

Department of Tamil

Programmes: B.A. Tamil, M.A. Tamil, M.Phil. Tamil

Vision and Mission of the Department

நோக்கு (Vision)

• தரமானதமிழ்க்கல்வியின்வழித்தமிழ்மொழிஉணர்வும்கலை, இலக்கியதிறனாய்வுப்பார்வையும்சமூகஅக்கறையும்மானுடவிழுமியங்களைப்போற்றும்எண்ணமும்வாழ்வைஎதிர்கொள்ளும்ஆற்றலும்கொண்டதிறன்மிக்கசிறந்தஇளையசமுதாயத்தைஉருவாக்கல்.

இலக்கு (Mission)

- தரமானதமிழ்க்கல்வியின்வழித்தமிழ்மொழியில்ஆளுமையும், தமிழரின்கலைஇலக்கியவடிவங்களைத்திறனாய்வுமுறையில்அணுகும்பார்வையும்கைவரப்பெற்றஆற்றல்மிக்கஇளையமாணவர்களைஉருவாக்குதல்.
- தமிழ்ஆய்வுக்களத்தில்அறிமுகநிலையிலானஆய்வுகளைச்செய்யும்வகையில்மாணவர்களைத்தயார்ப்படுத்துதல்.
- தமிழுக்கும்- வரலாறு, தத்துவம், தொல்லியல், நாட்டுப்புறவியல், இசை, ஊடகவியல்உள்ளிட்டபிறதுறைகளுக்குமானதொடர்புகளைப்புரிந்துகொள்ளும்வகையில் பிறதுறைகள்சார்ந்தஅடிப்படைகளைப்பயிற்றுவித்தல்.
- காரணகாரியதொடர்புடன்சிந்திக்கும்ஆற்றலைவளர்க்கும்வகையிலும்படைப்பாகத்திறனைத்தூண்டும்வகையிலும்பயிற்சிகள்அளித்தல்.

B.A. Tamil

Programme Educational Objectives (PEOs)

- PEO1 தமிழ்இலக்கியப்புலமையும்இலக்கணஅறிவும்வாய்க்கப்பெற்றவர்களாக த்தமிழ்மாணவர்களைத்தயார்படுத்துதல்
- PEO2 படைப்பார்வம்மிக்கவர்களாக,
இலக்கியவிமர்சகர்களாகத்திகழும்படிச்செய்தல்
- PEO3 தமிழைச்சிறந்தமுறையில்கற்பிக்கும்ஆசிரியச்சமூகத்தைஉருவாக்குதல்
தமிழியல்சார்ந்தஆய்வுகளைமேற்கொள்ளும்நிலைக்குக்கொண்டுசெல்லுதல்.
- PEO4 தமிழ்இலக்கியம், தமிழ்மொழி,
தமிழ்ப்பண்பாடுமுதலியவற்றின்சிறப்புகளைஉலகளாவியநிலையில்கொண்டுசேர்க்கும்பணிகளைமேற்கொள்ளச்செய்தல்.
- PEO5

Programme Specific Outcomes (PSOs)

- PSO1** தமிழ்இலக்கியங்கள்மற்றும்இலக்கணங்களின்மரபுகள், செல்நெறிகள், எடுத்துரைப்புஆகியனகுறித்தஅடிப்படைஅறிவு.
- PSO2** தமிழ்இலக்கியம்மற்றும்இலக்கணவகைமைகள்குறித்தும்அவற்றின்தோற்றக்காரணிகள்குறித்ததுமானஅடிப்படைப்புரிதல்.
- PSO3** மொழிஆளுமையைவளர்ப்பதன்வழிஊடகத்துறையில்பணிவாய்ப்பு, போட்டித்தேர்வுகளைஎதிர்கொள்ளும்திறன்.
- PSO4** தமிழ்ப்பண்பாடுமற்றும்கலைவடிவங்கள்குறித்தவரலாற்றுப்புரிதல்.
- PSO5** வரலாறு, தத்துவம், தொல்லியல், கல்வெட்டியல், நாட்டுப்புறவியல், ஊடகவியல்உள்ளிட்டபிறதுறைகளோடுதமிழுக்குஇருக்கும்தொடர்பினைப்தெளிதல்.

M.A. Tamil

Programme Educational Objectives (PEOs)

- PEO1** தமிழ்இலக்கியப்புலமையும்இலக்கணஅறிவும்வாய்க்கப்பெற்றவர்களாகத்தமிழ்மாணவர்களைத்தயார்படுத்துதல்
- PEO2** படைப்பார்வம்மிக்கவர்களாக, இலக்கியவிமர்சகர்களாகத்திகழும்படிச்செய்தல்
- PEO3** தமிழைச்சிறந்தமுறையில்கற்பிக்கும்ஆசிரியச்சமூகத்தைஉருவாக்குதல்
- PEO4** தமிழியல்சார்ந்தஆய்வுகளைமேற்கொள்ளும்நிலைக்குக்கொண்டுசெல்லுதல்.
தமிழ்இலக்கியம், தமிழ்மொழி,
- PEO5** தமிழ்ப்பண்பாடுமுதலியவற்றின்சிறப்புகளைஉலகளாவியநிலையில்கொண்டுசேர்க்கும்பணிகளைமேற்கொள்ளச்செய்தல்.

Programme Specific Outcomes (PSOs)

- PSO1** தமிழ்இலக்கியங்கள்மற்றும்இலக்கணங்களின்மரபுகள், செல்நெறிகள்குறித்தஆழமானப்புரிதல்.
- PSO2** தமிழ்இலக்கியம்மற்றும்இலக்கணவகைமைகள்குறித்தஆழமானதெளிவு.
- PSO3** தமிழ்மரபின்தனித்தஅடையாளமானசைவசித்தாந்தம்எனும்மெய்யியலைத்தெரிந்துகொள்ளல்.
- PSO4** தமிழுக்கும்பிறகலைவடிவங்களுக்குமானதொடர்பினையும்தமிழுக்கும்பிறதுறைகளுக்குமானதொடர்பினையும்புரிதல்.
- PSO5** தமிழ்இலக்கிய, இலக்கணக்களங்களில்அறிமுகநிலையிலானஆய்வுகளைமேற்கொள்ளும்திறன்.

Programme Educational Objectives (PEOs)

- PEO1 தமிழ்இலக்கியப்புலமையும்இலக்கணஅறிவும்வாய்க்கப்பெற்றவர்களாகத்தமிழ்மாணவர்களைத்தயார்படுத்துதல்
- PEO2 படைப்பார்வம்மிக்கவர்களாக, இலக்கியவிமர்சகர்களாகத்திகழும்படிச்செய்தல்
- PEO3 தமிழைச்சிறந்தமுறையில்கற்பிக்கும்ஆசிரியச்சமூகத்தைஉருவாக்குதல்
- PEO4 தமிழியல்சார்ந்தஆய்வுகளைமேற்கொள்ளும்நிலைக்குக்கொண்டுசெல்லுதல்.
- PEO5 தமிழ்இலக்கியம், தமிழ்மொழி, தமிழ்ப்பண்பாடுமுதலியவற்றின்சிறப்புகளைஉலகளாவியநிலையில்கொண்டுசேர்க்கும்பணிகளைமேற்கொள்ளச்செய்தல்.

Programme Specific Outcomes (PSOs)

- PSO1 தமிழ்இலக்கிய, இலக்கணமரபுகள்குறித்தஆய்வுநோக்கிலானபுரிதல்.
- PSO2 தமிழ்இலக்கியம்மற்றும்இலக்கணவகைமைகள்குறித்தஆய்வுப்பார்வை.
- PSO3 தமிழ்இலக்கிய, இலக்கணக்களத்தில்மேற்கொள்ளப்பட்டஆய்வுப்போக்குகள்குறித்தபுரிதல்.
- PSO4 தமிழியல்ஆய்வுக்குரியநெறிமுறைகள், அணுகுமுறைகள்ஆகியனபற்றியபுரிதல்.
- PSO5 சமகாலத்திற்குத்தேவையானதமிழாய்வினைமேற்கொள்ளல்.

Department of English

Programmes: B.A. English, M.A. English, M.Phil. English

Vision and Mission of the Department

Vision:

To provide a holistic education that would empower our students with critical thinking, communicative competency, ethical reasoning, social responsibilities and employability.

Mission:

Sensitizing our learners to language, literature and life

B.A. English

Programme Specific Outcomes (PSOs)

On the successful completion of this program the learners of B.A., English Literature will be able to

- PSO1 Familiarise themselves with the aesthetic sense through various genre of literature.
- PSO2 Acquire the knowledge of the chronological ordering of age-wise growth and development of English literature.
- PSO3 Equip themselves with the literatures of the world and literatures in English.
- PSO4 Enumerate a codified – linguistic approach to the teaching of English language.
- PSO5 Sensitise themselves to the subtleties of sensing the themes and structures of various genres of literature.

Programme Specific Outcomes (PSOs)

- PEO1 To equip themselves with the basic knowledge about language skills and literature.
- PEO2 To become skilled- learners with a background of specific knowledge about literature.
- PEO3 To specialize in identifying various genres of literature.
- PEO4 To attain the skills for preparing competitive examinations.
- PEO5 To apply the overall knowledge of becoming skill based language trainers.

M.A. English

Programme Specific Outcomes (PSOs)

On the successful completion of this program the learners will be able to

- PSO1 Comprehend the linguistic ambience of the syllabi with a fine-tuned approach to the age-wise growth and development of English literature.
- PSO2 A pragmatic approach to the growth and development of English language is established.
- PSO3 Theory oriented analysis of various genres of literature is acquired with an applied sensibility and accrued sensitivity.
- PSO4 A panoramic vision of understanding of world literatures in English and translations is learnt and appreciated.

Job- based, skills developed and functional – oriented learning outcome is guaranteed through multiplex skills; utilisation of a well-planned lesson plan for seminars is emphasised.

Programme Specific Outcomes (PSOs)

- PEO1 To apply the mastery of language and literature.
- PEO2 To become learners with entrepreneur skills.
- PEO3 To attain the level of specialized learners of language.
- PEO4 To attain the status of masters of various specific language structures.
- PEO5 To update themselves with current changes in English language and world literatures.

M.Phil. English

Programme Specific Outcomes (PSOs)

On the successful completion of this program the learners will be able to

- PSO1 Comprehend the linguistic ambience of the syllabi with a fine-tuned approach to the age-wise growth and development of English literature.
- PSO2 A pragmatic approach to the growth and development of English language is established.
- PSO3 Theory oriented analysis of various genres of literature is acquired with an applied sensibility and accrued sensitivity.
- PSO4 A panoramic vision of understanding of world literatures in English and translations is learnt and appreciated.
- PSO5 Job- based, skills developed and functional – oriented learning outcome is guaranteed through multiplex skills; utilisation of a well-planned lesson plan for seminars is emphasised.

Programme Specific Outcomes (PSOs)

- PEO1 Attain research oriented positions and apply various methods of research.
- PEO2 Become scholar- critics with a well- background ideological and theoretical positions and enable themselves to apply different criticism and theories to various authors.
- PEO3 Able to identify the current changing scenario of English research methodology.
- PEO4 Equip themselves with a highly developed knowledge about theories and their applications in disciplined ways.
- PEO5 Attain the status of writing dissertations and research articles with specific field based knowledge.

Department of Economics

Programmes: B.A. Economics, M.A. Economics, M.Phil. Economics

Vision and Mission of the Department

Vision

- To render quality education in Economics in order to produce generations of mentally agile, intellectually sharp and employable graduates

Mission

- To provide a comprehensive set of courses in Economics that enhances the understanding, depth of knowledge and competency of the students.
- To provide an academic ambience that fosters the development of vocabulary, effective and written communication abilities.
- To prepare the students to understand the complex economic mechanism that characterizes modern society.
- To equip the students for research and teaching position in economics.

B.A. Economics(Tamil Medium & English Medium)

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

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|--------------|--|
| PEO 1 | Identify the economic principles that help to explain behaviour of the institutions that affect the allocation of resources. |
| PEO 2 | Competent to use economic analysis to solve problems and answer questions that arise in the private and public sectors |
| PEO 3 | Capable to communicate economic reasoning in a professional setting. |
| PEO 4 | Ability to employ statistical methods and software in the analysis of economic data and models in the professional career. |
| PEO 5 | Capacity for self improvement which satisfies the societal needs and ultimately paving way for national building. |

Programme Specific Outcomes (PSOs)

On the successful completion of B.A., Economics the students will

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|--------------|---|
| PSO 1 | Outline the basic premise of economic science and to provide economic principles, models and methods. |
| PSO 2 | Interpret the methods of economic analysis in relation to human behavior and social phenomena. |
| PSO 3 | Demonstrate the economic issues and problems faced by individuals, organizations and society. |
| PSO 4 | Apply methods in the analysis of economic data and models. |
| PSO 5 | Analyse the policy issues in Economics concerning contemporary society |

M.A. Economics

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO 1** Capable of enhancing their knowledge of classical and modern economics.
- PEO 2** Apply the knowledge of economic principles, quantitative techniques , empirical methods to analyse economic problems
- PEO 3** Understand the social science research and undertake research projects in Economics
- PEO 4** Analyse the relevant economic literature, concretise economic problems and evolve the connection between theory and empirical conditions.
- PEO 5** Enhance the skills for getting employment in academic and other institutions.

Programme Specific Outcomes (PSOs)

On the successful completion of M.A., Economics the students will

- PSO 1** Comprehend the advanced economic concepts and principles.
- PSO 2** Identify the fundamental principles and models of modern economics in detail.
- PSO 3** Expand in-depth competency in the core areas of theoretical and applied economics.
- PSO 4** Capable to apply quantitative methods in policy making
- PSO 5** Solve the economic and social problems through modern economic models.

M.Phil. Economics

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO 1** Encompass a deep mastery of the subject area
- PEO 2** Organize to pursue a doctorate in economics
- PEO 3** Competent to describe and critique economic research to both technical and non-technical audiences.
- PEO 4** Identify with current events and evaluate specific policy proposals and to reach different conclusions to a specific economic problem.
- PEO 5** Organized for employment in academic and/or non-academic institutions.

Programme Specific Outcomes (PSOs)

On the successful completion of M.Phil., Economics the students will

- PSO 1** Forecast the future course of changes and development through their knowledge of policies and programmes.

- PSO 2** Compute and assess the real situation of the economy including the size and changes of population, income pattern, employment and policies in relation to our countries.
- PSO 3** Familiar with the knowledge and application of microeconomics and macroeconomics for the formulation of policies and planning.
- PSO 4** Develop skills in analyzing different statistical measures, interpreting test results and interpretation of data through graph and statistic technique
- PSO 5** Solve the economic and social problems through modern economic models.

Department of Business Administration

Programmes: B.B.A., M.A., HRM, M.Phil. Management

Vision and Mission of the Department

Vision:

To serve the society by providing affordable world class management education to all at all times.

Mission:

To provide an academic ambience that ensures acquisition of knowledge and business skills through student, teacher synergy resulting in holistic development, readiness to face the challenges of the global business environment.

B.B.A.

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO1** To prepare young graduates to take up challenging careers in business and industry, or pursue higher education thereafter.
- PEO2** This course will deliver the students, a fundamental exposure and understanding about the principles and practices of management.
- PEO3** The course also equips graduates with required analytical, decision making, technical, interpersonal and technological skills.
- PEO4** Develop a holistic personality and enabling them to succeed in their personal lives.
- PEO5** To be a responsible citizen and to cater the needs of societal development.

Programme Specific Outcomes (PSOs)

On the successful completion of B.B.A., the students will

- PSO1** To venture his/her own business unit.
- PSO2** Identify consultancy services for business development.
- PSO3** Excel in executive role in private/government sector.
- PSO4** To comprehend the core concepts, methods and practices in management
- PSO5** Develops an understanding of business that reflects the moral responsibility of management to all relevant stakeholders and the natural environment.

M.A. HRM

Programme Educational Objectives (PEOs)

- PEO1** To equip the students in understanding the Evolution of Management Thought.
- PEO2** To enhance the knowledge and business skills resulting in holistic development and readiness to face the challenges of the global business environment.
- PEO3** To identify the basic Accounting concepts and Conventions to make the students analyse the Financial Statements and apply the skills in the field of Management.
- PEO4** To expertise the various marketing strategies in solving the marketing problems.
- PEO5** To enrich the student's knowledge in conducting research on management problems.
- PEO6** To demonstrate them with the basic of different tools in forecasting and planning Human Resource needs.

Programme Specific Outcomes (PSOs)

- PSO1** Help students to explore practical application of the management concept.
- PSO2** It provides exposure of techniques and approaches to manage Industrial Relations.
- PSO3** Familiarize students with current Human Resource Practices that apply to their careers regardless of their field.
- PSO4** Equip the students with research tools to learn and analyse potential benefits of HRM approaches for effective decision making.
- PSO5** Encourage students on their Professional Development Plans by reflecting on their year's Learning and Internship experience.
- PSO6** Apply the tools from accounting for decision making, i.e Budgeting, Working Capital, etc.
- PSO7** Basic Knowledge of Yoga on Physical and Mental level.

M.Phil. Management

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the research students

- PEO1** To read and understand a variety of reputed journals research papers using different techniques, so as to develop awareness of possible solutions to problems that the learner may encounter as independent researchers in the future.
- PEO2** To formulate a research problem in terms of Research Question, Objectives and hypotheses and design a step-by-step approach to handle the further.
- PEO3** To develop measurement tools for attitudinal/ behavioral or social/ financial /business / economic phenomena relevant to the research problem.
- PEO4** To design research data collection tools and using the same for data collection and to make the data thus collected properly presented fit for analysis.
- PEO5** To deal with the requisites and mechanics of writing a research report with appropriate structuring, analytical reasoning, interpretative relevance and summary of major revelations so as to make a good reading.
- PEO6** To nurture the leadership skills of research student and to promote their awareness

towards professional ethics and codes in the field higher education teaching in Management science.

Programme Specific Outcomes (PSOs)

On the successful completion of M.Phil Management., the research students will

- PSO1** Providing researchers with the guidance necessary to acquire a deep understanding of the theory and practice of management.
- PSO2** Analyzing and discuss the key techniques, conceptual issues and debates in management literatures and the practices of management.
- PSO3** Supporting researchers in the development of an understanding and a critical perspective of management science.
- PSO4** To equip the scholars with deep understanding and insights about Management research and prepare them for advanced managerial research.
- PSO5** To encourage the researchers, to undertake research in different functional areas of management to contribute knowledge towards industry, society and teaching in Management science.

Department of Commerce

Programmes: B.Com. B.Com. (Computer Application), B.Com. (Professional Accounting), B.Com. (Honours), M.Com.

Vision and Mission of the Department

Vision

To serve the society by training quality commerce graduates, who can take up responsible positions in business, industries and other institutions.

Mission

- ❖ To provide an academic ambience that ensures the efficient dissemination of knowledge through student-teacher synergy, resulting in character development and career readiness of commerce graduates.
- ❖ To develop a centre of excellence for commerce education, training and research
- ❖ To groom students with IT skills and values for global competency and transform them into ideal citizens of our country.

B.Com..

Programme Educational Objectives (PEOs)

After completing three years of Bachelor of Commerce (B.Com) Program, Students would

- PEO1 Gain a thorough knowledge in the fundamentals of Commerce and Finance.
- PEO2 Exercise Professional skills, values, team spirit, and high leadership and to accept the challenges in the Industry and Academics.
- PEO3 Excel in contemporary knowledge of business and developing inclination towards lifelong learning.
- PEO4 Demonstrate knowledge in setting up a computerized set of accounting books.
- PEO5 Acquire knowledge and aptitude skills to face the competitive exams.

Programme Specific Outcomes (PSOs)

On successful completion of B.Com.,the students can

- PO1 Practice in Accounting, Taxation, Business Laws, Auditing, Financial Analysis and Management domains.
- PO2 Apply ethical values, team work, professional, communication and leadership skill in business.
- PO3 Identify entrepreneurship and managerial skills so as to establish and manage their business effectively.
- PO4 Make use of knowledge, skill and attitude in their career opportunities.
- PO5 Become eligible to go for Post Graduate studies and professional courses such as CA, CMA and CS.

B.Com., (Professional Accounting)

Programme Educational Objectives (PEOs)

The B.Com (Professional Accounting) program aims to achieve the following objectives:

- PEO1** To develop Accounting knowledge and Skills of the students and make them to apply their knowledge to solve problems relating to financial accounting, Cost Accounting , Management Accounting and Corporate Accounting
- PEO2** To make the students to be familiar with the provisions of Company Law, Industrial Law, Banking Law, other laws related to the Business and General Economics,
- PEO3** To mould the students to understand the concepts of Direct tax and Indirect taxes prevailing in our country and to apply their knowledge to compute taxable income, taxable turnover and amount of tax to be paid .
- PEO4** To develop language skills needed for business fields and letter drafting skills in order to write letter for various business and personal situations.
- PEO5** To assist the students to acquire knowledge in Business Statistics and Business Mathematics and to apply the gathered knowledge to solve statistical and Mathematical Problems both in books and in real life.

Programme Specific Outcomes (PSOs)

After Completing the Course, B.Com (Professional Accounting) graduates can

- PSO1** Be capable of making positive contributions in the field of accountancy
- PSO2** Be appointed as Chief Professional Accounting Officer, Professional Accounting Firm Partner, Finance Director, Audit Manager
- PSO3** Be Chartered Accountants or Management Accountants or Company Secretaries by completing the remaining requirements.
- PSO4** Pursue further Studies in Commerce, Management and in Human Resource Management.
- PSO5** Become employable graduates in Multinational companies

B.Com., (Computer Application)

Programme Educational Objectives (PEOs)

The B.Com (Computer Applications) program aims to achieve the following objectives:

- PEO1** To make the students to be familiar with the Concept of Commerce, Business Law, Banking , Insurance, Marketing and Auditing.
- PEO2** To improve Accounting knowledge and Skills of the students and make the students to apply their knowledge to the solve financial accounting, Cost Accounting, Management Accounting and Corporate Accounting problems both in books and in real life Business.

PEO3 To mould the students to understand the concepts of Direct tax and Indirect taxes prevailing in our country and to apply their knowledge to compute taxable income, taxable turnover and amount of tax to be paid .

PEO 4 To develop working skills in MS OFFICE, DTP, Accounting Package and Programming skills in DBMS, C,C++,VB and MS Access.

PEO5 To assist the students to acquire knowledge in Business Statistics and Business Mathematics and to apply the gathered knowledge to solve statistical and Mathematical Problems both in books and in real life.

Programme Specific Outcomes (PSOs)

After completing the B.Com (Computer Applications) course the students can

PSO 1 Take up computer related jobs in offices, companies and in computer labs.

PSO 2 Pursue higher studies in Commerce, Computer Applications and Management

PSO 3 Become entrepreneurs and apply their technical skills in business.

PSO 4 Contribute for the development of computerized accounting

PSO 5 Do computer projects in solving business issues

B.Com., (Honours)

Programme Educational Objectives (PEOs)

The B.Com (Honours) program aims to achieve the following objectives:

PEO1 To mould the students to do Chartered Accountants Course concurrently with B.Com (Honours)

PEO2 To enable the students to make an early entry to the profession as Chartered Accountant / Accounting Professionals and to offer excellent Placement Opportunities

PEO3 To complement theoretical professional education with practical training by making arrangements for “on the Job training” in Leading Audit firms

PEO4 To inculcate professional ethical values and attitudes among students.

PEO5 To develop language skills needed for business fields and letter drafting skills in order to write letter for various business and personal situations.

Programme Specific Outcomes (PSOs)

After Completing the Course, B.Com (Honours) graduates can

PSO1 Become independent professionals with world class competencies in accounting, taxation, finance, and business advisory services.

PSO2 Be capable of using ICT enabled technologies and making contributions for the betterment of the society

PSO3 Be appointed as Chief Professional Accounting Officer, Professional Accounting Firm Partner, Finance Director, Audit Manager

PSO4 Become member in the international accounting bodies such as International Federation of Accountants (IFAC), International Accounting Standards Board (IASB), Confederation of Asian and Pacific Accountants (CAPA) and South Asian Federation of Accountants (SAFA)

PSO5 Pursue further Studies in Commerce, Management and in Human Resource Management.

M.Com.

Programme Educational Objectives (PEOs)

The M.Com program aims to achieve the following objectives:

- PEO1** To prepare the students in making positive contribution to commerce, trade and industry in the national and global context.
- PEO2** To apply frameworks and tools to arrivedecisions in profession and practice, striking a balance between business andsocial dimensions.
- PEO3** To provide them strong base to pursue professional courses such as CA, ICMA, CFA, and ACS.
- PEO4** To inculcate the entrepreneurial skills to become a successful entrepreneur.
- PEO5** To equip themselves in adopting to the changes through their aptitude and ability for life – long learning in the context of socio-economic, technological and global environment.

Programme Specific Outcomes (PSOs)

After Completing the Course, M.Com students can

- PSO1** Be expertise in Accounting, Taxation, Business Laws, Auditing, Finance and Management domains.
- PSO2** Be appointed asChief Professional Accounting Officer, Professional Accounting Firm Partner, Financial Analyst, Investment consultant, Audit Assistant
- PSO3** Plan and undertake independent research in their chosen discipline
- PSO4** Understand and apply contemporary trends in Business.
- PSO5** Pursue professional courses like CA, CMA, ACS and appear for competitive exams

M.Phil.

Programme Educational Objectives (PEOs)

The M. Phil program aims to achieve the following objectives:

- PEO1** To enables the students to get exposure in the areas of Finance,Human Resource and Research Methods.
- PEO2** To equip themselves in Paper presentation and publications and enriches their calibre.
- PEO3** To provide Practical training in SPSS Packages.
- PEO4** To inculcate the scholars in Practice of Case study and role play method of teaching.

- PEO5** To develop skills in the application of research methods for business problem solving

Programme Specific Outcomes (PSOs)

- PSO1** Be capable of acquiring theoretical as well as practical inputs regarding research in commerce.
- PSO2** Pursue a career either in academics, research or in other professional areas of commerce and finance such as taxation, consultancy and financial services.
- PSO3** Acquire strong expertise in different disciplines that enable them to become efficient teaching faculty.
- PSO4** Apply research methodologies while publishing research papers and to develop skills in the application of research methods for business problem solving.
- PSO5** Gain an up-to-date knowledge on research methods, techniques and SPSS package which is used in analyzing data in research.

Department of Mathematics

**Programmes: B.Sc., Mathematics, M.Sc., Mathematics,
M.Phil., Mathematics**

Vision and Mission of the Department

Vision :

To create an academically sound environment that nurtures, motivates and inspires excellence in research and teaching in Mathematics along with concern for society.

Mission :

- To educate and form the youth as liberated lifelong learners who are sensitive to gender and ecology, empowered to respond to global challenges.
- To make the students creative and research oriented
- To impart quality education in Mathematics to rural and economical weaker students
- To inspire, prepare and empower students to succeed in the ever-changing world.

B.Sc., Mathematics

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO 1** Provide students with a thorough knowledge of fundamental mathematical facts, and solve problems which can be analyzed mathematically.
- PEO 2** Provide high quality and relevant education in the field of Mathematics
- PEO 3** Provide grounding in a coherent body of knowledge, a board coverage of related academic skills, personal development and social skills.
- PEO 4** Develop confidence to appear for SSC (CGL), IBPS, RRB and Civil services exam and will occupy higher posts in administrative level.
- PEO 5** Expose them to various contemporary issues which will enable them become ethical and responsible towards themselves, co-workers, the Society and the Nation

Programme Specific Outcomes (PSOs)

On the successful completion of B.Sc. Mathematics, the students will be able to

- PSO 1** Communicate mathematics effectively using various instructional strategies.
- PSO 2** Demonstrate a computational ability in solving a wide array of mathematical problems.
- PSO 3** Develop mathematical ideas from basic axioms and analyze valid mathematical reasoning.

- PSO 4** Utilize mathematical skills to solve theoretical and applied problems.
PSO 5 Identify applications of mathematics in various disciplines and society.

M.Sc., Mathematics

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO 1** To provide students with advanced mathematical and computational skills that prepares them to pursue higher studies and conduct research.
PEO 2 To train students to deal with the problems faced by software industry through knowledge of mathematics and scientific computational techniques.
PEO 3 To develop independent learning skills and transferable skills among the students
PEO 4 To increase students self-confidence in conducting research independently or within a team
PEO 5 Develop an in-depth understanding of the fundamentals of Mathematics and create a foundation of lifelong learning to facilitate progressive careers in industry.

Programme Specific Outcomes (PSOs)

On the successful completion of M. Sc. Mathematics, the students will be able to

- PSO 1** Formulate Complete, Concise and Correct Mathematical Proofs
PSO 2 Frame Problems Using Multiple Mathematical Structures and Relationships And Solve Using Standard Techniques.
PSO 3 Create Quantitative Models To Solve Real World Problems In Appropriate Contexts
PSO 4 Recognize And Appreciate The Connections Between Theory and applications and Effectively Use Professional Level Technological Tools To Support The Study Of Mathematics
PSO 5 Clearly Communicate Quantitative and Theoretical Ideas In Mathematics

M.Phil. Mathematics

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO 1** To develop practical skills & scientific methods to formulate hypothesis, design theoretical or/and computational model and perform scientific simulations to solve and explain observed phenomena.
PEO 2 To substantiate professional growth that keeps on discovering new avenues in emerging fields of pure and applied mathematics.
PEO 3 To motivate people toward research with sound theoretical and practical knowledge of mathematics.
PEO 4 To prepare students to learn the concrete ideas of mathematics, to analyze problems critically, and to develop problem-solving skills.
PEO 5 To encourage students to become effective independent learners.

Programme Specific Outcomes (PSOs)

On the successful completion of M. Phil. Mathematics, the students will be able to

- PSO 1** Develop the process of designing a research study from its inception to its report.
- PSO 2** Inculcate research level thinking in the field of pure and applied mathematics.
- PSO 3** Assimilate complex mathematical ideas and arguments using wide and updated knowledge in the new areas of various branches of Mathematics

- PSO 4** Culminate abstract mathematical thinking
- PSO 5** Perform independent judgments in various fields of Mathematics at research-level.

Department of Physics

Programmes - B.Sc., Physics, M.Sc., Physics, M.Phil. Physics

Vision and Mission of the Department

Vision

To provide an ambient environment for teaching and research in physics with focus on achieving academic excellence

Mission

- To contribute to develop and sustain teaching and evaluation methods in physics learning in tune with emerging trends in science
- To constantly explore and enhance research potential among faculty and students to promote innovation
- To bridge the gap between curriculum based learning and career readiness/employability of physics graduates
- To create a conscientious awareness among students about issues pertaining to welfare of society and environment

B.Sc., Physics

Programme Educational Objectives (PEOs)

- | | |
|-------------|---|
| PEO1 | A successful career in academia, government, industry, corporates or as an entrepreneur, or as self-employed. |
| PEO2 | Continue to learn and advance in academia to undertake higher education with focus on research and development |
| PEO3 | Communicate effectively by way presenting a brief lecture on a specific topic in physics or writing scientific reports, projects, dissertation and engage in debates and discussion |
| PEO4 | Acknowledge the importance of participation in co-curricular and extra-curricular activities to nurture and grow leadership skills, be socially sensitive to contemporary issues and play a constructive role in the welfare of the society |

Programme Specific Outcomes (PSOs)

At the end of the programme, the students will be able to

- | | |
|-------------|---|
| PSO1 | Identify key concepts, principles and fundamental laws that are central to the study of various areas of physics, define and describe them with clarity |
| PSO2 | Demonstrate the application of physics principles, concepts and laws with necessary experimental background and assess their consequences |
| PSO3 | Explain the mathematical foundation of the underlying physics principles, concepts and laws |
| PSO4 | Formulate, discuss and analyses problems in physics identifying key concepts and principles to solve them |
| PSO5 | Plan and execute an experiment through careful observations, precise measurements, analyses, interpretation and effectively communicate the results by way of presenting a brief lecture on a science topic or writing scientific reports, projects, dissertation and engage in debates and discussions |

M.Sc., Physics

Programme Specific Outcomes (PSOs)

On the successful completion of M.Sc. program, students will be able to

- PSO1** Explain the fundamental principles and concepts of various major areas of theoretical and experimental research
- PO2** Comprehend fundamental concepts of physics through advanced laboratory experiments and qualify them to work in scientific and research laboratories
- PSO3** Explore problem solving skills and compete in state and national level competitive exams.
- PSO4** Gain exposure to methods of research through a mandatory individual project work to be undertaken during the last semester.
- PSO5** Plan and execute an experiment through careful observations, precise measurements, analyses, interpretation and effectively communicate the results by way of presenting a brief lecture on a science topic or writing scientific reports, projects, dissertation and engage in debates and discussions

M.Phil., Physics

Programme Specific Outcomes (PSOs)

At the end of the programme, the students will be able to

- PSO1** Acquire a firm grasp of the principles and methods necessary to undertake research in physics.
- PSO2** An advanced level exposure to fundamental areas indispensable for experimental research in condensed matter physics and a few other related fields.
- PSO3** Expertise in preparation and handling of samples, recording and analysis of data in diverse state-of-the art research facilities/software/database pertinent to the dissertation work
- PSO4** A comprehensive understanding of solutions to some advanced research problems to help identify and formulate new problems.
- PSO5** Exposure to contemporary issues in research and importance of adhering to ethical principles in writing a research report.

Department of Chemistry

**Programmes: B.Sc., Chemistry, M.Sc., Chemistry, M.Sc., Chemistry (Special)
M.Phil., Chemistry**

Vision and Mission of the Department

Vision:

To train our students as scientifically literate professionals with a sense of social responsibilities.

Mission:

- (i) To train our students to succeed in competitive examinations.
- (ii) To encourage the advancement of chemistry in all of its branches through education, research and service opportunities.
- (iii) To provide students with community need based research and outreach opportunities.
- (iv) To strive for an ideal balance between creation and knowledge dissemination in the chemical sciences.

B.Sc., Chemistry

Programme Educational Objectives (PEOs)

The objectives of the B.Sc Chemistry programme is to prepare-equip the students.

- PEO1** To pursue further studies and succeed in academic and research careers.
- PEO2** To develop productive employees in chemical, petrochemical and allied industries.
- PEO3** As an all rounded professionals in terms of effective communication, skillful execution, good leadership qualities and a teamwork.
- PEO4** To provide solutions for societal issues such as environmental protection, occupational health and safety, resource management and appropriate business skills.
- PEO5** To develop life-long learning skills and abilities.

Programme Specific Outcomes (PSOs)

On the successful completion of B.Sc Chemistry program students will be able

- PSO1** To get a firm foundation in the fundamentals and applications of chemical and scientific theories including environmental and biological Chemistry.
- PSO2** To carry out scientific experiments with the help of laboratory and analytical instruments, as well as accurately record and analyze the results of such experiments.
- PSO3** To develop skills in problem solving, critical thinking and analytical reasoning as applied to chemistry related problems.
- PSO4** To find the solution for the ethical, historic, philosophical, economical and environmental dimensions of problems and issues facing chemists.
- PSO5** To pursue post graduate program in higher educational institutions and also to get suitable employment opportunities in industries and academic institutions.

M.Sc., Chemistry

Programme Educational Objectives (PEOs)

The objectives of the M.Sc Chemistry programme is to prepare/equip the students-

- PEO1** To pursue Ph.D programme at national /global level research institute with CSIR-NET/ TOEFL/GRE qualification.
- PEO2** To have successful professional careers in chemical industry, government, academia and national/international research institute as innovative scientists.
- PEO3** To get suitable employment in government sectors after qualifying specific competitive exams conducted by service commission.
- PEO4** To develop leadership, contemporary and also global outlook.
- PEO5** To recognize the importance of utilizing their knowledge, skills, and initiative for the benefit of society.

Programme Specific Outcomes (PSOs)

On the successful completion of M.Sc Chemistry program students will be able

- PSO1** To get in-depth knowledge on advanced concepts in Inorganic, Organic, Physical, Analytical, Biological, environmental and industrial applications of chemistry.
- PSO2** To get basic analytical and technical skills to work effectively in the various fields of chemistry.
- PSO3** To synthesize, purify and characterize compounds using published protocols, with the help of standard and modern instrumentation techniques and to find their applications in various fields.
- PSO4** To use online search tools for literature survey of the topic of research, manuscript preparation and online submission for publication.
- PSO5** To qualify State, National and International eligibility exams to do research at National/International institutes and to get suitable employment.

M.Sc., Chemistry (Special)

Programme Educational Objectives (PEOs)

The objectives of the M.Sc Chemistry (Spl) programme is to prepare/equip the students-

- PEO1** To pursue Ph.D programme at national /global level research institute with CSIR-NET/ TOEFL/GRE qualification.
- PEO2** To have successful professional careers in chemical industry, government, academia and national/international research institute as innovative scientists.
- PEO3** To get suitable employment in government sectors after qualifying specific competitive exams conducted by service commission.
- PEO4** To develop leadership, contemporary and also global outlook.
- PEO5** To recognize the importance of utilizing their knowledge, skills, and initiative for the benefit of society.

Programme Specific Outcomes (PSOs)

On the successful completion of M.Sc Chemistry program students will be able

- PSO1** To get in-depth knowledge on advanced concepts in Inorganic, Organic, Physical, Analytical, Biological, environmental and industrial applications of chemistry.
- PSO2** To get basic analytical and technical skills to work effectively in the various fields of chemistry.
- PSO3** To synthesize, purify and characterize compounds using published protocols, with the help of standard and modern instrumentation techniques and to find their applications in various fields.
- PSO4** To use online search tools for literature survey of the topic of research, manuscript preparation and online submission for publication.
- PSO5** To qualify State, National and International eligibility exams to do research at National/International institutes and to get suitable employment.

M.Phil., Chemistry (Special)

Programme Educational Objectives (PEOs)

The objectives of the M.Phil Chemistry programme is to prepare-equip the students

- PEO1** To pursue Doctoral programme at national/global level research institute with sponsored fellowship.
- PEO2** To get successful professional careers in academia as Assistant Professor, team leader in research and development company, scientist in higher education research institute like DRDO, BARC etc.
- PEO3** To get suitable employment in government sectors after qualifying specific competitive exams conducted by service commission or will become a successful entrepreneur.
- PEO4** To demonstrate adherence to personal and professional ethics.
- PEO5** To be active members and ready to serve the society locally and internationally.

Programme Specific Outcomes (PSOs)

On the successful completion of M.Phil Chemistry program students will be able

- PSO1** To gain in-depth knowledge in specific area of chemical sciences.
- PSO2** To represent data in the form of figures and tables and able to give logical explanation with evidences.
- PSO3** To get a comprehensive understanding of experimental and analytical techniques, and a thorough knowledge of the literature, applicable to their own research.
- PSO4** To show abilities in the critical evaluation of current research, research techniques and methodologies.
- PSO5** To get jobs in various sectors ranging from energy to environment, teaching to research, pharmaceutical to medical sciences.

Department of Botany

**Programmes: B.Sc., Botany, M.Sc., Botany, M.Phil., Botany,
B.Sc., Biotechnology**

Vision and Mission of the Department

Vision

“Provision of knowledge to contribute towards the sustainable utilization of Plant Biosphere”

Mission

- To foster an environment of excellence by providing a comprehensive set of courses in plant sciences that enhances the understanding, depth of knowledge and technical competency of the students.
- To provide the students competence for entry-level research and teaching positions in biological sciences.
- To inculcate the students with an environment that fosters the development of appropriate scientific vocabulary, reasoning skills, and effective oral and written communication abilities for students.
- To create a holistic understanding of the allied subjects through interdisciplinary learning.

B.Sc., Botany

Programme Educational Objectives (PEOs)

The objectives of this Programme is to equip/prepare the students

- PEO1** Graduates of the program will develop a strong and competent knowledge in basic Plant science required for critical learning and research.
- PEO2** Graduates will develop diversified basic professional skills through various laboratory technical training, communication and presentation skills.
- PEO3** Graduates will possess an ability to identify, formulate, and solve Plant problems to contribute to service efforts to community in both the professional and private realm
- PEO4** Graduates will integrate related topics from separate parts of the course such as levels of plant organization, Techniques, cell biology, ecology, evolution, biochemistry, genetics, embryology, basic biotechnology, physiology, molecular biology, taxonomy, anatomy for successful career.
- PEO5** Graduates will be proficient to assess the scope of plant science, appreciate the complexities of biological organization and address scientifically controversial issues in a rational way

Programme Specific Outcomes (PSOs)

On the successful completion of B.Sc., Botany, the students will be able to

- PSO1** identify various plant life forms, using specific identification key characteristic features
- PSO2** demonstrate the acquired knowledge and comprehend the core concepts of Botany at organizational (both external morphology, internal morphology), cellular, and molecular levels through which the developmental and physiological functioning of plants
- PSO3** show their skills in practical work, experiments, use of biological tool and techniques
- PSO4** explore various life forms and their intricacies of at the cellular and molecular and Level.
- PSO5** expertise in statistical analyses of data for better interpretations and problem solving

M.Sc., Botany

Programme Educational Objectives (PEOs)

The objectives of this Programme is to equip/prepare the students

- PEO1** Graduates of the program will develop competent knowledge in basic Plant science required for continuous learning and research.
- PEO2** Graduates will develop diversified basic professional skills through various laboratory technical training, communication and presentation skills.
- PEO3** Graduate will possess an ability to identify, formulate, and solve Plant problems to contribute to service efforts to community in both the professional and private realm
- PEO4** Gradates will integrate related topics from separate parts of the course such as levels of plant organization, cell biology, ecology, evolution, biochemistry, embryology, basic biotechnology, physiology, molecular biology, and taxonomy for successful career.
- PEO5** Graduates will be proficient to assess the scope of plant science, appreciate the complexities of biological organization and address scientifically controversial issues in a rational way

Programme Specific Outcomes (PSOs)

On the successful completion of M.Sc., Botany, the students will be able to

- PSO1** carry out a thorough analysis on various plant life forms, using specific identification key characteristic features and also at micro level
- PSO2** comprehend the core concepts of Botany at organizational (both external morphology, internal morphology), cell and molecular levels, through which the developmental and physiological functioning of plants
- PSO3** demonstrate the principles of inheritance, basis for plant breeding (through macro propagation and using tissue culture) and latest concepts of molecular biology and biotechnology
- PSO4** exhibit proficiency in the areas of biostatistics and computer applications in modern topics of Life Sciences
- PSO5** exhibit proficient laboratory skills and in contemporary and advance techniques related to Life Science

M.Phil., Botany

Programme Educational Objectives (PEOs)

The objectives of this Programme is to equip/prepare the students

- PEO1** Graduates of the program will develop competent knowledge in Plant science required for continuous learning and research.
- PEO2** Graduates will develop diversified basic professional skills through various laboratory technical training, communication and presentation skills.
- PEO3** Graduate will possess an ability to identify, formulate, and solve Plant problems to contribute to service efforts to community in both the professional and private realm
- PEO4** Gradates will integrate related topics from separate parts of the course such as Research Methodology, Conservation biology and Signalling molecules for successful career.
- PEO5** Graduates will be proficient to assess the scope of plant science in research

Programme Specific Outcomes (PSOs)

On the successful completion of M.Phil., Botany, the students will be able to

- PSO1 formulate a research plan on various plant life forms,
- PSO2 Develop conservation strategies for endangered plant species
- PSO3 demonstrate the skill of writing research papers
- PSO4 exhibit proficiency in the areas of biostatistics and computer applications in modern topics of Life Sciences
- PSO5 exhibit proficient laboratory skills and in contemporary and advance techniques related to Life Science

B.Sc., Biotechnology

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO1 Graduates of this program will build up competency in basic Biotechnology required for decisive learning and research.
- PEO2 Graduates will develop diversified indispensable professional skills through a wide range of laboratory technical training, communication and presentation skills.
- PEO3 Graduates will acquire an ability to identify, formulate, and solve biosafety, environmental and socio-ethical issues to contribute service efforts to community in both the professional and private realm.
- PEO4 Graduates will amalgamate related topics from their curriculum such as biochemical techniques, cell biology, microbiology, molecular biology, genetic engineering, plant biotechnology, animal biotechnology, environmental biotechnology, computational biology for higher studies, research and other career.
- PEO5 Graduates could develop adequate skill to evaluate the scope of biotechnology, understand the complexities of microbes, plants and animal system and address contentious scientific issues in a lucid way.

Programme Specific Outcomes (PSOs)

On the successful completion of B.Sc. Biotechnology the students will

- PSO1 Recognize various groups of microbes using specific identification keys and characteristic features.
- PSO2 Exhibit the acquired knowledge and appreciate the core concepts of Biotechnology at cellular, biochemical and molecular level with basis of physiology of living system.
- PSO3 Identify somaclones and gametoclones using appropriate molecular markers and bioinformatics tools.
- PSO4 Demonstrate the principles of inheritance, transgenesis and commercial exploitation of recombinant DNA technology.
- PSO5 Exhibit proficiency in selected laboratory skills and the use of bioinstrumentation and computational biology skills in the biological analysis.

Department of Zoology and Microbiology

Programmes - B.Sc., Microbiology, M.Sc., Microbiology, M.Sc., Zoology, M.Phil., Zoology

Vision and Mission of the Department

Vision

- To render exemplary quality education in Life Sciences and laboratory skills in order to produce generations of responsible, competent and employable graduates

Mission

- To provide a comprehensive set of courses in biological sciences that enhances the understanding, depth of knowledge and technical competency of the students.
- To prepare the students for entry-level research and teaching positions in biological sciences.
- To provide an educational environment that fosters the development of appropriate scientific vocabulary, reasoning skills, and effective oral and written communication abilities for students.
- To create an holistic understanding of the allied subjects through interdisciplinary learning.

B.Sc., Microbiology

Programme Educational Objectives (PEOs)

- PEO1** To prepare a new generation of microbiologists, capable of excelling in careers of their choosing.
- PEO2** To equip the students to apply knowledge of prokaryotic and eukaryotic cellular processes, classification, interaction of microorganisms among themselves, with physical and chemical agents and higher order organisms
- PEO3** To undertake research studies, collect relevant literature, design experiment, use experimental techniques, analyse the results statistically, report and publish the findings
- PEO4** Job opportunities in pharmaceutical, food and bioprocess industries
- PEO5** Basics and current updates in the areas of microbiology, biochemistry, molecular biology Immunology and genetic engineering (and Industrial Microbiology, Medical microbiology, Agriculture & Environmental Microbiology) are included to train the students and also sensitize them to scope for research.

Programme Specific Outcomes (PSOs)

- PSO1** Comprehend the core concepts, methods and practices in life sciences especially microbiology, biotechnology etc.,
- PSO2** Isolate, identify and characterize different types of microorganisms and their metabolites
- PSO3** Interpret the etiology of infectious diseases, their transmission, treatment, control and prevention methods.
- PSO4** Acquire theoretical basis and practical skills in the use of basic tools, technologies and methods common to different disciplines of life sciences.

PSO5 Be proficient in the fundamental knowledge and recent trends/updates of different disciplines in microbiology.

M.Sc., Microbiology

Programme Educational Objectives (PEOs)

The Objectives of this programme is to equip/ prepare the students

- PEO1** Adopt for careers in the food/agriculture/ pharmaceutical industry, agriculture, and applied research
- PEO2** To compete in competitive exams like NET, SET and civil services
- PEO3** Analyze and interpret scientific data collected with microbiological laboratory techniques and safety procedures
- PEO4** To utilize the scientific literature effectively for the successful completion of research projects related to microbiology
- PEO5** A proficient microbiological quality analyst in an reputed company or will be an entrepreneur in the field concerned

Programme Specific Outcomes (PSOs)

On the successful completion of M.Sc Microbiology the students will

- PSO1** Comprehend the core theories, concepts, practices and methods related to the different disciplines in microbiology
- PSO2** Analyse the scientific information related to microbial processes and their role in ecosystem functioning and health issues
- PSO3** Plan and execute safely a series of food, environment and medical microbiological experiments
- PSO4** Be equipped with interdisciplinary skills, computational tools and techniques related to microbiology
- PSO5** Exhibit their ideas/knowledge through their involvement in research/internship activities, association club and outreach activities specific to microbiology

M.Sc., Zoology

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO1** Endow with a spirit of resource conservation and love for nature.
- PEO2** Explicate the different forms of organisms their structure, physiology and adaptations. Interpret how ecological aspects of biotic and abiotic components are interrelated, their interactions as well as their influence in the functioning of ecosystem.
- PEO3** Basics and current updates in the areas of Microbiology, Immunology, Biotechnology, Genetic Engineering are included to train the students and also sensitize them to scope for research.
- PEO4** The laboratory training in addition to theory will equip the student for careers in the industry, agriculture, and applied research.
- PEO5** Perform functions that demand higher competence in national/international organizations.

Programme Specific Outcomes (PSOs)

On the successful completion of M.Sc., Zoology the students will

- PO1** Proficient in core concepts, recent trends in different disciplines of life sciences like microbiology, biochemistry, cell and molecular biology, genetics and genetic engineering, evolution, entomology, IPR, bioethics, bioethics bioinformatics etc.,
- PO2** Explain how organisms function at gene, genome, cell, tissue, organ and organ-system level of organization.
- PO3** Possess theoretical basis and practical skills in the use of basic and advanced instruments. Further able to create, select and apply appropriate techniques, resources and modern technology in multi-disciplinary environment.
- PO4** Apply theoretical knowledge gained for prominent career and for further academic study.
- PO5** Appear for competitive exams like CSIR NET, SET etc and also to write research proposals for grants.

M.Phil., Zoology

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO1** Engage in critical intellectual enquiry
- PEO2** Demonstrate a thorough understanding of research methodologies and techniques at an advanced level
- PEO3** Conduct innovative, high-impact and leading edge research
- PEO4** Provide novel solutions to complex problems
- PEO5** Work with others and make constructive contributions. Demonstrate leadership and advocacy skills

Programme Specific Outcomes (PSOs)

On the successful completion of M.Phil., Zoology the students will

- PSO1** Design , write and execute research proposal Demonstrate practical fieldwork skills (e.g. ecological survey techniques, species identification and ecological impact assessments)
- PSO2** Develop research orientation and familiar/acquaint with the principle, working mechanism and application of biological instruments
- PSO3** Identify and define emerging problems in the field concerned. Offer innovative and original solutions to problems and issues Further able to apply appropriate techniques in multi-disciplinary research environment.
- PSO4** Engage in intellectual exchange with researchers from other disciplines to address important research issues Collaborate effectively with researchers
- PSO5** Appear for competitive exams like CSIR NET, SET etc and also to write research proposals for grants.

Department of Computer Science

Programmes - B.Sc., Computer Science, M.Sc., Computer Science

Vision and Mission of the Department

Vision:

- To be frontier in educating Computer Science and to produce globally competent graduates with moral values committed to build a vibrant nation.

Mission:

- To strengthen the core competence in Computer Science through analytical learning.
- To produce successful graduates with personal and professional responsibilities and commitment to lifelong learning.
- To uplift innovative research in computer science to serve the needs of industry, government and society.

B.Sc., Computer Science

Programme Educational Objectives (PEOs)

Graduates will be able to

- PEO1** Be employed successfully or continue their professional education.
- PEO2** Apply knowledge of computing, mathematics and basic sciences that are relevant and appropriate to the domain.
- PEO3** Use and develop skills as required for effective professional practices
- PEO4** Remain abreast in their profession and be leaders in our technologically vibrant society.
- PEO5** Lead a successful technical or professional career including supportive and leadership roles on multidisciplinary teams.

Programme Specific Outcomes (PSOs)

On the successful completion of B.Sc., Computer Science the students will

- PSO1** Develop the knowledge on principles of hardware and software aspects of computing systems.
- PSO2** Build up programming efficiency by designing algorithms and applying standard practices in software project development.
- PSO3** Apply knowledge on software development tools, software systems and open source platforms.
- PSO4** Perceive technical, practical and communicative skills among the students to face the industrial needs.
- PSO5** Create awareness on the current issues, latest trends in technological development and thereby innovate new ideas and solutions to existing problems.

M.Sc., Computer Science

Programme Educational Objectives (PEOs)

- PEO1:** Graduates are prepared to acquire broad knowledge of Computer Science and a focused understanding of their area of interest.

PEO2: Graduates will gain the ability to work effectively as a team member and/or leader in dynamic professional environment;

PEO3: Graduates will be capable to take up research programmes

PEO4: Graduates are prepared to survive in rapidly changing technology and engage in life-long learning.

PEO5: Graduates work effectively in multi-disciplinary and multi-cultural environments by respecting professionalism and ethical practices within organization and society at national and international level.

Programme Specific Outcomes (PSOs)

PSO1: Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems.

PSO2: Assess to understand the structure and development methodologies of software systems.

PSO3: Possess professional skills and knowledge of software design process.

PSO4: Familiarity and practical competence with a broad range of programming language and open source platforms.

PSO5: Be at ease with the contemporary issues, latest trends in technological development and there by innovate new ideas and solutions to existing problems.

Department of Computer Application and Information Technology

Programmes - B.C.A., B.Sc., Information Technology

Vision and Mission of the Department

Vision:

The Department of Computer Application & Information Technology foster competent and confident student community, enriched with soft skills inculcated with managerial skills and moral values.

To exhibit innovative and heuristic knowledge in every IT arena with quality and holistic approach.

Mission:

- Empower groomed software professionals with robust knowledge base
- Achieve employability in Information Technology and non Information Technology sector
- Develop potential individuals
- Promote students to become a successful entrepreneur.
- To facilitate the students to grab knowledge on various sectors of IT industry.
- To enhance the students to present their wisdom on governmental as well as non-governmental services.
- To equip the student to adapt and apply their skill set to acquire higher education opportunities.

B.C.A.

Programme Educational Objectives (PEOs)

- PEO1** Equip the students to meet corporate needs.
- PEO2** Professionally educate the students for pursuing higher education.
- PEO3** Nurture the students with skills required to become an entrepreneur.
- PEO4** Adapt the students with better learning ability in the ever changing software industry.
- PEO5** Manage cross culture environment and have peer recognition.

Programme Specific Outcomes (PSOs)

- PSO1** Illustrate the key concepts in Computer Applications.
- PSO2** Analyze latest technologies and apply them to solve the issues in Computer Applications.
- PSO3** Clarity on both conceptual and application oriented skills in computer technologies with quantitative and qualitative techniques.
- PSO4** Build technical, professional, practical and communicative skills to face the industrial with clarity.
- PSO5** Develop practical skills to provide solutions for computer oriented problems.

B.Sc., Information Technology

Programme Educational Objectives (PEOs)

Equip the students to grab knowledge on various sectors of IT industry.

PEO1

PEO2 Promote the students with cumulative skill set to provide solutions to a given real world problem using current trends and technology.

PEO3 Deliver a new generation with proficient on fundamental knowledge and recent trends on different disciplines in Information Technology.

PEO4 Facilitate the student to adapt and apply their skill set to acquire higher education opportunities.

PEO5 Enhance the students to present their wisdom on governmental as well as non-governmental services.

Programme Specific Outcomes (PSOs)

On the successful completion of B.Sc., Information the students will

PSO1 Acquire fundamental concepts, methods and practices of Information Technology to develop theoretical and practical skill sets.

PSO2 Justify the optimum technique to allocate memory resources, processors, I/O peripherals to provide optimal programmatic solution to a real world problem.

PSO3 Support to gain skills on basic as well as trendy software languages and packages to design web sites, web apps and real time software projects.

PSO4 Promote the students to generalize and distinguish the characters of different systems for different environment.

PSO5 To trigger the students to enroll in to the research areas of IT industry like cloud computing and data analysis.

Department of Psychology

Programme - B.Sc., Psychology

Vision and Mission of the Department

Vision:

- Empower the student community to realize their true potential by acquiring core subject knowledge and time relevant psychological skills, that enables them to achieve success in their professional careers.

Mission:

- To provide a foundation for the scientific understanding of behaviour and mental processes.
- To foster a conducive environment where students and faculty collaborate in basic and applied research to advance scientific knowledge.
- To inspire the students to resonate and channelize their thoughts and encourage them to choose their areas of interest from the different fields of Psychology.
- To develop sensitivity to psychological dynamics for better individual and societal wellbeing.

B.Sc., Psychology

Programme Educational Objectives (PEOs)

The objectives of this programme are to equip/prepare the students:

- | | |
|-------------|--|
| PEO1 | To identify a suitable career in the field of Psychology and achieve self-growth with a rewarding professional experience. |
| PEO2 | To realize that they are a part of larger society and it is their rightful duty to serve the community by offering psychological support through proficient counselling and therapy. |
| PEO3 | To comprehend and appreciate the importance of research and to come up with novel concepts and ideations across the fields of Psychology |
| PEO4 | To lead a fulfilling and satisfying personal life by imbibing the true essence of Psychological principles. |
| PEO5 | To be an inspiration to the next generation of growing psychologists. |

Programme Specific Outcomes (PSOs)

On the successful completion of B.Sc., Psychology Programme, the students will

- | | |
|-------------|---|
| PSO1 | Impart in-depth knowledge and critical thinking in various fields of Psychology |
| PSO2 | Able to collect, analyse and interpret the data in an applied or laboratory setting |
| PSO3 | Analyse the causes and concerns behind the major psychological issues |
| PSO4 | Comprehend the core concepts, methods and practices in Psychology |
| PSO5 | Possess knowledge on vast application and use of psychological concepts through means like advertisement, social media, marketing strategies etc. |

National Centre of Excellence

Programme - M.Sc., Biotechnology

Vision and Mission of the Department

Vision:

To achieve excellence in teaching, training, research and innovation in biotechnology

Mission:

- To ensure academic excellence by designing and teaching need based curriculum
- To impart inclusive knowledge with equal emphasis on theory and practical
- To encourage students to focus on national eligibility/entrance tests for acquiring potential career opportunities
- To develop creativity skills by organizing various co-curricular activities
- To enhance adaptability and employability by stimulating team work

M.Sc., Biotechnology

Programme Educational Objectives (PEOs)

The objectives of this programme is to equip/prepare the students

- PEO1** Equipped with the comprehensive knowledge on biotechnological principles and concepts
- PEO2** Able to choose and apply appropriate tools and techniques in life science
- PEO3** Competent to implement biotechnological concepts in addressing local, regional and global needs
- PEO4** Capable of planning, formulating, executing and managing projects in various domains of biotechnology
- PEO5** Enriched with various techniques, skills and approaches, which expands the employment, innovation and bioentrepreneurial opportunities

Programme Specific Outcomes (PSOs)

On completion of M.Sc., Biotechnology programme, the students will be:

- PSO1** Distinguish the characteristics and diversity of microbes
- PSO2** Exhibit proficiency in the concepts of microbiology, biochemistry, molecular biology, biotechnology, immunology and computational biology.
- PSO3** Elucidate the components of environmental, rural and entrepreneurial biotechnology
- PSO4** Demonstrate the principles, operation and applications of various bioinstruments
- PSO5** Evaluate ethical and environmental issues in recombinant research