

**2.6.1. Programme outcomes, Programme specific outcomes and course outcomes for all Programme offered by the institution are stated and displayed on website and communicated to teachers and students.**

**Response:**

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

- Hard Copy of syllabi and Learning Outcomes are available in the departments for ready reference to the teachers and students
- The importance of the learning outcomes has been communicated to the teachers in every IQAC meeting and College Committee meeting
- The students are also made aware of the same through Tutorial meetings
- Workshops have also been conducted for developing the Programme Educational
- Objectives and Learning outcomes at college level The institution is running Under Graduate (B.A, B.sc, B. Com, BBA, BCA) and Post Graduate (M.A, M.Sc., M. Com) courses for the students.

Government Thirumagal Mills College was started with the Departments of Economics and Mathematics. In the academic year 1969, physics and Botany Departments were added. In the subsequent academic years, departments such as Chemistry, Commerce, Computer Science, Master of Computer Applications, English, Tamil History, Bachelor of Business Administration and Zoology were added. The Department of Mathematics and Computer Science offered PG programmes and also became Research department s in the academic year 2012-2013. The college started functioning under shift system serving the marginalized section of the student community since the academic year 2012-2013. In the academic year 2014-15 marked the mile stone in the history of the college, as this year was the Golden Jubilee Celebration year of the college. The college was upgraded as Grade I college in the academic year 2013-2014.

**Department of English  
Programme Outcomes**

- Developing intellectual, personal and professional abilities through effective communicative skills; ensuring high standard of behavioral attitude through literary subjects and shaping the students socially responsible citizens.
- On successful completion of the programme, the students are introduced to communicative skills, to define, classify and understand the methods of communication, to improve their LSRW skills, to enable them to practice those skills in their daily life.

**Programme Specific Outcomes**

- On successful completion of the programme, the students will be accurate both in oral and written communication as they will be strong in Grammar and its usage.

- The students can express a thorough command of English and its linguistic structures.
- The students will be familiar with the textual genres including fiction, non-fiction, poetry, autobiography, biography, journal, plays, editorials etc.

#### Course Outcomes

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

### **Department of Commerce**

#### Programme Outcome

- This programme provide well trained professionals for Industries, Insurance Companies, Transport Agencies, Banking sectors, Financial companies, Warehousing etc. to meet the well trained manpower requirements.
- The graduates will get hands on experience in various aspects acquiring skills for Marketing Manager, Selling Manager, over all Administration abilities of the company.
- It provides students with the knowledge and technical skills in the accounting and financial fields.

#### Programme Specific Outcome

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

#### Course Outcomes

- The student should have a thorough knowledge on the accounting practice prevailing in partnership forms and other allied aspects.
- On the successful completion of this subject the students acquires the knowledge about the various types of business organizations and office management.
- To enable the students to learn principles and concepts of Accountancy.
- The students are enabled with the knowledge in the practical applications of accounting.
- The students should be well versed in the fundamental concepts of auditing, entrepreneur, knowledge in the finance institution, project report incentives and subsidies.

- This course aims to provide an in-depth knowledge on the provisions of Income Tax and to familiarize with recent amendments in Income-Tax.
- To keep the students conversant with the ever-enlarging frontiers of Cost Accounting knowledge.
- The student should be able to work efficiently in MS-PowerPoint and Tally.
- This course enables the students with the knowledge about the Capital budgeting , Working capital, cash management and financial management techniques.
- The student acquires the knowledge in the Management Accounting Techniques in business decision making.
- To understand the nature of human resources and its significance to the organization.

## **Department of Physics**

### **Programme Outcome**

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

### **Programme Specific Outcome**

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

### **Course Outcomes**

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

- To inspire interest for the knowledge of concepts in physical and geometrical physics

### **Department of Chemistry**

#### Programme Outcome

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

#### Programme Specific Outcome

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

#### Course Outcomes

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

### **Department of Botany**

#### Programme Outcome

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

#### Course Outcomes

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

## **Department of Zoology**

### Programme Outcome

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

### Course Outcomes

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

## **Department of Mathematics**

### Course Outcomes

- Demonstrate basic manipulative skills in algebra, geometry, trigonometry and beginning calculus.
- Apply the underlying unifying structures of mathematics and the relationships among them.
- Demonstrate proficiency in writing proofs.
- Investigate and apply mathematics problems and solutions in a variety of contexts related to science, technology, business and industry and illustrate these solutions using symbolic, numeric or graphical methods.
- Students can understand the foundation of Mathematics.
- They are able to perform basic computation in higher Mathematics.
- Students are able to develop problem solving skills
- They are able to communicate Mathematical ideas with others.
- They can enhance the quality of analysis and research in different mathematical fields. Operations research can develop the management quality in different industries and factories.

## **Department of Economics**

### Programme Outcome

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

### Course Outcomes

- Understand the behavior of Indian and world economy.
- To develop the financial literacy for profitable investment.
- To make students aware of the issues of inflation, unemployment, poverty, GDP and Balance of payment.
- To develop the skill to make better decisions in business environment and even in your personal choices.
- To impart the knowledge of Banking, Marketing and different sections of economy so that students will get job opportunities in different economic, financial, banking, marketing and other sections of economy.

- Economists are vital in helping, predict and study responses to changes in policy and market changes, which is an important skill in today's changing business environment.
- Economists also study and help in developing public policies like health care and educational reforms.

### **Department of History**

#### Programme Outcome

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

#### Course Outcomes

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

### Department of Tamil

#### Course Outcomes

- As they are practicing translation from Tamil to English and English to Tamil, they can become translators in many Central Government Offices. They are learning poetry and grammar- so they can become creative writers or poets or authors
- By reading and observing Drama's and one act plays they can become good actors.
- By having good communication skills and command over language one can becomes good speaker. Having good command over particular language one can present himself in better way.
- It will also develop the reading and writing skills of students. It inculcates communication skills as well as ethical and moral values among students.