A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS),

POONDI-613 503, THANJAVUR

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific outcomes (PSOs) and Course Outcomes (COs) of the Programmes offered by the Institution

PROGRAMME OUTCOMES

PROGRAMME OUTCOMES

DEPARTMENT OF HISTORY

Programme Outcome of B.A. History

PO1   Demonstrate a breadth of training across historical time and space.

PO2   Develop an in-depth understanding of a field, theme or region.

PO3   Demonstrate an historical awareness of the diversity of the human experience across time and space.

PO4   Asses and debate the major historical schools of thought, methodology

PO5   Communicate their arguments in clear and perspective prose.

Programme Outcome of M.A. History

PO1   Students can understand academic history, a concept presented to them in all history classes.

PO2   Students can understand the value of diversity.

PO3   A conceptual understanding that enables the student to evaluate critically, scholarly writing in history and to undertake informed source criticism.

PO4   The ability to reflect deeply on historical knowledge and to demonstrate an awareness of current historical debates.

PO5   The ability to identify an area of historical enquiry and engage in independent historical research.

Programme Outcome of M. Phil. History

PO1   The ability to use a wide range of bibliographical tools to locate and critically evaluate appropriate sources and materials for the advanced study of history.

PO2   The ability to respond constructively to debate and criticism.

PO3   The ability to locate and critically evaluate archival, printed or electronic source materials for the investigation of specific historical question.

PO4   The ability to write and speak in good English, showing an awareness of History as a literary discipline and a develop sense of literary style.

PO5   The ability to engage in independent and extended research within a defined area of historical enquiry.

PO6   Construct and sustain a logical and where possible original argument based on information collected and to present the findings in dissertation form with a recognised historical apparatus.

DEPARTMENT OF ECONOMICS

Programme Outcome of B.A. Economics

PO1   Provide structured curricula which support the academic development of students.

PO2   Provide and adapt curricula that prepare graduates for employment and further study as economists.

PO3   Pursue courses that emphasize quantitative and theoretical aspects of Economics.

PO4   Opportunity to focus on applied and policy issues in Economics.

Po5   Allow the students to choose from a wide range economic specialization.

Programme Outcome of M.A. Economics

PO1   Cultivating cognitive skills required in the job market.

PO2   Familiarity with ICT to thrive in the information age.

PO3   Ability to work individually and as members in a team.

PO4   Acting local while thinking Global.

PO5   Commitment to sustainable development.

Programme Outcome of M.Phil. Economics

PO1   Apply Economic reasoning to study social life.

PO2   Interpret data about the economy.

PO3   Understand the role of theories in economic inquiry.

PO4   Evaluate economic policies from different perspectives.

PO5   Carry out a research project and communicate the insights effectively.

DEPARTMENT OF TAMIL

இளம் இலக்கியம்

PO1   உலகின் பழமையான மொழிகளில் ஒன்றான தமிழ்மொழியில் மாணவர்களுக்கு ஆழ்ந்த அறிவு, விசாலமான பார்வை ஆகியவற்றை மிகுந்த பொறுப்புடன் ஏற்படுத்துதல்

PO2	இலக்கணத்தைப் புரிந்துகொள்ளல், இலக்கிய வரலாறு, சங்க இலக்கியம், நவீன இலக்கியம், தமிழகப் பண்பாடு, நாட்டுப்புறவியல், படைப்பாக்கம் ஆகியவற்றை கற்பித்தல்.
PO3	தமிழ்மொழி அறிவில் காலத்திற்கேற்றவாறு மேம்படல்.

இந்தியப் பண்பாடு

தமிழக சமயங்கள் பற்றி அறிதல்.

PO1	*சமயங்களைப் பற்றி அறிவதால் உண்டாகும் பயன்கள்*
PO2	*சமயங்களைப் பற்றி அறிய வேண்டியதன் அவசியம்*

முதுகலை – தமிழ்

இப்பட்டத்திற்காகப் பயிலும் மாணவர்கள் கீழ்க்கண்ட பயன்களைப் பெறுவார்கள்.

PO1	இலக்கிய அறிவு : தமிழ்மொழியின் அத்தனை இலக்கியத்தையும் படித்தல், நாளுக்கு நாள் அவற்றைப் பயன்படுத்துதல்.
PO2	போட்டித் தேர்வுகள் : போட்டித் தேர்வுகளை எதிர்கொள்ளத் தேவையான அறிவை இந்த பட்டம் பயிலும் மாணவர்களுக்கு வழங்குகிறது.
PO3	தொழில் : வேலை வாய்ப்புப் பெறுவதற்குத் தேவையான கற்பித்தல், செய்தி நிறுவனங்கள், ஊடகம், திரைத்துறை, ஆவணப்படுத்துதல், தனிநபர் மேம்பாடு போன்ற பல்வேறு வகையான வாய்ப்புகளை வழங்குகிறது. பொறுப்பான குடிமகனாக வாழ்வதற்கு உண்டான மனித மதிப்பு, பொதுநலச் சேவையில் ஈடுபடுதல், பொறுப்புணர்வு ஆகியவற்றை ஏற்படுத்துகிறது. நடுநிலையான மனநிலை, திறன்மேம்பாடு ஆகியவற்றில் தழைத்தோங்கல்.

(ஆய்வியல் நிறைஞர்) M.Phil.

PO1	ஆய்வு பற்றிய பொதுக்கருத்துகள் – அதன் அணுகுமுறைகள் – தரமாக எழுதுதல் – மதிப்பிடுதல் ஆகியவற்றை அறிந்து கொள்ளல்.

PO2   உலகளாவிய மற்றும் உள்ளூர் வாழ்க்கைக்குத் தேவையானவற்றை கற்பிக்கும்   திறன், எழுதும் திறன் மற்றும் உரையாடல் திறன்களை மேம்படுத்துதல்.

PO3   தொடர் கற்றலால் வாழ்நாள் முழுவதும் தனிப்பட்ட மற்றும் தொழில் ரீதியில் வலிமைபெறலாம் என்பதைப் புரிந்துகொள்ளுதல்.

DEPARTMENT OF ENGLISH

Programme Outcome of B.A. English

PO1   Enhance personal intellectual skills through language and literature.

PO2   Gain awareness about the best literary traditions of the world connected with the way of the world.

PO3   Reading expand their range of experience and the accomplished reading habit help them to achieve Universal attitude.

PO4   Acquire effective communication skills – listening, speaking, Reading and writing.

PO5   Obtain the ability to enunciate their ideas distinctly.

PO6   Realise their duty social values and appreciate culture, integration linked to the well being of the society.

PO7   Seek employment in the preferred field of interest.

PO8   Show proficiency in professional employability and soft skills required for higher education and placements..

Programme Outcome of M.A. English

PO1   Understand the value and Quality of literature.

PO2   Implement the mine of information about language and literature to the solution of complicated problems in professional ethical and personal life.

PO3   Acquire competence in communication and presentation skills to become employable.

PO4   Attain analytical and Interpretative skills.

PO5   Critically review research literature and pursue socially relevant research to solve problems.

PO6   Understand and appreciate professional ethics and become reliable citizens.

PO7   Comprehend to resolve social, economic human rights issues faced by humanity.

Programme Outcome of M. Phil. English

PO1   Identify, formulate, review research and pursue relevant research.

PO2   Engage in interdisciplinary research.

PO3   Formulate solutions for complex problems through high impact.

PO4   Engage in research devoid of plagiarism and develop original ideas and approaches.

PO5   Develop a spirit of critical and scholarly enquiry for the subject.

PO6   Incorporate the sources into documental academic writing.

DEPARTMENT OF COMMERCE

Programme Outcome of B.Com. Commerce

PO1   Acquire skills at marketing, selling and overall administration abilities of the company.

PO2   Opportunities Banking Sectors, Insurance Companies, Financing companies, Transport Agencies, Warehousing, etc.,

PO3   Emerge Well-trained professionals in the field of requirements.

Programme Outcome of B.Com. Bank Management

PO1   Make decisions at a personal and professional level.

PO2   Students can independently start up their own business.

PO3   Gain specializations in Accounting, costing, banking, and finance

Programme Outcome of B.Com. Computer Application

PO1   Prove themselves in different professional exams like C.A., C.S, CMA, as well as other courses.

PO2   Learn relevant Advanced accounting career skills, applying both quantitative and qualitative knowledge.

PO3   Pursue research in the field of finance and commerce.

Programme Outcome of M.Com. Commerce

PO1   To acquaint with conventional as well as contemporary areas in the discipline of Commerce.

PO2   To enable a student to procure national as well as international trends in Commerce.

PO3   To enable the students to manage business, accounting, and auditing practices, in corporate and financial sectors.

PO4   Gain in-depth understanding of Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology, and Tax planning.

PO5   Source of inspiration equip them for competitive exams.

PO6   Pursue research in their chosen areas.

Programme Outcome of M. Phil. Commerce

PO1 Infusing research flair among scholars by developing their research aptitude.

PO2 Provide extensive and in-depth knowledge on the subject of specialization.

PO3 To inculcate the problem-solving and decision-making skills necessary to execute their day to day professional &Social responsibilities.

PO4 Capable to carry out Quality Research independently.

PO5 Able to understand subjects clearly and communicate effectively making them an ideal choice for occupying academic positions.

PO6 Able to identify, analyze and think critically to solve complex business problems.

DEPARTMENT OF MATHEMATICS

Programme Outcome of B.Sc. Mathematics

PO1 Gain thorough knowledge all gives ulmost confidence to appear for competitive examinations conducted by TNPSC/UPSC/BSRB.

PO2 Learn need based computer courses enable them to solve computer oriented numerical problems.

PO3 Abstract courses and mathematical structures includes enable the students to prepare themselves for higher education leading to M.Sc./MCA degree courses.

Programme Outcome of M.Sc. Mathematics

PO1 Carryout knowledge in pure and applied mathematics.

PO2 Equips the students to face modern challenges in mathematics.

PO3 Gain a thorough knowledge in preparing themselves for the CSIR and SET examinations.

Programme Outcome of M. Phil. Mathematics

PO1 This course improves the standards of research.

PO2 Gaining thorough research knowledge in pure and applied mathematics.

PO3 The mathematical curriculum offers a number of practical exposures which equips the students to face the research challenges in Mathematics.

DEPARTMENT OF PHYSICS

Programme Outcome of B.Sc. Physics

PO1 Undergraduate students acquire the capability of appropriately transfer and apply the knowledge of basic concepts and principles of various branches of Physics.

PO2 Translate physical descriptions into mathematical equations and vice versa

PO3 Understand and appreciate the physical meaning of mathematical equations representing physical systems, represent and describe key aspects of physical states and systems through graphs and diagrams

PO4   **Solve problems using arguments based on the geometry of the systems.**

PO5   **Acquire analytical and logical skills to solve problems in various branches of Physics, in higher studies.**

PO6   **Acquire the ability to be independent learners, embracing real-time changes in the socio-technological scenario and promoting continuous improvement of the knowledge and skills needed for employment and personal development.**

Programme Outcome of M.Sc. Physics

PO1   **Acquire an in-depth knowledge of the fundamental theoretical concepts and experimental methods of measurement and characterization of physical quantities and systems.**

PO2   **Acquire competency to engage themselves in self-guided and continuous learning, promoting professionalism and personal development.**

PO3   **Acquire laboratory skills to carry out experiments make observations, analyze and interpret the results and make valid conclusions.**

PO4   **Acquire the acumen to combine various academic disciplines and professional specializations across borders to redefine problems and explore solutions based on the understanding of the complex situation.**

PO5   **Acquire knowledge that help to develop necessary skills in them and recognize the need for preparation and ability to engage in independent and continuous learning, in the broader context of scientific advancements and technological developments.**

Programme Outcome of M.Phil. Physics

PO1   The opportunity to expand the student's knowledge of their research   area, including its theoretical foundations and the specific techniques used to study it.

PO2   Originality in tackling and solving problems and developed the ability to   critically evaluate research techniques and methodologies.

PO3   Knowledge of literature and a comprehensive understanding of scientific   methods and techniques applicable in their field of research.

DEPARTMENT OF CHEMISTRY

Programme Outcome of B.Sc. Chemistry

PO1   To provide the students a comprehensive understanding about the fundamentals of chemistry covering all the principles and perspectives.

PO2   Expose the diversified aspects of chemistry where the students experience a broader outlook of the subject.

PO3   Discretely classified to give stepwise advancement of the subject knowledge right through the three years of the term.

Programme Outcome of M.Sc. Chemistry

PO1   Demonstrate and apply the fundamental knowledge of the basic principles in various fields of Chemistry.

PO2   Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution.

PO3   Apply knowledge to build up small scale industry for developing endogenous product.

Programme Outcome of M.Phil. Chemistry

PO1   Communicate scientific information in a clear and concise manner both orally and in writing.

PO2   Apply the knowledge to develop the sustainable and eco-friendly technology in industrial chemistry.

PO3   Develop a research culture and implementation of the policies to tackle the burning issues at local and global level.

DEPARTMENT OF BOTANY

Programme Outcome of B.Sc. Botany

PO1   Understanding of plant diversity and its importance in the maintenance of ecological balance.

PO2   Apply the knowledge of basic science , life sciences and fundamental process of plants.

PO3   Apply the knowledge gained from the studies for the upliftment of society.

Programme Outcome of M.Sc. Botany

PO1 Access the primary literature, identify relevant works for a particular topic and evaluate the scientific content of these works.

PO2 Compare and contrast the characteristics of the different groups of plants.

PO3 Relate the physical features of the environment to the structure of populations, communities and ecosystems.

Programme Outcome of M.Phil. Botany

PO1 To provide an insight into the bioinformatics tools that aid in the analysis of biological data.

PO2 To familiarise with physiological and environmental analytical techniques.

PO3 To provide an in-depth understanding of various tools and techniques of research and their applications.

Programme Outcome of M.Sc. Microbiology

PO1 Get ability to apply the process of science by formulating hypotheses and design experiments based on the scientific method.

PO2 Analyze and interpret results from a variety of microbiological methods.

PO3 Identify credible scientific sources to interpret and evaluate the evidences.

Programme Outcome of M.Phil. Microbiology

PO1 It enhances the analytical skill of the students and harbor great confidence in them.

PO2 Communicate effectively with scientific community and with society at large.

PO3 Recognize and integrate life – long learning skills to become pro active in personal and professional live.

DEPARTMENT OF ZOOLOGY

Programme Outcome of B.Sc. Zoology

PO1 Improve positive attitude towards ecological development.

PO2 Understand the unity of life with the rich diversity of organisms and their ecological and evolutionary significance.

PO3 Students gain knowledge and skill in the fundamentals of animal sciences, understands the complex interactions among various living organisms.

PO4 Correlates the physiological processes of animals and relationship of organ systems.

PO5 Understand environmental conservation processes and its importance, pollution control and biodiversity and protection of endangered species.

PO6 Gain knowledge of Agro based Small Scale industries like sericulture, fish farming and vermicompost preparation.

Programme Outcome of M.Sc. Zoology

PO1   Enable the learners to take accreditation of Master's degree in Zoology.

PO2   Equipped with an in-depth knowledge in the area of Zoology.

PO3   Enable them to specialize in one of the branches of Zoology that would be offered as elective courses.

PO4   Opportunities of ongoing education and professional development.

PO5   Expand the scope of the learners for careers in different sectors of occupation.

PO6   Qualify the students to avail career opportunities in teaching, industry and research.

Programme Outcome of M.Sc. Biotechnology

PO1   Equipped with an in-depth knowledge in the area of Biotechnology.

PO2   Understands about various concepts of biotechnology and its importance in human health.

PO3   Apply the knowledge of internal structure of cell, its functions in control of various metabolic functions of organisms.

PO4   Opportunities of continuing education, research and professional development.

PO5   Apply the knowledge of internal structure of cell, its functions in control of various metabolic functions of organisms.

PO6   Enable the students to avail career opportunities in teaching, industry and research.

Programme Outcome of M.Phil. Zoology

PO1   **Apply the knowledge of various branches of Zoology and General biology.**

PO2   **Analyse complex interactions among the various animals of different phyla, their distribution and their relationship with the environment.**

PO3   **Acquire basic skills in nature, biological techniques, molecular experimental skills and scientific investigation.**

PO4   **Cultivating a generation with Scientific Ethics and Temper.**

DEPARTMENT OF COMPUTER SCIENCE

Programme Outcome of B.Sc. Computer Science

PO1   **Apply knowledge of computing and mathematics appropriate to the discipline.**

PO2   **Identify, formulate, and develop solutions to computational challenges.**

PO3   **Design, implement, and evaluate a computational system to meet desired needs within realistic constraints.**

PO4   **Function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.**

PO5   **Understand professional, ethical, legal, security, and social issues and responsibilities for the computing profession.**

PO6   **Communicate and engage effectively with diverse stakeholders.**

PO7   **Analyze impacts of computing on individuals, organizations, and society.**

PO8   **Recognition of the need for and ability to engage in continuing professional development.**

PO9   Use appropriate techniques, skills, and tools necessary for computing practice.

PO10   Apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems

Programme Outcome of B.C.A.

PO1   Understand the fundamental concepts of Computer, Business environment and IT Applications in Business.

PO2   Successfully understand &analyze technical data to reach actionable conclusions, including technological solutions to the business.

PO3   Learn technologies & IT languages, so the business problems could be addressed.

PO4   Develop competent technical writing skills so as to enable the graduate to communicate business ideas to senior management and general public.

PO5   To identify and sharpen their IT/ programming skills.

Programme Outcome of M.Sc. Computer Science

PO1   Communicate computer science concepts, designs, and solutions effectively and professionally.

PO2   Apply knowledge of computing to produce effective designs and solutions for specific problems.

PO3   Identify, analyse, and synthesize scholarly literature relating to the field of computer science.

PO4   Use software development tools, software systems, and modern computing platforms.

PO5 Understand of professional, ethical, legal, security and social issues and responsibilities.

PO6 Capable of evaluating personal and professional choices in terms of codes of ethics and ethical theories and understanding the impact of their decisions on themselves, their professions, and on society.

PO7 Apply design and development principles in the construction of software systems of varying complexity.

Programme Outcome of M.C.A.

PO1 Acquire knowledge of Computing Fundamentals, Basic Mathematics, Computing Specialization, and Domain Knowledge of proper computing models from defined problems.

PO2 Identify, invent, research activities to provide solutions for complex computing problems using fundamental concepts of Mathematics, Computing Science and Relevant Domains.

PO3 Design and develop a solution for complex problems in domains like Banking, Insurance, Healthcare Systems and Multimedia and Mass Communications.

PO4 Apply Research based knowledge and methodologies to design, analyze and interpretation of data and find the solutions for complex problems by applying right tools.

PO5 Confidence for self and continuous learning to improve knowledge and competence as a computing professional.

PO6 Adapt and apply modern computing tools to analyze and resolve problems.

PO7 Understand professional ethics and Cyber regulations and develop the youth with social commitments.

Programme Outcome of M.Sc. Information Technology

PO1   **Apply the fundamental knowledge of information technology along with analytical, problem-solving and designing.**

PO2   **Provide communication skill for life-long learning in chosen field.**

PO3   **Identify, Analyze and provide the solution for emerging real world problems with the help of theoretical and practical understanding of tools and technologies.**

PO4   **To cultivate professionalism, ethics, and aesthetic to become competent leader to serve the community.**

PO5   **Prepare the student for higher studies, research and development and social up-liftment.**

PO6   **Develop skills to work and recognize themselves as an individual and as a team player.**

Programme Outcome of M. Phil. Computer Science

PO1   **It ensures a scholar for basics at research in Computer Science.**

PO2   **It prepares a scholar for higher level research in Computer Science.**

PO3   **It puts a good grounding on theoretical Computer Science.**

DEPARTMENT OF PHYSICAL EDUCATION

Programme Outcome of B.Sc. Physical Education

PO1   **Prepare highly competent and skilled leaders in the field of physical education and sports.**

PO2   **Provide excellent facilities for the up-liftment of physical education and sports in the state and country and to serve as a model institute.**

PO3 Create respectful student who value their health and fitness also practice healthful activates throughout their life.

PO4 Promote inter-disciplinary research in the field of Physical Education, yoga and traditional sports.

DEPARTMENT OF STATISTICS

Programme Outcome of B.Sc. Statistics

PO1 The B.Sc. Statistics students after the completion of the course will gain a thorough knowledge in preparing competitive examinations conducted by TNPSC/UPSC/BSRB.

PO2 The UG curriculum offers need based computer courses which enable the students to solve computer oriented statistical problems and expert in SPSS.

PO3 Abstract courses includes in the UG program enable the students to prepare themselves for higher education leading to M.Sc. degree courses.

PO4 On completion of the program the students are well poised to pursue careers in academia, industry and the other areas of Statistics.

DEPARTMENT OF GEOGRAPHY

Programme Outcome of B.Sc. Geography

PO1 Demonstrate, solve and an understanding of major concepts in all disciplines of Geography.

PO2 Study the types of land and processes.

PO3   **Understand the structure, composition of different spheres of the earth and its atmosphere.**

PO4   **Understand importance of oceans, rivers and water and find the ways of their conservation.**

PO5   **Understand the Function and types of Biogeography.**

PO6   **Understand the science of Remote Sensing.**

PO7   **Demonstrate knowledge of the foundations and theories of geographic information systems (GIS) and use the tools and methods of GIS.**

PO8   **Demonstrate their knowledge of physical geography and the methods and techniques for observing, measuring, recording and reporting on geographic phenomena.**

PO9   **Create an awareness of the impact of Geography on the environment, society, and development outside the scientific community.**

PO10   **To inculcate the scientific temperament in the students and outside the scientific community.**

DEPARTMENT OF MANAGEMENT STUDIES

Programme Outcome of B.B.A.

PO1   **Understanding Business Functions.**

PO2   **Providing Global Perspectives.**

PO3   **Developing Critical and Analytical Thinking Abilities.**

PO4   **Interpersonal Skill Development.**

PO5   **Creating Social Sensitivity and Understanding CSR, Ethical and Sustainable Business Practices.**

PO6   **Demonstrate sensitivity to social, ethical and sustainability issues.**

Programme Outcome of M.B.A.

PO1   Demonstrate the knowledge of management science to solve corporate problems using limited resources.

PO2   Identify business opportunities, design and implement innovations in work space.

PO3   Apply ethical principles for making judicious managerial decisions.

Programme Outcome of M. Phil. Management

PO1   Communicate effectively with various stakeholders.

PO2   Engage in independent and life long learning.

PO3   Research literature and analyze management research problems.

Department of Library and Information Science

Programme Outcome of M.L.I.S.

PO1   Explain, analyse and interpret professional and scholarly literature, research data and information resources.

PO2   Identify and explore opportunities to engage in experiential learning.

PO3   Evaluate and demonstrate the effectiveness of user – centered information systems.