

2.6.1 Programme Outcomes & Programme Specific Outcome

Department of Economics

Programme Outcomes

PO1. Economic knowledge: (a) Price determination of commodities in the market known by the students, (b) The problems of socio, and partial setup of a country.

PO2. Problem Analysis: Price mechanism of market with home as well as abroad.

PO3. Modern Tool usage: Use of alternative techniques quality set and benefit analysis.

PO4. Economic and Society: Through our project the students are explained the importance of input and output ratio on agriculture.

PO5. Ethics: Economic students know the moral responsibility to protect the environment and society.

Programme Specific Outcome

PSO1. Understand the world of economic problem.

PSO2. To identify the rural economic problem.

PSO3. To review the situation after demonetization.

PSO4. Analyze micro economic problems

Department of Commerce

Programme Outcome

PO1. Critical thinking: Commerce students will rise to the occasion to the business world for that they take to be critical thinking. Modern banking course will help them.

PO2. Effective communication: The study of human resource management and office management will help the students for effective communication.

PO3. Social interaction: The business statistics will help the student to interact effectively with society.

PO4. Effective citizenship: Our students are always effective citizen by the way of upholding material integration through various commerce issues.

PO5: Environmental and sustainability.

Programme Specific Outcome

Our students learn how to make environment clean and green. They are very keen in sustainable development in commerce world.

PSO 1: Understand world commercial problem.

PSO 2: To identify the rural economic problem.

PSO 3: To review the situation after demonetization.

PSO 4: Determine commercial variable including office management effective communication.

PSO 5: Understand GST, income tax application, etc.

Department of Mathematics

Programme outcome

PO1: To take informed actions after identifying the students of different category and looking at our ideas, decision and assigned assignments to them according to their ability.

PO2: To train the students how to understand the concept of difficult problems and the methods to solve different types of problems.

PO 3: To motivate the students to read and understand the concepts of theories and problems related to various areas in pure and applied mathematics through text books, e-books and e-journals.

PO 4: Recognize different value systems including our own, understand the moral dimensions of our decisions and accept the responsibility for them.

PO 5: To train the students to understand the environmental problems and to solve it through clean room counseling and group discussions.

Programme Specific outcome

PSO 1: Understand the basic concepts and terminologies of mathematical science.

PSO 2: Analyse the relations between the pure mathematical problems and applied mathematical problems.

PSO 3: Understand the method and techniques related to the subject and implement it to the real life problems.

PSO 4: To motivate the students to develop their skills and ability to face the competitive examinations.

PSO 5:By using different statistical methods they can solve any many social-economic problems.

Department of Physics

Programme Outcome

PO 1: Understand physics concepts in day to day activities.

PO 2: Able to trouble shoot repairs in home appliances.

PO 3: Able to repair electronic equipment.

PO 4: Teach concepts of physics at +2 level.

PO 5: Able to operate OHP, computer, slide projector etc.

Programme Specific Outcome

PSO 1: Understand the basic concept of physics in optics, mechanics properties of matter, modern physics etc.

PSO 2: Perform all experiments and practical of all branches of physics.

PSO 3: Understand the theory and experiment of physics.

PSO 4: Understand the nature of electricity and magnetic behaviour.

PSO 5: Know the trouble shooting of physical instruments.

Department of Chemistry

Programme Outcome

PO 1. To improve the theoretical and practical skills that underpins the various branches of the science of chemistry.

PO 2. To enable the students to understand the different branches of chemistry

PO 3. To make the students to develop the ability to think analytically and solve problems

PO 4. To facilitate the students of under graduate and post graduate programmes which offer them job.

PO 5. To apply the skills and knowledge gained through the subject to real life situations and face competitive examinations with confidence.

Programme Specific Outcome

PSO1. Understand the various physical and chemical concepts of materials and its constituents.

PSO2. Understand the basics of chemical atoms, molecules and compounds formation.

PSO3. Through systematic analysis, the unknown chemicals such as inorganic salts and organic compounds will be identified through systematic procedure.

PSO4. Perform procedures as per laboratory standard in various composition analysis of organic and inorganic constituents.

PSO5. Understand the materials/matter by their chemical characteristics for the day-to-day usages.

Department of Botany

Program outcomes

PO 1: Critical Thinking:

Students are motivated to learn and understand about the basics of plant science. They are able to differentiate a life from an inanimate object by critically analyzing its characteristics and can able to differentiate a plant from an animal. They are motivated to understand and appreciate the diversity of plants and other photosynthetic organisms.

PO 2: Effective Communication:

The students can able to understand the basic concepts of Botany by effective communication using computer, LCD and also to some extent by using OHP and Charts. Black-board and piece of chalk are often used in the communication process. Effective communication is achieved by teaching them in English accompanied by the explanation in their mother tongue (Tamil). They are advised to go through various books and magazines available in the library to understand the concepts.

PO 3: Social Interaction:

The students are asked to interact with each other or in groups to derive at a conclusion about a particular concept in botany. Some controversial topics in botany are given to them to discuss and arrive at a conclusion based on their discussions. For example, placement of Cucurbitaceae under Polypetalae by Bentham and Hooker, whether correct or incorrect, is a topic of interest given to them to discuss and to arrive at a conclusion using their taxonomic knowledge.

PO 4: Effective Citizenship:

One who fulfills properly his/her role as a citizen is good citizenship. A student of Botany could be a good citizen when he/she delivers something to the betterment of the society or to the environment. The students of botany are well inculcated with the importance of nature, the diversity of organisms and their role in maintaining the stability of ecosystem. They are motivated to make the environment more greenish by planting trees. They are instructed about the importance '3Rs' in making the environment clean suitable for healthy living. They are trained to **Reduce** the production of waste by **Reuse** of things. They are also very familiar about **Recycling** of organic wastes by vermicomposting, thereby they can make the environment clean and green for living.

PO 5: Ethics:

A student should know the value of life and also its immediate environment. He/She is vital to human in understanding the role of plants in the ecology of the earth and how human can live compatible with the natural environment. He/She should have a responsibility for contributing to the understanding of mankind's proper relationship with natural botanical resources. A student will strive to use and disseminate his/her knowledge, skills, and training to enhance the well-being of human. Taking in mind, the faculty of Botany is inculcating the students. As per the wishes of the famous Tamil poet "Thiruvalluvar" we want our students to learn thoroughly what they want and live accordingly what they have learnt.

PO 6: Environment and Sustainability:

A life science student knows well about the environment and its importance for the well being of life. He/she is well taught about the environment, its components, action, reaction and coactions. He/she is well informed of environmental issues like pollution, green-house effect and the impacts of global warming. He/she knows well about any marked change in environment will definitely affect the life on this planet. He/she knows well about the sustainable use of environmental resources. A student is aware of all the three pillars of sustainability (Social, Environmental and Economic) out of these, the Environmental sustainability is the most important one. The other two pillars of sustainability are dependent on the greater system they live within, the environment.

PO 7: Self-directed and Life-long Learning:

Each and everyone knows that “knowledge is power”. That is why everyone is in pursuit of knowledge. Learning is a continuous process and acquiring knowledge is known as learning. A student of botany is well taught about the basics of botany. He/she can up-grade his or her knowledge and there by contributing to the development of the society. During this process, He/she has gained knowledge, up-grades the skills, develops the decision making capability, gains the ability to shoulder responsibility and also gains to solve a problem.

Programme Specific outcome

PSO 1: The students are well taught of basic concepts of Botany. They know very well about nature and its importance to living. They are aware of ecosystem, its components, structure and dynamic nature. They can able to explain the core concepts in botany, define about the different branches of Botany. They know about the origin of life on this planet, know about structure of a cell, an organism and their functional relationships. They can able to understand different pathways, transformation of energy, interconnectedness and interactions of living systems.

PSO 2: By studying botany, a student is well aware of an animate body, its characteristics and how to classify it. He/she can be able to differentiate a plant from animal by analyzing its features.

PSO 3: Students of botany are exposed to practical in the laboratory so as to understand the various concepts in taxonomy, physiology, biochemistry etc. By conducting the experiments in the laboratory, they can able to

- Formulate hypotheses
- Design experiments with attention to controls
- Test hypotheses using experiments and observations and
- Interpret and evaluate data

PSO 4: The students are aware of the applications of plant science in plant breeding, seaweed culture, tissue culture, mushroom culture and also the use of locally available plants in curing some common ailments.

Department of Zoology

Programme Outcome

PO 1: To understand the sequential changes from cellular grade of organization to organ grade of organization in development of multicellular organisms.

PO 2: To study the interaction and interdependence among environmental factors and living organism.

PO 3: To understand the functional significance of the various organs and organs system of animals.

PO 4: To discuss the evolutionary significance of the animals, origin of species effects of mutation.

PO 5: To explore the scope for students adopting sericulture as a vocation after their graduation as it is rural based and welfare oriented agro based industry.

Programme Specific Outcome

PSO 1: Elucidation of the importance of taxonomy.

PSO 2: Students know the methods of nomenclature.

PSO 3: Realization of the difference between protozoa and metazoan.

PSO 4: Study the structure functional organization and adaptations of invertebrates.

PSO 5: Understand the economic importance of lower and higher invertebrates.