.	Programme Outcomes
PO1	Expose to the Historical and Analytical Study of English Literature which aims at giving an in-depth analysis of the literature.
PO2	Understand the major genres of literature, viz., poetry, prose and drama, and also help them relate the principles of literary criticism and theory.
PO3	Foster effective communication skills with the help of language and literary sensibility, through the process of writing and performance skills.
PO4	Nurture the adequate spirit of critical and analytical thinking through extensive reading and writing skills by exposing them to the world literatures.
PO5	Prepare students to meet the recent challenges and expectations from the corporate and government sectors.
PO6	Mould students to use the English language effectively through various processes of oral and written communication not only in the classroom but also in real life situations.
PO7	Enrich the literary and soft skills to carry out the research activities in their respective field and act as a life-long learner.

Department of Commerce (Professional Accounting)

GPO No.	Programme Outcomes
PO 1	Understand the basic concepts and theoretical knowledge used in the different commerce and business related areas like Accounting, Managerial Economics, Taxation, Law of Business, Auditing, Banking, Marketing, E-Commerce etc.
PO 2	Apply the competency and skills acquired in solving the problems related with their field of study during the profession.
PO 3	Acquire the knowledge of business; evaluate the factors influencing the environment and the techniques of managing the business with special focus on accounting and legal compliance.
PO 4	Practice leadership qualities which are required to lead the diverse teams and small groups to achieve the common goals of the organization.
PO 5	Apply apt modes and forms of communication while working in the organization and between different levels of management.
PO 6	Develop practical skills which required to working as tax consultant, audit assistant, other financial and managerial supporting services and will be able to become a successful professional in these fields.
PO 7	Sensitize towards ethical values required for business and societal tie up.