SAIVA BHANU KSHATRIYA COLLEGE

ARUPPUKOTTAI

PROGRAMME OUTCOMES AND

PROGRAMME SPECIFIC OUTCOMES

The College has clearly stated learning outcomes of the Programmes 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.
- Soft copy of Curriculum and Learning outcomes of Programs are uploaded in the Institutional website.
- The importance of the learning outcomes is communicated to the teachers in every IQAC meeting.
- The learning outcomes are also communicated to the students through the teachers.

DEPARTMENT OF TAMIL	
B.A. TAMIL	
Programme Outcome	This program develops a strong foundation and wider knowledge of the language. It develops Grammar and helps to know the history of literature, culture of Tamil Nadu and Journalism knowledge in students.
Programme Specific Outcome	A candidate after successful completion of B.A. degree in Tamil is able to - develop language and communicative skills. - develop aesthetic sense to appreciate literature and life. - live a purposeful life as reflected through literature. - understand the art involved in writing short stories and novels.
DEPARTMENT OF ENGLISH	
B.A. ENGLISH	
Programme Outcome	This program develops 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.
Programme Specific Outcome	A candidate after successful completion of B.A. degree in English is able to acquire both oral and written communication.

	- learn Grammar and its usage.
	- develop fluency in English.
	- learn its linguistic structures.
	- apply critical frameworks to analyze the linguistic, cultural and historical background of texts written in English.
	- be familiar with the conventions of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, Journal, film, plays, editorials etc.

DEPARTMENT OF HISTORY

B.A. HISTORY

Programme Outcome	This program will develop a comprehensive understanding of the epistemological and methodological distinctiveness of history as a discipline and an ability to reflect on the significance of the influence of other disciplines on the development of historical method.
Programme Specific Outcome	Students who complete B.A. History are expected to emerge with the following knowledge and skills to - learn a basic narrative of historical events in a specific region of the world. - understand and evaluate historical ideas, arguments and points of view. - evaluate competing interpretations and multiple narratives of the past. - gather and assess primary historical evidence. - compile a bibliography.

DEPARTMENT OF ECONOMICS

B.A ECONOMICS

Programme Outcome	The programme provides students a well-found education in Economics. It also prepares the students for employment and further study as Economics. It provides students with the opportunities to pursue courses that emphasize quantitative and theoretical aspects of Economics.
Programme Specific Outcome	A candidate after successful completion of B.A. Degree in Economics is able to have a - Strong foundation for applying demand and supply analysis to examine the impact of Government regulations. - Sound knowledge regarding the formulation of broad economic policies that maximize the level of National income, providing economic growth, full employment, price stability, increasing productivity in the long run.

	• Idea about the systematic development of economic theories beginning from pre-modern and modern era.

DEPARTMENT OF MATHEMATICS

B.Sc. MATHEMATICS

Programme Outcome	This program enables the students to get a relational understanding of mathematical concepts and the ability to analyze a problem, identify and define the computing requirements. It equips the students with mathematical modeling abilities, problem solving skills, techniques and necessary creative talent for various kinds of employment.
Programme Specific Outcome	A candidate after successful completion of B.Sc. degree in Mathematics is able to • think in a critical manner. • formulate and develop mathematical arguments in a logical manner. • acquire knowledge and understanding in different areas of mathematics • understand, formulate and use quantitative models arising in social science, Business and other contexts.

DEPARTMENT OF CHEMISTRY

B.Sc. CHEMISTRY

Programme Outcome	This program enables the student to demonstrate, solve and understand the major concepts in all branches of chemistry, solve the problem by thinking methodically, independently and draw a logical conclusion. It creates an awareness of the impact of chemistry on the environment, society, and development outside the scientific community.
Programme Specific Outcome	A candidate after successful completion of B.Sc. degree in Chemistry is able to • gain the knowledge of Chemistry through theory and practical. • explain nomenclature, stereochemistry, structures, reactivity and mechanism of the chemical reactions. • use modern chemical tools, Models, Chem-draw, Charts and Equipments. • know the structure-activity relationship and understand about good laboratory practices and safety measures.

DEPARTMENT OF ZOOLOGY

B.Sc. ZOOLOGY

Programme Outcome	This program develops competence in basic sciences and in the content of the specific courses that constitute the principal knowledge of their

	degree, acquire the skills in handling scientific instruments, planning and performing in laboratory experiments.
Programme Specific Outcome	A candidate after successful completion of B.Sc. degree in Zoology is able to • develop a broad foundational knowledge of the faunal diversity especially local fauna, pattern of evolution, morphological features, adaptation and classification • analyze the relationship between plants, animals, microbes and deal with the local, national and global environmental issues. • understand the basic concepts in cell biology, biochemistry, genetics, evolution, immunology, statistics and physiology. • understand the application of biological sciences in aquaculture, apiculture, vermiculture and agricultural pest management.
DEPARTMENT OF COMPUTER SCIENCE
B.Sc. COMPUTER SCIENCE
Programme Outcome	This program develops the ability to design, implement, and evaluate a computer-based system, process, component or program to meet desired needs with an understanding of professional, ethical, legal, security, social issues and responsibilities.
Programme Specific Outcome	A candidate after successful completion of B.Sc. degree in Computer Science is able to • implement all theoretical concepts in practical which make a student industry ready.. • become an entrepreneur • go for higher level courses in computer science. • support automation and digitization in all walks of life
DEPARTMENT OF INFORMATION TECHNOLOGY
B.Sc. INFORMATION TECHNOLOGY
Programme Outcome	This program develops the skills and knowledge for appropriate professional positions in information technology, develop the skills in planning, implementing, configuring and maintaining in an organization's computing infrastructure
Programme Specific Outcome	A candidate after successful completion of B.Sc. degree in Information Technology is able to • apply knowledge in mathematics, science fundamentals to solve problems. • design, and analyze precise specifications of algorithms, procedures, and interaction behavior. • apply the technologies in various fields of IT, including Mobile

	applications, Web site development and management, databases, and computer networks.
	• select appropriate techniques to tackle and solve problems in the discipline of information security management.

DEPARTMENT OF PHYSICS

B.Sc. PHYSICS

Programme Outcome	This program develops a conceptual understanding of physics principles and develop the ability to justify and explain their thinking or approach both written and oral.
Programme Specific Outcome	A candidate after successful completion of B.Sc. degree in Physics is able to • acquire core knowledge in Physics, including the major areas of classical mechanics, quantum mechanics, electromagnetism, optics, electronics, modern Physics and microprocessors • realize and develop an understanding of the impact of Physics and Science on society. • develop the proficiency in the acquisition of data using a variety of laboratory instruments and in the analysis and interpretation of such data. • take measurements in a Physics Laboratory and analyze the measurements to draw valid conclusion.

DEPARTMENT OF MATHEMATICS WITH COMPUTER APPLICATION

B.Sc. MATHEMATICS (C.A.)

Programme Outcome	This program develops critical thinking skills to solve problems that can be modeled mathematically, to critically interpret numerical and graphical data, to read and construct mathematical arguments and proofs, to use computer technology appropriately to solve problems.
Programme Specific Outcome	A candidate after successful completion of B.Sc. degree in Mathematics (C.A.) is able to have a • strong foundation for a wide choice of careers and particularly careers requiring problem solving abilities • strong foundation for higher Education in Mathematics. • Sound knowledge required to prepare for competitive examinations for career opportunities. • career related to mathematical sciences or in post -baccalaureate studies.

DEPARTMENT OF COMPUTER APPLICATIONS

B.C.A.

Programme Outcome	This program develops the students as effective professionals in solving real problems through the use of computer science knowledge and with attention to team work, effective communication, critical thinking and problem solving skills. Students will develop professional skills that prepare them for immediate employment and for life-long learning in advanced areas of computer science and related fields.
Programme Specific Outcome	A Candidate after successful completion of B.C.A. degree is able to - understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, application program, database, graphics and networking. - recognize the need for and an ability to engage in continuing professional development. - use current techniques, skills, and tools necessary for computing practice. - function effectively in teams to accomplish a common goal.
DEPARTMENT OF COMMERCE	
B.Com.	
Programme Outcome	This program could provide well trained professionals for the Industries, Banking Sectors, Insurance Companies, Financing Companies and Ware houses to meet the well trained manpower requirements. The graduates will get hands on experience in various aspects acquiring skills for Marketing Manager, Sales Manager and over all Administrative abilities of the Company.
Programme Specific Outcome	A candidate after successful completion of B.Com. degree in Commerce is able to - acquire broad knowledge and technical skills in Commerce and are able to get discipline based solutions relevant to the business. - can apply research skills to solve business challenges. - become effective global citizens who exhibit cross cultural competence. - demonstrate ethical values.
DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATION	
B.Com. (C.A.)	
Programme Outcome	This program develops a deeper understanding of both Computer Application and Commerce, thereby enabling the budding graduates to pursue careers in either of the two fast-growing areas, viz. IT Industry, Commerce, and Financial sector.
Programme Specific	A candidate after successful completion of B.Com. (C.A.) degree is

Outcome	able to • become efficient in office automation with computers and computer software applications. • get hands-on work experience through internship in Corporate Sector.. • go for professional courses like MBA, CA, ICWA, LLB etc., • be a well trained professionals for the technology and allied industries to meet the well trained manpower requirements.
M.A ENGLISH
Programme Outcome	The programme enhances the critical thinking of students. The programme hones the language skills of students by introducing the structure of language through a various literary genres. The programme cultivates the conventions of academic writing in students.
Programme Specific Outcome	By the end of the programme, the students critically interact with works from different perspectives – social, political, cultural, economic, historical and national. The students become thorough with reading works with theoretical sense. The students become capable of interpreting and exploring the uniqueness of language and literature through imagination.
M.A. HISTORY
Programme Outcome	This program will develop a conceptual understanding that enables the student to evaluate critically, scholarly writing in history and to undertake informed source-criticism.
Programme Specific Outcome	Students who complete M.A. History should emerge with the following knowledge and skills to • understand the background of our religion, customs, institutions, administration and so on. • understand the present existing social, political, religious and economic conditions of the people. • respond constructively to debate and criticize. • address specialist and non-specialist audiences with effective oral communication. • identify an area of historical enquiry and engage in independent

	historical research.

M.Sc. MATHEMATICS	
Programme Outcome	This program inculcates critical thinking to carry out scientific investigation objectively without being biased with preconceived notions, equip the student with skills to analyze problems, formulate a hypothesis, evaluate and validate results and draw reasonable conclusions thereof and prepare students for pursuing research or careers in industry in mathematical sciences and allied field.
Programme Specific Outcome	A candidate after successful completion of M.Sc. degree in Mathematics is able to • understand the fundamental axioms in mathematics and enable them to develop ideas based on them. • provide knowledge of a wide range of mathematical techniques and application of mathematical methods/tools in other scientific and engineering domains. • provide advanced knowledge on topics in pure mathematics, empowering the students to pursue higher degrees at reputed academic institutions. • nurture problem solving skills, thinking, creativity through assignments and seminars.

M.Sc. CHEMISTRY	
Programme Outcome	This program develops the knowledge on the basic and advanced level aspects in the different branches of chemistry, improve the analytical and problem solving skills and makes the students suitable for further research work and for teaching fields at higher degree level.
Programme Specific Outcome	A candidate after successful completion of M.Sc. degree in Chemistry is able to • improve their competencies on par with their counterparts in premier institutions across the nation. • become technically sound to handle the advance analytical instruments. • intensify their desire to contribute to the nation in the capacity of chemist or as innovator by taking up research career afterwards. • become well versed in the mechanisms of all types of high level and complicated chemical reactions.

M.Sc. ZOOLOGY	
Programme Outcome	This program develops scientific information through effective formal and informal methods generally used in sciences, develop the competence in basic sciences in the content of the specific courses and improve basic scientific research ability to provide inputs for societal benefits
Programme Specific Outcome	A candidate after successful completion of M.Sc. degree in Zoology is able to - connect and apply biological knowledge to other disciplines and to integrate knowledge into their personal and professional lives. - illustrate zoological science for its application in branches like medical entomology, apiculture, aquaculture and agriculture etc. - understand animal interactions with the environment and identify the major groups of organisms with an emphasis on animals and classify them within a phylogenetic framework. - explain the origin of life with context to the origin of eukaryotic cell and endosymbiotic theory of origin, fossil records.
M.Com.	
Programme Outcome	This program makes the students employable in teaching profession and in corporate sector. The graduates will get hands on experience in various aspects acquiring skills for Marketing Manager, Sales Manager, Bank manager, Cost accountant, Academicians, Project management and Research Analysts.
Programme Specific Outcome	A candidate after successful completion of M.Com. degree in Commerce is able to - have the knowledge, skills and attitudes at the completion of M.Com. degree course. - become Managers, Accountants, Cost Accountants, Bank Managers, Auditors, Company Secretaries, Teachers, Professors, Stock Agents, Government job holders etc. - apply research skill to business challenges. - become effective global citizens who exhibit cross cultural competence and demonstrate ethical values.
M.Com. (C.A.)	
Programme Outcome	This program develops the students to design solutions for economic problems and design software, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.
Programme Specific	A candidate after successful completion of M.Com. (C.A.) degree is

Outcome	able to
	- improve theoretical knowledge and problem solving ability of the students. - acquire good knowledge of Commerce along with basic computer skills required to flourish in their career. - start their own Small Scale software business. - undergo Professional Courses like MBA, CA, ICWA, ICS etc., and also ensures bright future in the IT fields, Software, Banks, Companies, BPOs and KPOs.