

SRI KRISHNA ARTS AND SCIENCE COLLEGE

An Autonomous College Affiliated to Bharathiar University

Re-Accredited by NAAC with 'A' Grade

Coimbatore - 641 008, Tamil Nadu, India.

OBE - LEARNING OUTCOMES (PEOs, PSOs, PLOs)





SRI KRISHNA ARTS AND SCIENCE COLLEGE
An Autonomous college affiliated to Bharathiar University
Kuniamuthur, Coimbatore - 641008



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Coimbatore - 641008, Tamil Nadu, India.

Department of English

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **BA. English** are:

PEO 1	Graduates to perform in their profession with social awareness and responsibility.
PEO 2	Graduates will interact with their peers in other disciplines in their profession and society and contribute to the economic growth of the country.
PEO 3	Graduates will be successful in higher studies in their chosen field.

Programme Specific Outcomes (PSOs)

On the completion of **BA. English**, the graduates will able to

PSO 1	Develop proficiency in English Language and Literature and other related fields.
PSO 2	Acquire practical skill sets in the field of Language, Literature, Literary Criticism, English Language Teaching, Linguistics, Mass Communication and Journalism and other related fields.
PSO 3	Able to inculcate the ability to gain necessary mastery over English Language and prove their proficiency in competitive and civil service Exams.

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Department of English

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **BA. English**:

PLO 1	Define major movements and knowledge related to Prose, Poetry, Drama, Language and Career Skills through study of selected texts.
PLO 2	Interpret literary works using critical thinking skills in order to evaluate their literary worth.
PLO 3	Compose passages in creative literary forms like prose, poetry, drama and to practice LSRW skills in language laboratory set up.
PLO 4	Conceptualize interpersonal interactions, perceptions and development of relationships in literary texts and synthesize them into values for life.
PLO 5	Communicate ideas garnered from literary texts so as to formulate values for life.
PLO 6	Choose wide range of information, digital media and technological applications to advocate literary skills.
PLO 7	Apply quantitative, numerical and statistical skills through the visual and graphical aids for mixed methods research in English language and literature.
PLO 8	Compile varied leadership skills through the study of various characters from literary pieces.
PLO 9	Display literary skills and principles for lifelong learning through effective reading habits
PLO 10	Formulate and adopt basic entrepreneurial skills to set up educational institutions, become publishers, playwrights, directors and trainers.
PLO 11	Devise and design suitable Ethical and Professional practices through their study of relevant literature related to professional ethics.

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Department of Mathematics & Statistics

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Mathematics** are:

PEO 1	Graduates will equip with skills and knowledge to get employment in industry / institution as well as government departments by imparting the computational skills.
PEO 2	Graduates will have capability to work in a team to become leaders and entrepreneurs with ethical responsibility.
PEO 3	Graduates will be motivated to pursue higher education in various universities across the globe.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Mathematics**, the graduates will able to

PSO 1	Understand the concepts and methodologies in the field of mathematical sciences and apply them in Mathematical and Statistical applications such as Business, Scientific Research and Technological Computations.
PSO 2	Apply techniques and tools of computational science to provide real time solutions with latest applications.

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Department of Mathematics & Statistics

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Mathematics**:

PLO 1	Ability to apply knowledge of mathematics to the solutions of complex problems in all fields. (Critical Thinking) (LOT) (C)
PLO 2	Develops the skill to think critically on abstract concepts of mathematics and solve critical problems by applying the appropriate tools. (Critical Thinking) (HOT) (C)
PLO 3	To develop the ability to utilize the mathematical problem-solving methods such as analysis, modelling, programming and mathematical software applications in addressing the practical issues. (Practical Skills) (P)
PLO 4	Use their course as a training ground to develop their positive skills. (Team Work) (A)
PLO 5	Imbibe effective scientific and/or technical communication in both oral and writing. (A)
PLO 6	To encourage the use of relevant mathematical software's like LaTeX, MATLAB, and further the use of the R-programming, PYTHON to the expectations of Industry 4.0 and 5.0. (Digital Skills) (A)
PLO 7	An ability to develop and conduct appropriate experimentation, analyze and interpret data by using statistical tools . (HOT) (C)
PLO 8	Demonstrate effective leadership skills to work efficiently in a competitive domestic and global environment. (A)
PLO 9	Apply the Mathematical concepts, in all the fields of learning including higher research, and recognize the need and prepare for lifelong learning .
PLO 10	Enhance entrepreneurial skills and professional development through consultancy and extension services at a competitive level.
PLO 11	Apply ethical principles and commit to professional ethics, responsibilities and norms in the society.

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Department of Computer Science

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Computer Science** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess programming skills and critical thinking skills in serving the domestic and global community in the relevant area.
PEO 2	Acquire the technical information from various sources in solving the computer related problems through up-to-date programming practices and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Perform as a team player and becoming a market leader in the field of consultancy and skill development with effective communicative skills which will help the organization to grow.
PEO 4	Become technically competent with sense of programming and entrepreneurial skills in the area of computer science with a passion of lifelong learning to create their own brand image.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Computer Science**, the graduates will able to

PSO 1	Ability to understand the programming concepts, methodologies and apply algorithms, mathematical and scientific reasoning to solve ranged computational problems.
PSO 2	Ability to apply emerging software development techniques and tools in providing real-time solutions.

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Department of Computer Science

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Computer Science**:

PLO 1	Identify the programming and technical knowledge acquired in the current computational demands. (Cognitive)
PLO 2	Analyze the complex problems and identify solutions through critical thinking skills. (Cognitive)
PLO 3	Adapt to the latest tools and techniques used to develop domain based innovative solutions with the acquired technical and operational skills. (Psychomotor)
PLO 4	Function and contribute as a team in the diversified environment in taking competitive decision. (Affective)
PLO 5	Communicate effectively with the computing community as well as society to comprehend effective documentation and presentation. (Affective)
PLO 6	Incorporate advanced digital skills in designing, developing, managing and deploying in media and technical field. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills to solve challenging problems with effective solutions. (Cognitive)
PLO 8	Articulate leadership skills in motivating the team towards the target in a multi-disciplinary environment. (Affective)
PLO 9	Recognize the need and ability to involve independent and life-long learning in the changing era of technology. (Affective)
PLO 10	Interpret the impact of professional business solutions on business environment for sustainable development. (Affective)
PLO 11	Follow ethical principles and commit to professional responsibilities for a relevant technical practice. (Affective)

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Department of Computer Applications

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Computer Science and Applications** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess programming skills and critical thinking skills in serving the domestic and global community in the relevant area.
PEO 2	Acquire the technical information from various sources in solving the computer related problems through up-to-date programming practices and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Perform as a team player and becoming a market leader in the field of consultancy and skill development with effective communicative skills which will help the organization to grow.
PEO 4	Become technically competent with sense of programming and entrepreneurial skills in the area of computer science with a passion of lifelong learning to create their own brand image.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Computer Science and Applications**, the graduates will able to

PSO 1	Ability to understand the programming concepts, methodologies and apply algorithms, mathematical and scientific reasoning to solve ranged computational problems.
PSO 2	Ability to apply emerging software development techniques and tools in providing real-time solutions.

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Department of Computer Applications

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Computer Science and Applications**:

PLO 1	Identify the program and technical knowledge acquired in the current computational demands. (Cognitive)
PLO 2	Analyze the complex problems and identify solutions through critical thinking skills . (Cognitive)
PLO 3	Adapt to the latest tools and techniques used to develop domain based innovative solutions with the acquired technical and operational skills . (Psychomotor Skills)
PLO 4	Function and contribute as a team in the diversified environment in taking competitive decision. (Affective)
PLO 5	Communicate effectively with the computing community as well as society to comprehend effective documentation and presentation. (Affective)
PLO 6	Incorporate advanced digital skills in designing, developing, managing and deploying in media and technical field. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills to solve challenging problems with effective solutions. (Cognitive)
PLO 8	Articulate leadership skills in motivating the team towards the target in a multi- disciplinary environment. (Affective)
PLO 9	Recognize the need and ability to involve independent and life-long learning in the changing era of technology. (Affective)
PLO 10	Interpret the impact of professional business solutions on business environment for sustainable development. (Affective)
PLO 11	Follow ethical principles and commit to professional responsibilities for a relevant technical practice. (Affective)

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Department of Information and Computer Technology

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Information Technology** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess programming skills and critical thinking skills in serving the domestic and global community in the relevant area.
PEO 2	Acquire the technical information from various sources in solving the computer related problems through up-to-date programming practices and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Perform as a team player and becoming a market leader in the field of consultancy and skill development with effective communicative skills which will help the organization to grow
PEO 4	Become technically competent with sense of programming and entrepreneurial skills in the area of computer science with a passion of lifelong learning to create their own brand image.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Information Technology**, the graduates will able to

PSO 1	Ability to understand the programming concepts, methodologies and apply algorithms, mathematical and scientific reasoning to solve ranged computational problems.
PSO 2	Ability to apply emerging software development techniques and tools in providing real-time solutions.

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Department of Information and Computer Technology

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Information Technology**:

PLO 1	Identify the programming and technical knowledge acquired in the current computational demands. (Cognitive)
PLO 2	Analyze the complex problems and identify solutions through critical thinking skills . (Cognitive)
PLO 3	Adapt to the latest tools and techniques used to develop domain based innovative solutions with the acquired technical and operational skills . (Psychomotor Skills)
PLO 4	Function and contribute as a team in the diversified environment in taking competitive decision. (Affective)
PLO 5	Communicate effectively with the computing community as well as society to comprehend effective documentation and presentation. (Affective)
PLO 6	Incorporate advanced digital skills in designing, developing, managing and deploying in media and technical field. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills to solve challenging problems with effective solutions. (Cognitive)
PLO 8	Articulate leadership skills in motivating the team towards the target in a multi-disciplinary environment. (Affective)
PLO 9	Recognize the need and ability to involve independent and life-long learning in the changing era of technology. (Affective)
PLO 10	Interpret the impact of professional business solutions on business environment for sustainable development. (Affective)
PLO 11	Follow ethical principles and commit to professional responsibilities for a relevant technical practice. (Affective)

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Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Computer Technology** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess programming skills and critical thinking skills in serving the domestic and global community in the relevant area.
PEO 2	Acquire the technical information from various sources in solving the computer related problems through up-to-date programming practices and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Perform as a team player and becoming a market leader in the field of consultancy and skill development with effective communicative skills which will help the organization to grow
PEO 4	Become technically competent with sense of programming and entrepreneurial skills in the area of computer science with a passion of lifelong learning to create their own brand image.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Computer Technology**, the graduates will able to

PSO 1	Ability to understand the programming concepts, methodologies and apply algorithms, mathematical and scientific reasoning to solve ranged computational problems.
PSO 2	Ability to apply emerging software development techniques and tools in providing real-time solutions

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PLO 4	Function and contribute as a team in the diversified environment in taking competitive decision. (Affective)
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PLO 6	Incorporate advanced digital skills in designing, developing, managing and deploying in media and technical field. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills to solve challenging problems with effective solutions. (Cognitive)
PLO 8	Articulate leadership skills in motivating the team towards the target in a multi-disciplinary environment. (Affective)
PLO 9	Recognize the need and ability to involve independent and life-long learning in the changing era of technology. (Affective)
PLO 10	Interpret the impact of professional business solutions on business environment for sustainable development. (Affective)
PLO 11	Follow ethical principles and commit to professional responsibilities for a relevant technical practice. (Affective)

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Department of Electronics and Communication Systems

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Electronics and Communication Systems** are:

PEO 1	Graduates will be practitioner and leaders in the field of Electronics and Communication Systems who would aid the industries to solve the technological problems.
PEO 2	Graduates will be professional, innovators or entrepreneurs engage in development, deployment and implementation of Electronics and Communication technologies in industry.
PEO 3	Graduates will perform in their profession with utmost social awareness and responsibilities.
PEO 4	Graduates will communicates with their peers in the discipline in industrial society to contribute the development of the economy in the country.
PEO 5	Graduates will be successful in pursuing higher education and pursue career paths in teaching or research.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Electronics and Communication Systems**, the graduates will able to

PSO 1	Design and develop systems for applications including Communication Systems, Signal Processing, Embedded Systems, Networking, VLSI, Control Systems, IoT and Robotics.
PSO 2	Use modern tools and techniques to solve raising problems in the field of Electronics and Communication.
PSO 3	Analyze and understand in depth problems and provide innovative design solution to high level thinking to achieve desired outcomes.

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Department of Electronics and Communication Systems

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Electronics and Communication Systems**:

PLO 1	Knowledge: Apply knowledge of Mathematics and Science in solving Electronics related problems. (<i>Cognitive</i>)
PLO 2	Critical Thinking Skills: Demonstrate critical thinking skills in understanding of complex problems and to develop fully reasoned opinions on such contemporary issues. (<i>Cognitive</i>)
PLO 3	Practical Skills: Design and conduct electronics experiments, as well as to analyze and interpret data using scientific/engineering methods. (<i>Psychomotor</i>)
PLO 4	Interpersonal Skills: Function as a member of a multidisciplinary team with sense of ethics, integrity and social responsibility. (<i>Affective</i>)
PLO 5	Communication Skills: Communicate effectively in both verbal and written forms. (<i>Affective</i>)
PLO 6	Digital Skills: Design and manage electronic systems or processes that conforms digital skills within ethical and economic constraints. (<i>Affective</i>)
PLO 7	Numeracy Skills: Identify, formulate, solve and analyze the problems in various disciplines of Electronics. (<i>Cognitive</i>)
PLO 8	Leadership Skills: Become competent by applying their technical and managerial skills. (<i>Affective</i>)
PLO 9	Lifelong Learning Skills: Recognize the need for, and be able to engage in higher studies, research and lifelong learning. (<i>Affective</i>)
PLO 10	Entrepreneurial Skills: Pursue the opportunity to create value and wealth for the betterment of the individual and society at large. (<i>Affective</i>)
PLO 11	Ethics & Professional Skills: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. (<i>Affective</i>)

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Department of Costume Design and Fashion

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Costume Design and Fashion** are:

PEO 1	Graduates should be practitioners and leaders in the field of Costume Design and Fashion and will be able to help solve industry's technological problems.
PEO 2	Graduates will be innovators or entrepreneurs or professionals engaged in development, employment and implementation of latest technology in fashion industry.
PEO 3	Graduates will function with social awareness and responsibility in their respective profession.
PEO 4	Graduates will communicate with utter professionals in different disciplines, industry and society for the economic growth of the country.
PEO 5	Graduates will successfully pursue higher studies in fashion technology or other related field.
PEO 6	Graduates will pursue career path in teaching or research.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Costume Design and Fashion**, the graduates will able to

PSO 1	Design and develop designer portfolio for applications including, trend spotting, fashion forecasting, fashion illustration, apparel pattern making, apparel production, fashion accessories and merchandising.
PSO 2	Use modern equipment and techniques to solve contemporary problems in the field of fashion designing.
PSO 3	Analyse and understand different aspects of problems and provide creative design solution to higher order thinking skills to achieve the desired outcomes.

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Department of Costume Design and Fashion

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Costume Design and Fashion**:

PLO 1	Knowledge - Describe the basic concepts of fashion through wider knowledge on upcoming designing trends.
PLO 2	Critical thinking -To identify, design and meet realistic constrains by applying principles of fashion design through critical thinking skills.
PLO 3	Practical skills - Demonstrate comprehensive designing, patterning, constructing and other technical and operating skills.
PLO 4	Team Work - Working on free flowing communication between team members bringing them closer and work with each other to develop a final product by a group of students.
PLO 5	Communication Skills - To communicate effectively with customers and to build a future design career.
PLO 6	Digital Skills - Use wide range of information, media and technological application in designing, fashion forecasting and technical textiles.
PLO 7	Numerical Skills - Apply quantitative, numerical and statistical skills to develop and conduct appropriate experimentation, analyze and forecast data through visual and graphical data.
PLO 8	Leadership Skills - Demonstrate effective leadership skills to produce solutions that meet specified needs with consideration of public health, safety and welfare as well as global, cultural, social, environmental and economic factors.
PLO 9	Lifelong learning - Display the skills and principles of lifelong learning and continuously update themselves in par with the fashion industry.
PLO 10	Entrepreneurial skills - Enhance designing skills which nurtures individual's creativity along with entrepreneurial skills to be as designers, entrepreneurs or a part of fashion business and retail management.
PLO 11	Ethical and Professional Skills - Understand and commit professionally and independently, to adopt the impact of costume design in their related creative industries.

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Department of Catering Science & Hotel Management

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Catering Science & Hotel Management** are:

PEO 1	Graduates will excel in professional carrier &/ or higher education by accruing solid foundation in hospitality & hotel management.
PEO 2	Graduates will acquire their knowledge of catering and hospitality to solve complex problems in hotel industry.
PEO 3	Graduates will understand the fundamentals of hotel industry in the kitchen operation, front office, accommodation operation, food & beverage services, hotel engineering and bartending.
PEO 4	Graduates will exhibit professional & ethical standard, effectively communicate with the team and will apply multi-disciplinary and trans disciplinary approach.
PEO 5	Graduates will be equipped to work in hospitality industry throughout the globe and functioned as leader entrepreneurs with competency of live long learning.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Catering Science & Hotel Management**, the graduates will able to

PSO 1	Develop proficiency in the management and accounting area in decision making, planning and performance management to formulate and implement organization strategy.
PSO 2	Practical skill set in the field of hotel industry, entrepreneur to start hospitality business with analytical and precision skills.
PSO 3	Pursue professional course for higher education as a pathway of higher learning process.
PSO 4	Use modern equipment and techniques to solve contemporary problems in the field of hospitality industry.

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Department of Catering Science & Hotel Management

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Catering Science & Hotel Management**:

PLO 1	Provide a common body of knowledge in hospitality management coupled with a broad education and awareness of skills and attitudes which will prepare students for responsible leadership roles in the hospitality industry. (Cognitive)
PLO 2	Enhance critical thinking skills & apply them to hospitality complex problems. (Cognitive)
PLO 3	To obtain the technical knowledge and skills needed to emerge as a full-fledged hospitality professional in different organizations and helps students to understand how organizations work and managed. (Psychomotor Skills)
PLO 4	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary hospitality settings. (Interpersonal skills & Team work) (Affective)
PLO 5	Demonstrate the ability to use professional written and oral communication skills and technology to successfully communicate in hospitality industry. (Affective)
PLO 6	Demonstrate use of appropriate technology and techniques in the field of hospitality. (Affective)
PLO 7	To provide the students with an in depth understanding of all basic S.I Units (International system of units) for various Hospitality operations numeracy. (Cognitive)
PLO 8	To develop a range of leadership skills and abilities such as motivating others, leading changes, and resolving conflict (Affective)
PLO 9	Acquire the ability to engage in independent and life-long learning in the broadest context of socio-cultural changes in Hospitality Industry. (Affective)
PLO 10	Equip students with the essential entrepreneurial skills for self-employment. (Affective)
PLO 11	Understand and evaluate issues related to environmental sustainability and ethics to make business decisions. (Affective)

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Department of Bioscience

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Biotechnology** are:

PEO 1	Graduates will be equipped with skills and knowledge and get employment in Bio industries, Pharma Industry, Government departments by imparting the requisite technical skills.
PEO 2	Graduates building their capabilities to work as a team members and able to become entrepreneurs, leaders in industry with ethical responsibility.
PEO 3	Graduates will be motivated to pursue their higher studies and research in leading universities globally.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Biotechnology**, the graduates will able to

PSO 1	Apply knowledge to find innovative solution for Biotechnological problems
PSO 2	Explore problems related to Biotechnology and provide valid solutions through industry – academic interface
PSO 3	Infer the potential and impact from Biotechnological innovations for finding sustainable solutions for issues pertaining to health and public health including pandemic, environment, waste management and agriculture
PSO 4	Graduates will have a scope of employment in (a) Food, Pharmaceutical, Bioprocessing, Bioinformatics (b) Allied industries as an analyst and manager in R and D and quality control Laboratories. (c) As an entrepreneur.

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Department of Bioscience

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Biotechnology**:

PLO 1	Knowledge: An ability to apply knowledge with facts and figures related to various subjects in pure sciences such as Cell biology, Biochemistry, Microbiology, Molecular biology, Bioinstrumentation, Biostatistics, etc. (Cognitive)
PLO 2	Critical Thinking: To enable students to propose novel ideas in explaining facts and figures or providing new solution to the problems. (Cognitive)
PLO 3	Practical Skills: An ability to acquire skills in handling scientific instruments, planning and performing in laboratory experiments to meet desired needs within realistic constraints such as economic, environmental, social, ethical, health and safety, manufacturability, and sustainability in Biotechnology. (Psychomotor Skills)
PLO 4	Team Work: An ability to work as a member of multidisciplinary teams and have an understanding of team members. (Affective)
PLO 5	Communication Skills: Students will communicate scientific concepts, experimental results and analytical arguments clearly and concisely, both verbally and in writing. (Affective)
PLO 6	Digital Skill: Serve as the Programmers, with sound knowledge of practical and theoretical concepts for developing molecular imaging. (Affective)
PLO 7	Numeracy Skills: An ability to conduct experiments, as well as to analyze data with numeracy and statistical skills, understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life. (Cognitive)
PLO 8	Leadership Skills: Ability to lead oneself and others in the achievement of organizational goals, contributing effectively to a team environment. (Affective)
PLO 9	Life Long Learning: Interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments, recognition of the need for, and an ability to engage in life-long learning. (Affective)
PLO 10	Entrepreneur Skills: ability to develop different functional aspects of business world and convert the opportunities in establishing the Bio-business. (Affective)
PLO 11	Ethics and Professionalism: Apply ethical Principles and Commit to professional ethics, responsibilities and norms of the biological sciences practice. (Affective)

SRI KRISHNA ARTS AND SCIENCE COLLEGE

An Autonomous College Affiliated to Bharathiar University

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Coimbatore - 641008, Tamil Nadu, India.

Department of Bioscience

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Microbiology** are:

PEO 1	Graduates will be equipped with skills and knowledge and get employment in Bio industries, Pharma Industry, Government departments by imparting the requisite technical skills.
PEO 2	Graduates building their capabilities to work as a team members and able to become entrepreneurs, leaders in industry with ethical responsibility.
PEO 3	Graduates will be motivated to pursue their higher studies and research in leading universities globally.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Microbiology**, the graduates will able to

PSO 1	Apply knowledge to find innovative solution for Microbiological problems.
PSO 2	Explore problems related to Microbiology and provide valid solutions through industry – academic interface.
PSO 3	Infer the potential and impact from Microbiological innovations for finding sustainable solutions for issues pertaining to health and public health including pandemic, environment, waste management and agriculture.
PSO 4	Graduates will have a scope of employment in (a) Food, Pharmaceutical, Bioprocessing, Bioinformatics (b) Allied industries as an analyst and manager in R and D and quality control Laboratories. (c) As an entrepreneur.

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Coimbatore - 641008, Tamil Nadu, India.

Department of Bioscience

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Microbiology**:

PLO 1	Knowledge: To understand the basic concepts, fundamental principles, and the scientific theories to conduct experiments related to various scientific phenomena and their relevancies in the day-to-day life. (Cognitive)
PLO 2	Critical Thinking: To enable students to propose novel ideas in explaining facts and figures or providing new solution to the problems. (Cognitive)
PLO 3	Practical Skills: An ability to acquire skills in handling scientific instruments, planning and performing in laboratory experiments to meet desired needs within realistic constraints such as economic, environmental, social, ethical, health and safety, manufacturability, and sustainability in microbiology. (Psychomotor Skills)
PLO 4	Team Work: An ability to work as a member of multidisciplinary teams and have an understanding of team members. (Affective)
PLO 5	Communication Skills: Students will communicate scientific concepts, experimental results and analytical arguments clearly and concisely, both verbally and in writing. (Affective)
PLO 6	Digital Skill: Serve as the Programmers, with sound knowledge of practical and theoretical concepts for developing molecular imaging. (Affective)
PLO 7	Numeracy Skills: An ability to analyzed the given scientific data critically and systematically and the ability to draw the objective conclusions. (Cognitive)
PLO 8	Leadership Skills: Ability to lead oneself and others in the achievement of organizational goals, contributing effectively to a team environment. (Affective)
PLO 9	Life Long Learning: Interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments, recognition of the need for, and an ability to engage in life-long learning. (Affective)
PLO 10	Entrepreneur Skills: ability to develop different functional aspects of business world and convert the opportunities in establishing the Bio-business. (Affective)
PLO 11	Ethics and Professionalism: Apply ethical Principles and Commit to professional ethics, responsibilities and norms of the biological sciences practice. (Affective)

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Coimbatore - 641008, Tamil Nadu, India.

Department of Computer Applications

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Computer Science & Applications** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess software & application skills and critical thinking skills in serving the domestic and global community in the relevant area.
PEO 2	Acquire the technical information from various sources in solving the computer related problems through up-to-date programming practices and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Perform as a team player and becoming a market leader in the field of consultancy and skill development with effective communicative skills which will help the organization to grow.
PEO 4	Become technically competent with sense of programming and entrepreneurial skills in the area of computer science with a passion of lifelong learning to create their own brand image.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Computer Science & Applications**, the graduates will able to

PSO 1	Ability to understand the programming concepts, methodologies and apply algorithms, mathematical and scientific reasoning to solve ranged computational problems.
PSO 2	Ability to apply emerging software development techniques and tools in providing real-time solutions.

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Department of Computer Applications

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Computer Science & Applications**:

PLO 1	Identify the program and technical knowledge acquired in the current computational demands. (Cognitive)
PLO 2	Analyze the complex problems and identify solutions through critical thinking skills . (Cognitive)
PLO 3	Adapt to the latest tools and techniques used to develop domain based innovative solutions with the acquired technical and operational skills . (Psychomotor Skills)
PLO 4	Function and contribute as a team in the diversified environment in taking competitive decision. (Affective)
PLO 5	Communicate effectively with the computing community as well as society to comprehend effective documentation and presentation. (Affective)
PLO 6	Incorporate advanced digital skills in designing, developing, managing and deploying in media and technical field. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills to solve challenging problems with effective solutions. (Cognitive)
PLO 8	Articulate leadership skills in motivating the team towards the target in a multi-disciplinary environment. (Affective)
PLO 9	Recognize the need and ability to involve in dependent and life-long learning in the changing era of technology. (Affective)
PLO 10	Interpret the impact of professional business solutions on business environment for sustainable development. (Affective)
PLO 11	Follow ethical principles and commit to professional responsibilities for a relevant technical practice. (Affective)

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Department of Computer Science

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Computer Science with Cognitive Systems** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess software & application skills and critical thinking skills in serving the domestic and global community in the relevant area.
PEO 2	Acquire the technical information from various sources in solving the computer related problems through software development skills and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Perform as a team player and becoming a market leader in the field of consultancy and skill development with effective communicative skills which will help the organization to grow
PEO 4	Become technologically competent with sense of programming and entrepreneurial skills in the area of artificial intelligence with a passion of lifelong learning to create their own brand image

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Computer Science with Cognitive Systems**, the graduates will able to

PSO 1	Ability to understand the programming concepts, methodologies and apply algorithms, mathematical and scientific reasoning to solve ranged computational problems.
PSO 2	Ability to apply emerging software development techniques and tools in providing real-time solutions

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Department of Computer Science

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Computer Science with Cognitive Systems**:

PLO 1	Describe the knowledge of computer science to meet the requirements of current industry standards. (Cognitive)
PLO 2	Analyze challenging problems and solve using critical thinking skills . (Cognitive)
PLO 3	Adapt to implement and evaluate a computational system to meet the pinning needs within realistic constraints. (Psychomotor Skills)
PLO 4	Function effectively in teams to solve problems and produce positive outcomes. (Affective)
PLO 5	Communicate effectively in a variety of professional contexts to promote ideas, goals or products. (Affective)
PLO 6	Incorporate digital tools and techniques in designing software products, prototypes and solutions. (Affective)
PLO 7	Apply appropriate mathematical principles for solving relevant industrial computational problems. (Cognitive)
PLO 8	Initiate and function effectively as an individual to lead teams in diversified environments. (Affective)
PLO 9	Promote professional development growth through contextual, reflective and lifelong learning . (Affective)
PLO 10	Enhance entrepreneurial skill for making the students to undertake independent ventures. (Affective)
PLO 11	Follow ethical principles and commits to professional ethics and responsibilities for a relevant technical practice (Affective)

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Coimbatore - 641008, Tamil Nadu, India.

Department of Commerce

**B.Com, B.Com (CA), B.Com (IT), B.Com (CS), B.Com (PA), B.Com (BPS),
B.Com (AF), B.Com (B&I), B.Com (e-Com), B.Com (BA)**

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Com** are:

PEO 1	Commerce and Management graduates will function in their profession with social awareness and responsibilities.
PEO 2	Commerce and Management graduates will deliver with the programme outcomes in their discipline in their workplace and society and contribute towards the Nation development.
PEO 3	Commerce and Management graduates to be successful in continuing their studies in the higher education in the selected area.

Programme Specific Outcomes (PSOs)

On the completion of **B.Com**, the graduates will able to

PSO 1	Develop proficiency in the management and accounting area in decision making, planning and performance management to formulate and implement organisation strategy.
PSO 2	Practical skill set in the field of accounting, entrepreneurship and taxation with analytical and precision skills
PSO 3	Pursue professional course for higher education as a pathway of higher learning process.

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Coimbatore - 641008, Tamil Nadu, India.

Department of Commerce

**B.Com, B.Com (CA), B.Com (IT), B.Com (CS), B.Com (PA), B.Com (BPS),
B.Com (AF), B.Com (B&I), B.Com (e-Com), B.Com (BA)**

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Com**:

PLO 1	Describe the knowledge of Accounting and Finance concepts and functions in an integrated manner. (Cognitive)
PLO 2	Apply financial, corporate, cost and management accounting concepts and taxation and auditing techniques to facilitate decision making, planning and control through critical thinking skills . (Cognitive)
PLO 3	Demonstrate principles and techniques to formulate operational solutions to the problems concerned, with planning, resourcing, allocation, appraisal and control. (Psychomotor Skills)
PLO 4	Develop team work skills for effective collaboration to ad hoc diverse purposes. (Affective)
PLO 5	Compare effective oral and written communication skills in the professional context. (Affective)
PLO 6	Use a range of IT related skills in the use of word-processing, spreadsheets, software package applications, and in accessing online databases. (Affective)
PLO 7	Elaborate accounting fundamentals and accounting specialization to find solutions to complex problems in business enterprises through numeracy . (Cognitive)
PLO 8	Formulate relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business by leading a team . (Affective)
PLO 9	Apply the accounting and financial concepts in the real time situations as a course of lifelong learning . (Affective)
PLO 10	Compare an entrepreneurial way of thinking that will allow them to identify and create business opportunities that may be commercialized successfully. (Affective)
PLO 11	Integrate Sensitivity towards ethical and moral issues and have ability to address them in the course of business. (Affective)

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Department of Management Science

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **BBA/BBA CA** are:

PEO 1	Graduates will function in business or profession with social awareness and responsibility
PEO 2	Graduates will communicate with their fellow professionals and in other discipline and society and contribute their expertise to the economic growth of the country
PEO 3	Graduates will be successful in pursuing their higher studies in management or their chosen field

Programme Specific Outcomes (PSOs)

On the completion of **BBA/BBA CA**, the graduates will able to

PSO 1	Able to develop proficiency in various fields of management and administration
PSO 2	Enable practical skills in Finance, Marketing, Human Resource, Systems Management and General Management. Will have the ability to effective use of networking for the above functions. They can work as middle level managers, entrepreneurs, management consultants, financial support services like BPOs & KPOs as functional consultants.
PSO 3	Pursue professional course for higher education as a pathway of higher learning process.

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Department of Management Science

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **BBA/BBA CA**:

PLO 1	Describe the knowledge of Accounting and Finance concepts and functions in an integrated manner. (Cognitive)
PLO 2	Apply financial, corporate, cost and management accounting concepts and taxation and auditing techniques to facilitate decision making, planning and control through critical thinking skills . (Cognitive)
PLO 3	Demonstrate principles and techniques to formulate operational solutions to the problems concerned, with planning, resourcing, allocation, appraisal and control. (Psychomotor Skills)
PLO 4	Develop team work skills for effective collaboration to ad hoc diverse purposes. (Affective)
PLO 5	Compare effective oral and written communication skills in the professional context. (Affective)
PLO 6	Use a range of IT related skills in the use of word-processing, spreadsheets, software package applications, and in accessing online databases. (Affective)
PLO 7	Elaborate accounting fundamentals and accounting specialization to find solutions to complex problems in business enterprises through numeracy . (Cognitive)
PLO 8	Formulate relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business by leading a team . (Affective)
PLO 9	Apply the accounting and financial concepts in the real time situations as a course of lifelong learning . (Affective)
PLO 10	Compare an entrepreneurial way of thinking that will allow them to identify and create business opportunities that may be commercialized successfully. (Affective)
PLO 11	Integrate Sensitivity towards ethical and moral issues and have ability to address them in the course of business. (Affective)

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Department of Management Science

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Information Systems & Management (B.Sc. ISM)** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess management skills, computer programming skills and critical thinking skills in serving the domestic and global community in the area of business information system.
PEO 2	Acquire the business information from various sources in solving the business problem through up-to-date programming practices and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Becoming Technologically competent with sense of business programming and entrepreneurial skills in the area of business information system with a passion of lifelong learning to create their own brand image.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Information Systems & Management (B.Sc. ISM)**, the graduates will able to

PSO 1	Develop proficiency in the management and accounting area in decision making, planning and performance management to formulate and implement organization strategy.
PSO 2	Practical skill set in the field of Systems, Computer applications, accounting, entrepreneurship and Programming languages with analytical and precision skills
PSO 3	Pursue professional course for higher education as a pathway of higher learning process.

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Department of Management Science

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Information Systems & Management (B.Sc. ISM)**:

PLO 1	Describe the knowledge of Accounting and Finance concepts and functions in an integrated manner. (Cognitive)
PLO 2	Apply financial, corporate, cost and management accounting concepts and taxation and auditing techniques to facilitate decision making, planning and control through critical thinking skills . (Cognitive)
PLO 3	Demonstrate principles and techniques to formulate operational solutions to the problems concerned, with planning, resourcing, allocation, appraisal and control. (Psychomotor Skills)
PLO 4	Develop team work skills for effective collaboration to ad hoc diverse purposes. (Affective)
PLO 5	Compare effective oral and written communication skills in the professional context. (Affective)
PLO 6	Use a range of IT related skills in the use of word-processing, spreadsheets, software package applications, and in accessing online databases. (Affective)
PLO 7	Elaborate accounting fundamentals and accounting specialization to find solutions to complex problems in business enterprises through numeracy . (Cognitive)
PLO 8	Formulate relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business by leading a team . (Affective)
PLO 9	Apply the accounting and financial concepts in the real time situations as a course of lifelong learning . (Affective)
PLO 10	Compare an entrepreneurial way of thinking that will allow them to identify and create business opportunities that may be commercialized successfully. (Affective)
PLO 11	Integrate Sensitivity towards ethical and moral issues and have ability to address them in the course of business. (Affective)

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Department of Management Sciences

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **BBA Logistics** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess managerial skills and critical thinking skills in serving the domestic and global community in the area of business.
PEO 2	Acquire the information from logistics industry and other relevant sources in solving the problem through modern logistics practices and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Perform as a team player and becoming a market leader in the field of consultancy and skill development with effective communicative skills which will help the organization to grow.

Programme Specific Outcomes (PSOs)

On the completion of **BBA Logistics**, the graduates will able to

PSO 1	Able to develop proficiency in various fields of logistics management and administration
PSO 2	Enable knowledge and practical skills in development and operation of integrated logistics, supply management, warehousing, inventory, and transport will have the ability to effective use of networking for the above functions. They can work as Customer Service Manager, Fulfilment Supervisor, Supply Chain Analyst, Consultant, Transportation Manager, Warehouse Operations Manager and Entrepreneurship
PSO 3	Inculcate in students the ability to gain mastery over professional courses like MBA, CHA and other Civil Service and Competitive examinations.

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Department of Management Sciences

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **BBA Logistics**:

PLO 1	Understanding the basic concepts in logistics thereby gaining potential knowledge associated to logistics sector. (Cognitive)
PLO 2	Evaluate inclusive information system, forecasting inventory and material handling epithet of Logistics issues through critical thinking skills . (Cognitive)
PLO 3	Validate warehouse, transportation and logistics by set foot into technical and operating skills . (Psychomotor Skills)
PLO 4	Form as a team in generating strategic decisions in the field of Logistics and strive for excellence. (Affective)
PLO 5	Communicate effectively both in written and verbal form with professionalism. (Affective)
PLO 6	Applying digital skills framing logistics network designs in resolving issues related to cost reduction transportation rates and data aggregation. (Affective)
PLO 7	Appertain quantitative skills on inventory tracking through computer and associated software. (Cognitive)
PLO 8	Demonstrate effective interpersonal and leadership skills to work efficiently and enforce agile Logistics business operations in a competitive domestic and global environment. (Affective)
PLO 9	Display the skills and principles of lifelong learning in their academic and career development. (Affective)
PLO 10	Intensifying entrepreneurial skills and Professional development through specialist and expert services. (Affective)
PLO 11	Understand and commit professionally, ethically and independently with the ultimate responsibility in line with code of conduct in related field. (Affective)

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Department of Psychology

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Psychology** are:

PEO 1	Graduates will be equipped with skills and knowledge to get employment in industry or institutions as well as in government department by imparting the requisite behavioural skills.
PEO 2	Graduates will have a capability to work in a team become leaders, entrepreneurs, professionals with ethical responsibility.
PEO 3	Graduates will be motivated to persuade higher education in various universities across the globe.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Psychology**, the graduates will able to

PSO 1	Understand the concepts and methodologies in the field of psychology and apply them in Clinical, Counselling, Educational and Industrial areas.
PSO 2	Have the ability to use emerging technical tools of computational science in the root of psychology to provide real time solutions for latest applications.

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Department of Psychology

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Psychology**:

PLO 1	Describe the basic concepts of psychology and to gain wider knowledge in the study of cognition and behaviour.
PLO 2	Understand and learn the theoretical approaches in different fields of psychology using critical thinking skills.
PLO 3	The ability to identify the problem, formulate case studies and its associated intervention in the areas of Clinical, Counselling, Industrial and Educational setting through practical skills.
PLO 4	Work effectively in a team with clients and professionals from various backgrounds, with the essential teamwork skills.
PLO 5	Communicate effectively with clients of various backgrounds and to understand their problem.
PLO 6	Use various digital methods for the purpose of assessments, awareness and promoting mental health among the society.
PLO 7	Apply the numerical , quantitative, qualitative data and statistical skills to conduct research and analyze its outcomes.
PLO 8	Demonstrate the effective leadership skills in leading a team, meeting their needs and provide the necessary solutions.
PLO 9	Exhibit the skills and principles of lifelong learning in academics and profession.
PLO 10	Enhance in individual specialization which nurtures the individual's growth and entrepreneurial skills to become an independent counsellor in the society.
PLO 11	Understand the professional and ethical responsibility and work accordingly in the respective fields.

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Department of Data Science

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **B.Sc. Data Science** are:

PEO 1	Prepare knowledgeable and industry relevant quality graduates who possess programming skills and critical thinking skills in serving the domestic and global community in the relevant area.
PEO 2	Acquire the technical information from various sources in solving the computer related problems through up-to-date programming practices and demonstrate professionalism and ethical values in the relevant field.
PEO 3	Perform as a team player and becoming a market leader in the field of consultancy and skill development with effective communicative skills which will help the organization to grow.
PEO 4	Become technically competent with sense of programming and entrepreneurial skills in the area of computer science with a passion of lifelong learning to create their own brand image.

Programme Specific Outcomes (PSOs)

On the completion of **B.Sc. Data Science**, the graduates will able to

PSO 1	Ability to understand the programming concepts, methodologies and apply algorithms, mathematical and scientific reasoning to solve ranged computational problems
PSO 2	Ability to apply emerging software development techniques and tools in providing real-time solutions.

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Department of Data Science

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **B.Sc. Data Science**:

PLO 1	Identify the programming and technical knowledge acquired in the current computational demands. (Cognitive)
PLO 2	Analyze the complex problems and identify solutions through critical thinking skills. (Cognitive)
PLO 3	Adapt to the latest tools and techniques used to develop domain based innovative solutions with the acquired technical and operational skills. (Psychomotor)
PLO 4	Function and contribute as a team in the diversified environment in taking competitive decision. (Affective)
PLO 5	Communicate effectively with the computing community as well as society to comprehend effective documentation and presentation. (Affective)
PLO 6	Incorporate advanced digital skills in designing, developing, managing and deploying in media and technical field. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills to solve challenging problems with effective solutions. (Cognitive)
PLO 8	Articulate leadership skills in motivating the team towards the target in a multi-disciplinary environment. (Affective)
PLO 9	Recognize the need and ability to involve independent and life-long learning in the changing era of technology. (Affective)
PLO 10	Interpret the impact of professional business solutions on business environment for sustainable development. (Affective)
PLO 11	Follow ethical principles and commit to professional responsibilities for a relevant technical practice. (Affective)

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Department of Computer Science

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Sc. Software Systems** are:

PEO 1	Able to become a software architect capable of architecting and designing systems skills with wider research knowledge in the contemporary software platforms
PEO 2	Become a team <i>leader</i> and work with a <i>group</i> in <i>solving</i> complex <i>problems</i> through up-to-date domain <i>knowledge</i> of the relevant areas including the <i>smart and secure systems</i> through effective <i>communicative skills</i>
PEO 3	Able to keep up-to-date information in advanced knowledge for <i>lifelong learning</i> and provide professional services with competence in the relevant field
PEO 4	Able to demonstrate <i>ethical</i> and <i>professional values</i> in providing services in the relevant field including <i>entrepreneurial skills</i>

Programme Specific Outcomes (PSOs)

On the completion of **M.Sc. Software Systems**, the graduates will able to

PSO 1	Ability to use software development tools, computing platforms and understand the value of lifelong learning.
PSO 2	Ability to apply knowledge of computing to produce effective designs and solutions for real time applications

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Department of Computer Science

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Sc. Software Systems**:

PLO 1	Knowledge: Acquire knowledge in the core theoretical and practical concepts in the computer science domain. (<i>Cognitive</i>)
PLO 2	Critical Thinking Skills: Able to critically think, analyse and provide feasible solutions to real life problems in computing area. (<i>Cognitive</i>)
PLO 3	Practical Skills: Acquire proficiency in the key areas of computer science like object oriented programming, mobile and open source technologies. (<i>Psychomotor</i>)
PLO 4	Team-work Skills: Function effectively as a member and leader in a team, to manage projects and in multidisciplinary environments. (<i>Affective</i>)
PLO 5	Communication Skills: Communicate effectively while developing and presenting effective solutions to the problems. (<i>Affective</i>)
PLO 6	Digital Skills: Select and apply appropriate techniques, resources, tools for prediction and providing solutions to complex real time problems. (<i>Affective</i>)
PLO 7	Numeracy Skills: An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems. (<i>Cognitive</i>)
PLO 8	Leadership Skills: The ability to work independently on a substantial software project and as an effective team member. (<i>Affective</i>)
PLO 9	Lifelong Learning Skills: An ability to engage in life-long learning in the context of technological change. (<i>Affective</i>)
PLO 10	Entrepreneurial Skills: Acquire skills to design, develop and provide effective solutions to become an entrepreneur (<i>Affective</i>)
PLO 11	Ethics & Professional Skills: Apply ethical principles and commit to professional ethics and social responsibilities. (<i>Affective</i>)

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Department of English

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **MA. English** is to:

PEO 1	Become knowledgeable and industry relevant quality graduates who possess understand how British and American literary traditions developed, becoming familiar with significant writers, their works, and the connections between them.
PEO 2	Acquire the information from various sources so as to understand the structure of language and its change over time and across social situations and groups.
PEO 3	Perform and be able to think creatively and critically and to write effectively within all these areas of English Studies.
PEO 4	Be ready and able to pursue a wide range of personal and professional goals or to undertake further graduate studies and develop entrepreneurial skills.

Programme Specific Outcomes (PSOs)

On the completion of **MA. English**, the graduates will able to

PSO 1	Critically interact with works from different contexts: social, political, economic, historical and national as subjects' conscious of their own socio-historic specificity and thus their level of critical thinking is enhanced.
PSO 2	Approach and appreciate British, American, Indian and world literatures in English and explore its uniqueness and its place among the literatures in English.
PSO 3	Learn what language is and what knowledge a language consists of. This is provided by basic examination of internal organization of sentences, words, and sound systems. The course assumes no prior training in linguistics.

SRI KRISHNA ARTS AND SCIENCE COLLEGE

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Coimbatore - 641008, Tamil Nadu, India.

Department of English

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for MA. English:

PLO 1	Develop comprehensive knowledge to analyze the growth of Prose, Poetry, Drama, Language and fiction through the ages. (Cognitive)
PLO 2	Gain analytical thinking skills in order to evaluate Literary works using critical thinking skills through the ages. (Cognitive)
PLO 3	Demonstrate ability to adapt technical and operating skills by constructing literary works in various genres and to revise LSRW skills in language laboratory set up. (Psychomotor)
PLO 4	Formulate with the aid of literary texts instances of interpersonal interactions, perceptions and development of relationships through Team Work . (Affective)
PLO 5	Advocate Communication Skills through literary texts through the interpretation and review of the plethora of literary texts around the world. (Affective)
PLO 6	Adapt digital skills to use media and technological applications to learn and advocate literary skills. (Affective)
PLO 7	Initiate mixed methods research in English language and literature through effective use of numerical and statistical skills . (Cognitive)
PLO 8	Categorize, combine and compile leadership skills through the study of great protagonists found in the books of literature. (Affective)
PLO 9	Theorize values and principles for lifelong learning through effective reading of literature. (Affective)
PLO 10	Seek basic entrepreneurial skills to set up educational institutions, become publishers, playwrights, directors and trainers. (Affective)
PLO 11	Design and maintain Ethical and Professional practices through the study of relevant literature related to professional ethics . (Affective)

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Department of Public Administration

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **MA. Public Administration** are:

PEO 1	Able to manage in the public and related organisations through leadership skills and other contemporary forms of skills with wider research knowledge.
PEO 2	Become a team leader and work with a group in performing research, analysis and criticism of the public and related organisational issues through up-to-date domain knowledge of the relevant areas through effective communicative skills.
PEO 3	Able to develop intellectual flexibility, creativity and diversified culture to engage them in lifelong learning and provide professional services with competence in the relevant field.
PEO 4	Able to demonstrate ethical and professional values in providing services in the relevant field including interdependent world.

Programme Specific Outcomes (PSOs)

On the completion of **MA. Public Administration**, the graduates will able to

PSO 1	Understand the basic concepts of public administration. a) General concept of public administration and bureaucracy. b) Understanding knowledge of human resource management. c) Understanding knowledge of public budgeting and finance. d) Understanding knowledge of policy analysis. e) Understanding knowledge of information management and technology. f) Understanding how administrative responsibility, accountability, efficiency, diversity, and teamwork within the context of government and non-profit public service programs.
PSO 2	Have the research skills to critically analyze public administration issues and analyse managerial issues and policy recommendations.
PSO 3	Have the ability to communicate and interact productively with a diverse and changing workforce and citizenry.
PSO 4	Be able to develop/formulate a public policy response to social or economic problem.

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Coimbatore - 641008, Tamil Nadu, India.

Department of Public Administration

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **MA. Public Administration**:

PLO 1	Acquire in-depth knowledge of theory and practice of Public Administration, including the wider and global perspective, with an ability to compare, evaluate, analyze existing situations and new knowledge, and integration of the same for enhancement of knowledge.
PLO 2	Analyze complex social/administrative problems critically; apply independent judgment for analyzing information to make intellectual and/or rational decisions for conducting social enquiry in a wider theoretical, practical and policy context.
PLO 3	Ability to evaluate the reliability and relevance of evidence; identify logical flaws and gaps in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and addressing opposing viewpoints.
PLO 4	A sense of inquiry and capability for asking relevant/appropriate questions, problematizing, synthesizing and articulating; ability to recognize cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyze, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation.
PLO 5	Think laterally and originally, conceptualize and solve social/administrative problems, consider and examine a wide range of information for those problems and arrive at a rational, feasible, optimal decision after considering the legitimacy, democratic principles, efficiency and economy and above all the public interest in a specific cultural, societal and environmental setting.
PLO 6	Create, select, learn and apply appropriate techniques, resources, and managerial/administrative practices and modern IT tools, including prediction and modeling to complex social/administrative situations.
PLO 7	Possess knowledge and understanding of group dynamics, recognize opportunities and contribute positively to collaborative multidisciplinary scientific research, demonstrate a capacity for self-management and teamwork, decision-making based on open-mindedness, objectivity and rational analysis in order to achieve common goals and further self-learning as also that of others.

PLO 8	Communicate with all concerned stakeholders, community leadership and with society at large regarding complex social, political and administrative activities confidently and effectively, endowing the graduate with abilities such as, being able to comprehend and write effective reports and design documentation by adhering to appropriate standards, make effective presentations, and give and receive clear instructions
PLO 9	Capability for mapping out the tasks of a team or an organization, setting direction; motivating and inspiring team members to engage with the team objectives/vision; and using management skills to follow the mapped path to the destination in a smooth and efficient way.
PLO 10	Recognize the need for and have acquired the ability to engage in life-long independent learning, with a high level of enthusiasm and commitment, to unceasingly improve knowledge and competence.
PLO 11	Acquire professional and intellectual integrity, professional code of conduct, ethics of research and scholarship, thoughtfulness of the impact of research outcomes on professional practices and an understanding of the responsibility to contribute to the community for sustainable development of society.

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Department of Mathematics & Statistics

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Sc. Mathematics with Big Data** are:

PEO 1	Become knowledgeable in multidisciplinary area in by applying mathematical skills through analyze, interpret and formulate strategic plans in the field with wider research knowledge.
PEO 2	Able to keep up-to-date information in solving the problems critically through numerical knowledge for lifelong learning and provide professional services with competence in the relevant field.
PEO 3	Perform as a team leader and work with a group in solving complex problems through up-to-date domain knowledge of the relevant areas including the interdisciplinary fields through acquiring information from various sources and effective communicative skills.
PEO 4	Able to demonstrate ethical and professional values in providing services in the relevant field including entrepreneurial skills.

Programme Specific Outcomes (PSOs)

On the completion of **M.Sc. Mathematics with Big Data**, the graduates will able to

PSO 1	Design innovative solution to the critical problems in the areas of Mathematics, Statistics and Computer sectors by considering social and ethical dimensions.
PSO 2	Handle huge data and evaluate trends influencing any fields and formulate competitive strategies.
PSO 3	Develop strong theory and relevant research output with data visualization that would solve the problems relating to industries.

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Coimbatore - 641008, Tamil Nadu, India.

Department of Mathematics & Statistics

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Sc. Mathematics with Big Data**:

PLO 1	Describe the theoretical concepts and conventions through wider knowledge related to the current trends. (Cognitive)
PLO 2	Develop skills in logical thinking and resolving complex problems through critical thinking skills . (Cognitive)
PLO 3	Establish technical and operational skills in solving the multidisciplinary tasks related to current areas of research in the field. (Psychomotor)
PLO 4	Form as a team in generating competitive decisions through projects in the field of Mathematics and strive for excellence. (Affective)
PLO 5	Apply scientific approach and capability to undertake responsibilities for sustainable growth in professional by ensuring effective communication both in verbal and nonverbal form. (Affective)
PLO 6	Using wide range of information, media and technological application and utilizing the recent social and digital skills platform in solving the current issues in the field of Mathematics. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills through the visual and graphical aids for related problems in order to develop research biased knowledge. (Cognitive)
PLO 8	Progressively adopt effective leadership skills to work efficiently in a competitive domestic and global environment. (Affective)
PLO 9	Display the skills and principles of lifelong learning in their academic, career, research development and contribute to the economic growth of a country. (Affective)
PLO 10	Enhance entrepreneurial skills and professional development through consultancy and extension services at a competitive level. (Affective)
PLO 11	Progressively adopt and appreciate professional ethics also commit professionally, ethically, and independently with the ultimate responsibility in line with code of conduct in related field. (Affective)

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Department of Computer Science

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Sc. Computer Science** are:

PEO 1	Develop programme with area of specialization with software skills through modern IT methods in the field with wider research knowledge.
PEO 2	Become a team leader and work with a group in solving complex problems through up-to-date domain knowledge of the relevant areas including the software and hardware skills through effective communicative skills.
PEO 3	Keep up-to-date information in advanced knowledge for lifelong learning and provide professional services with competence in the relevant field
PEO 4	Demonstrate ethical and professional values in providing services in the relevant field including entrepreneurial skills.

Programme Specific Outcomes (PSOs)

On the completion of **M.Sc. Computer Science**, the graduates will able to

PSO 1	Ability to understand the programming concepts, methodologies and apply algorithms, mathematical and scientific reasoning to solve ranged computational problems.
PSO 2	Ability to apply emerging software development techniques and tools in providing real-time solutions.

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Department of Computer Science

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Sc. Computer Science**:

PLO 1	Apply the comprehensive knowledge to real life problems to meet the core competency with continuous up graduation (Cognitive)
PLO 2	Learn the technological advancements and understand the usage of modern design and development tools. (Cognitive)
PLO 3	Ability to become proficient in the concepts and applications in the key areas of computer science like Web designing and development, Mobile applications, Network and communication technologies by exploring the scope in the field of research (Psychomotor)
PLO 4	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings with management principles, required to work in a team with stewardship of the society (Affective)
PLO 5	Communicate in both oral and written forms, demonstrating the practice of professional ethics and the concerns for social welfare (Affective)
PLO 6	Ability to model, analyze, design, visualize and realize physical systems or processes of increasing size and complexity (Affective)
PLO 7	Demonstrate the extended investigation of mathematical models to resolve real time problems (Cognitive)
PLO 8	Develop technical and managerial skills needed to be an effective leader as an entrepreneur or in a software concern (Affective)
PLO 9	Recognize the need and ability to involve independent and life-long learning in the changing era of technology (Affective)
PLO 10	Apply designing skills to address various social problems identified in private and public sectors and to take up entrepreneurship in business applications (Affective)
PLO 11	Demonstrate professionally with social, cultural and ethical responsibility as an individual as well as in multifaceted teams with positive attitude (Affective)

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Department of Information and Computer Technology

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Sc. Computer Technology** are:

PEO 1	Become next generation of business and technology leaders with skills requires to tackling the challenges through modern IT methods in the field with wider research knowledge.
PEO 2	Become a team leader and work with a group in solving complex problems through up-to-date domain knowledge of the relevant areas including the valuable hands –on experiences through effective communicative skills.
PEO 3	Keep up-to-date information in advanced knowledge for lifelong learning and provide professional services with competence in the relevant field.
PEO 4	Demonstrate ethical and professional values in providing services in the relevant field including entrepreneurial skills.

Programme Specific Outcomes (PSOs)

On the completion of **M.Sc. Computer Technology**, the graduates will able to

PSO 1	Ability to practice and grow as computing professionals, conducting research and/or leading, designing, developing or maintaining projects in various technical areas of computer science.
PSO 2	Ability to utilize knowledge and skills in computer science effectively for improving the society.

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Department of Information and Computer Technology

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Sc. Computer Technology**:

PLO 1	Develop an ability to apply knowledge of computing and mathematics appropriate to the discipline. (Cognitive)
PLO 2	Gain analytical thinking skills in the areas of technology that helps to design, implement, and evaluate a computational system to meet desired needs within realistic constraints. (Cognitive)
PLO 3	Demonstrate ability to adapt and incur the current industry techniques and new competencies to handle computing practice in real time applications. (Psychomotor)
PLO 4	Acquire the spirit of compassion and commitment that function effectively on teams to accomplish shared computing design, evaluation and implementation goals. (Affective)
PLO 5	Apply scientific approach and capability to undertake responsibilities for sustainable growth in industry and technology by ensuring effective communication with diverse stakeholders. (Affective)
PLO 6	Enhance and utilize the recent digital tools and techniques in designing software products, prototypes and solutions for effective progression of computing at the Global arena. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills through professional standards for resolving relevant industrial computational problems. (Cognitive)
PLO 8	Function effectively as part of a team to develop and deliver quality software artifacts in multidisciplinary domains. (Affective)
PLO 9	Explore historical, current, and emerging techniques and technologies, founded on a commitment to lifelong learning and professional development. (Affective)
PLO 10	Enhance entrepreneurial skills for making the students to undertake independent ventures and understand the impact of professional business solutions for sustainable development. (Affective)
PLO 11	Progressively design computing solutions using approaches that integrate ethical , social, legal, and economic responsibilities. (Affective)

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Department of Information and Computer Technology

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Sc. Information Technology** are:

PEO 1	Become next generation of business and technology leaders with skills requires to tackling the challenges through modern IT methods in the field with wider research knowledge.
PEO 2	Become a team leader and work with a group in solving complex problems through up-to-date domain knowledge of the relevant areas including the valuable hands –on experiences through effective communicative skills.
PEO 3	Keep up-to-date information in advanced knowledge for lifelong learning and provide professional services with competence in the relevant field.
PEO 4	Demonstrate ethical and professional values in providing services in the relevant field including entrepreneurial skills.

Programme Specific Outcomes (PSOs)

On the completion of **M.Sc. Information Technology**, the graduates will able to

PSO 1	Ability to practice and grow as computing professionals, conducting research and/or leading, designing, developing or maintaining projects in various technical areas of computer science.
PSO 2	Ability to utilize knowledge and skills in computer science effectively for improving the society.

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Department of Information and Computer Technology

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Sc. Information Technology**:

PLO 1	Develop an ability to apply knowledge of computing and mathematics appropriate to the discipline. (Cognitive)
PLO 2	Gain analytical thinking skills in the areas of technology that helps to design, implement, and evaluate a computational system to meet desired needs within realistic constraints (Cognitive)
PLO 3	Demonstrate ability to adapt and incur the current industry techniques and new competencies to handle computing practice in real time applications. (Psychomotor)
PLO 4	Acquire the spirit of compassion and commitment that function effectively on teams to accomplish shared computing design, evaluation and implementation goals. (Affective)
PLO 5	Apply scientific approach and capability to undertake responsibilities for sustainable growth in industry and technology by ensuring effective communication with diverse stakeholders. (Affective)
PLO 6	Enhance and utilize the recent digital tools and techniques in designing software products, prototypes and solutions for effective progression of computing at the Global arena. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills through professional standards for resolving relevant industrial computational problems. (Cognitive)
PLO 8	Function effectively as part of a team to develop and deliver quality software artifacts in multidisciplinary domains. (Affective)
PLO 9	Explore historical, current, and emerging techniques and technologies, founded on a commitment to lifelong learning and professional development. (Affective)
PLO 10	Enhance entrepreneurial skills for making the students to undertake independent ventures and understand the impact of professional business solutions for sustainable development. (Affective)
PLO 11	Progressively design computing solutions using approaches that integrate ethical , social, legal, and economic responsibilities. (Affective)

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Department of Electronics and Communication Systems

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Sc. Electronics and Communication Systems** are:

PEO 1	Able to become scientific designer in the field of Electronics and Communication Systems through application of modern tools and design strategic plans with wider research knowledge.
PEO 2	Become a team leader and work with a group in solving complex problems through up-to-date domain knowledge of the relevant areas with effective communicative skills.
PEO 3	Able to use advanced knowledge in lifelong learning and research.
PEO 4	Able to demonstrate ethical and professional values in providing services in the relevant field including entrepreneurial skills.

Programme Specific Outcomes (PSOs)

On the completion of **M.Sc. Electronics and Communication Systems**, the graduates will able to

PSO 1	Design and develop systems for applications including Communication Systems, Signal Processing, Embedded Systems, Networking, VLSI, Control Systems, IoT and Robotics.
PSO 2	Use modern tools and techniques to solve raising problems in the field of Electronics and Communication.
PSO 3	Analyze and understand in depth problems and provide innovative design solution to high level thinking to achieve desired outcomes.

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Department of Electronics and Communication Systems

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Sc. Electronics and Communication Systems**:

PLO 1	Knowledge: Apply the knowledge of Electronic Science, Mathematics, Computer Fundamentals and Communication specialization to the solution of complex scientific problems. (<i>Cognitive</i>)
PLO 2	Critical Thinking Skills: Use critical thinking to carry out research /investigation and development work to solve complex engineering problems. (<i>Cognitive</i>)
PLO 3	Practical Skills: Develop a passion for hardware and software design and be part of the electronic design industry/software company to become leaders in indigenous product development. (<i>Psychomotor</i>)
PLO 4	Team-work Skills: Function effectively on teams to accomplish a common goal and build a team for group work in various settings. (<i>Affective</i>)
PLO 5	Communication Skills: Exhibit good communication skills in writing reports, documenting complex scientific activities and give presentations to scientific communities. (<i>Affective</i>)
PLO 6	Digital Skills: Design electronic systems which are in tune with current digital technology and adaptable for future changes. (<i>Affective</i>)
PLO 7	Numeracy Skills: Capture the credibility of mathematics in digital world through development of mathematical model of the systems. (<i>Cognitive</i>)
PLO 8	Leadership Skills: Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments. (<i>Affective</i>)
PLO 9	Lifelong Learning Skills: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. (<i>Affective</i>)
PLO 10	Entrepreneurial Skills: Emerge as socially responsible entrepreneur. (<i>Affective</i>)
PLO 11	Ethics & Professional Skills: Apply professional and ethical principles and function with responsibility. (<i>Affective</i>)

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Department of Bioscience

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Sc. Biotechnology** are:

PEO 1	Graduates will be equipped with skills and knowledge and get employment in Bio industries, Pharma Industry, Government departments by imparting the requisite technical skills.
PEO 2	Graduates building their capabilities to work as a team member and able to become entrepreneurs, leaders in industry with ethical responsibility.
PEO 3	Graduates will be motivated to pursue their higher studies and research in leading universities globally

Programme Specific Outcomes (PSOs)

On the completion of **M.Sc. Biotechnology**, the graduates will able to

PSO 1	Apply knowledge to find innovative solution for Biotechnological problems
PSO 2	Explore problems related to Biotechnology and provide valid solutions through industry – academic interface
PSO 3	Infer the potential and impact from Biotechnological innovations for finding sustainable solutions for issues pertaining to health and public health including pandemic, environment, waste management and agriculture
PSO 4	Graduates will have a scope of employment in (a) Food, Pharmaceutical, Bioprocessing, Bioinformatics (b) Allied industries as an analyst and manager in R and D and quality control Laboratories. (c) As an entrepreneur.

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Department of Bioscience

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Sc. Biotechnology**:

PLO 1	Knowledge: An ability to apply knowledge with facts and figures related to various subjects in pure sciences such as Cell biology, Biochemistry, Microbiology, Molecular biology, Bioinstrumentation, Biostatistics, etc. (Cognitive)
PLO 2	Critical Thinking: to enable students to propose novel ideas in explaining facts and figures or providing new solution to the problems. (Cognitive)
PLO 3	Practical Skills: An ability to acquire skills in handling scientific instruments, planning and performing in laboratory experiments to meet desired needs within realistic constraints such as economic, environmental, social, ethical, health and safety, manufacturability, and sustainability in Biotechnology. (Psychomotor Skills)
PLO 4	Team Work: An ability to work as a member of multidisciplinary teams and have an understanding of team members. (Affective)
PLO 5	Communication Skills: Students will communicate scientific concepts, experimental results and analytical arguments clearly and concisely, both verbally and in writing. (Affective)
PLO 6	Digital Skill: Serve as the Programmers, with sound knowledge of practical and theoretical concepts for developing molecular imaging. (Affective)
PLO 7	Numeracy Skills: An ability to conduct experiments, as well as to analyze data with numeracy and statistical skills, understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life. (Cognitive)
PLO 8	Leadership Skills: Ability to lead oneself and others in the achievement of organizational goals, contributing effectively to a team environment. (Affective)
PLO 9	Life Long Learning: Interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments, recognition of the need for, and an ability to engage in life-long learning. (Affective)
PLO 10	Entrepreneur Skills: Ability to develop different functional aspects of business world and convert the opportunities in establishing the Bio-business. (Affective)
PLO 11	Ethics and Professionalism: Apply ethical Principles and Commit to professional ethics, responsibilities and norms of the biological sciences practice. (Affective)

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Department of Bioscience

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Sc. Bioinformatics**

PEO 1	Graduates will be equipped with skills and knowledge and get employment in Bio - industries, Pharma Industry, Government departments by imparting the requisite technical skills.
PEO 2	Graduates building their capabilities to work as a team member and able to become entrepreneurs, leaders in industry with ethical responsibility.
PEO 3	Graduates will be motivated to pursue their higher studies and research in leading universities globally.

Programme Specific Outcomes (PSOs)

On the completion of **M.Sc. Bioinformatics**, the graduates will able to

PSO 1	Apply knowledge to find innovative solution for Bioinformatics problems
PSO 2	Explore problems related to Bioinformatics and provide valid solutions through industry – academic interface
PSO 3	Infer the potential and impact from Biotechnological innovations for finding sustainable solutions for issues pertaining to health and public health including pandemic, environment, waste management and agriculture
PSO 4	Graduates will have a scope of employment in (a) Food, Pharmaceutical, Bioprocessing, Bioinformatics (b) Allied industries as an analyst and manager in R and D and quality control Laboratories. (c) As an entrepreneur.

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Department of Bioscience

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Sc. Bioinformatics**:

PLO 1	Knowledge: An ability to apply knowledge with facts and figures related to various subjects in pure sciences such as Cell biology, Biochemistry, Microbiology, Molecular biology, Bioinstrumentation, Biostatistics, Bioinformatics etc. (Cognitive)
PLO 2	Critical Thinking: To enable students to propose novel ideas in explaining facts and figures or providing new solution to the problems. (Cognitive)
PLO 3	Practical Skills: An ability to acquire skills in handling scientific instruments, planning and performing in laboratory experiments to meet desired needs within realistic constraints such as economic, environmental, social, ethical, health and safety, manufacturability, and sustainability in Biotechnology. (Psychomotor Skills)
PLO 4	Team Work: An ability to work as a member of multidisciplinary teams and have an understanding of team members. (Affective)
PLO 5	Communication Skills: Students will communicate scientific concepts, experimental results and analytical arguments clearly and concisely, both verbally and in writing. (Affective)
PLO 6	Digital Skill: Serve as the Programmers, with sound knowledge of practical and theoretical concepts for developing molecular docking studies. (Affective)
PLO 7	Numeracy Skills: An ability to conduct experiments, as well as to analyze data with numeracy and statistical skills, understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life. (Cognitive)
PLO 8	Leadership Skills: Ability to lead oneself and others in the achievement of organizational goals, contributing effectively to a team environment. (Affective)

PLO 9	Life Long Learning: Interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments, recognition of the need for, and an ability to engage in life-long learning. (Affective)
PLO 10	Entrepreneur Skills: ability to develop different functional aspects of business world and convert the opportunities in establishing the Bio-business. (Affective)
PLO 11	Ethics and Professionalism: Apply ethical Principles and Commit to professional ethics, responsibilities and norms of the biological sciences practice (Affective)

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Department of Master of Social Work

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the MSW are:

PEO 1	Ability to become a social work practitioner through social work research methods and to develop strategic field plans with broader research knowledge. Development and related domains able to work on different levels of micro, meso and macro systems.
PEO 2	Become a team leader and work with a group in solving complex problems through up-to-date domain knowledge of the relevant areas including the method of intervention to their concentration through effective communicative skills.
PEO 3	Be able to keep up-to-date information on advanced knowledge for lifelong learning and provide professional services competent in the relevant field.
PEO 4	Capable of demonstrating ethical and professional values by providing services in the relevant field, including entrepreneurship skills. Facilitate an interdisciplinary approach to understanding social problems, situations and development issues.

Programme Specific Outcomes (PSOs)

On the completion of MSW, the graduates will able to

PSO 1	To develop skills in work at micro, mezzo and macro levels through strategic planning, governance, advocacy, activism, and research in a variety of institutional and non-institutional settings, and contexts including disaster and conflict.
PSO 2	To develop sensitivity to various ethical issues and practices in various fields of social work and engage actively in various regulatory bodies overseeing health ethics and human rights.
PSO 3	To engage in policy practice to advance social and economic well-being and to deliver effective social work services.
PSO 4	Practice methods of Social Work for problem solving in various fields.

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Department of Master of Social Work

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for MSW:

PLO 1	Knowledge - Describe the common body of knowledge in Social Work coupled with a broad education and awareness of skills and attitudes which will prepare students for responsible citizenship to act Global.
PLO 2	Critical thinking - Evaluating critical thinking skills and applying them to complex social issues.
PLO 3	Technical & Operating Skills - Practice the technical knowledge and skills needed to emerge as a full-fledged professional social worker in different organizations and helps students to understand how organizations work and administered both Government and Non-Government.
PLO 4	Interpersonal Skills & Teamwork - Constructed as an individual, and as a member or leader in diverse teams, and in a multidisciplinary social work approach. These skills and tools include time management, meeting management and scheduling, group dynamics and team building.
PLO 5	Communication Skills - Mimic the ability to use professional written and oral communication skills and technology to successfully communicate in any environment.
PLO 6	Digital Skills - Observe use of appropriate technologies and techniques in the field of social work Reporting and Research.
PLO 7	Numerical Skills - Analyse the students with an in depth understanding of all basic SPSS (Statistical Package for the So2cial Sciences) and Microsoft Excel for various Calculation, Research and Problem Solving operations. Practice-oriented research and research-oriented social work.
PLO 8	Leadership Skills - Look for a range of leadership skills and abilities, such as motivating others, being an agent of change, advocacy and conflict resolution.
PLO 9	Lifelong learning & personal skills - Influence the ability to engage in independent and lifelong learning in the broadest context of sociocultural, economic, environmental, political and psychological changes in the society.
PLO 10	Entrepreneurial skills - Introduce students with entrepreneurial skills that are essential for self-employment.
PLO 11	Ethical and Professional Skills - Organize as professional social workers, and apply social work ethical principles to guide professional practice.

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Department of Commerce

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Com** are:

PEO 1	Become knowledgeable and industry relevant quality graduates who possess modern commercial practices, and operational skills in serving and leading the domestic and global community in the area of Commerce.
PEO 2	Acquire the information from various sources in solving the problems critically through numeracy skills and demonstrate professionalism and ethical values and portray good governance at national and international organization.
PEO 3	Perform as a team player and a market leader in the field of consultancy and skill development relating to commerce related industry through effective communicative skills.
PEO 4	Able to demonstrate ethical and professional values in providing services in the relevant field including entrepreneurial skills

Programme Specific Outcomes (PSOs)

On the completion of **M.Com**, the graduates will able to

PSO 1	Design creative solution to the problems in the areas of Commerce considering social and ethical dimensions.
PSO 2	Evaluate global trends influencing the commerce related industries and formulate competitive strategies.
PSO 3	Develop theoretically relevant and empirically strong research output that would solve the problems relating to Commerce.

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Department of Commerce

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Com**:

PLO 1	Develop comprehensive knowledge in the subject of Commerce and apply the principles of the same to the needs of the employer and their own business enterprises. (Cognitive)
PLO 2	Gain analytical thinking skills in the areas of Commerce relating to financing and documentation. (Cognitive)
PLO 3	Demonstrate ability to adapt technical and operating skills to a rapidly changing environment by having learned and apply new skills and new competencies to diversify business. (Psychomotor)
PLO 4	Acquire the spirit of compassion, kinship and commitment for national harmony ensuring and establishing team work across various Cultures. (Affective)
PLO 5	Apply scientific approach and capability to undertake responsibilities for sustainable growth in Commerce by ensuring effective communicative skills to perform globally. (Affective)
PLO 6	Enhance and utilize the recent social and digital skills platform for effective progression of marketing at the Global Arena. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills through the visual and graphical aids for resolving strategies when companies diversify to newer markets. (Cognitive)
PLO 8	Progressively adopt and device leadership skills to work in multi-cultural environment of diversified businesses. (Affective)
PLO 9	Display the skills and principles of lifelong learning and contribute to the economic growth of a country. (Affective)
PLO 10	Emerge as export entrepreneurs by enhancing entrepreneurial skills , understanding the global opportunities and formulate strategies to cater the needs of global customers. (Affective)
PLO 11	Progressively adopt and appreciate professional ethics , community living and nation building activities and commit to pursue research in the field of EXIM Credit, Foreign Exchange Reserves and International Marketing and acquire core competency ethically and quality for employment in business engaged in global operations. (Affective)

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Department of Commerce

Programme Educational Objectives (PEOs)

The Programme Educational Objectives of the **M.Com (International Business) (M.Com IB)** are:

PEO 1	Become knowledgeable and industry relevant quality graduates who possess modern commercial practices, and operational skills in serving and leading the domestic and global community in the area of Commerce and International Business
PEO 2	Acquire the information from various sources in solving the problems critically through numeracy skills and demonstrate professionalism and ethical values and portray good governance at national and international organization.
PEO 3	Perform as a team player and a market leader in the field of consultancy and skill development relating to commerce related industry through effective communicative skills.
PEO 4	Able to demonstrate ethical and professional values in providing services in the relevant field including entrepreneurial skills.

Programme Specific Outcomes (PSOs)

On the completion of **M.Com (International Business) (M.Com IB)**, the graduates will able to

PSO 1	Design creative solution to the problems in the areas of Commerce and International Business considering social and ethical dimensions.
PSO 2	Evaluate global trends influencing the commerce related industries and formulate competitive strategies.
PSO 3	Develop theoretically relevant and empirically strong research output that would solve the problems relating to Commerce and International business.

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Department of Commerce

Programme Learning Outcomes (PLOs)

The following Programme Learning Outcomes have been identified for **M.Com (International Business) (M.Com IB)**:

PLO 1	Develop comprehensive knowledge in the subject of International Business and apply the principles of the same to the needs of the employer and their own business enterprises. (Cognitive)
PLO 2	Gain analytical thinking skills in the areas of Commerce and International trade procedures relating to financing and documentation, logistics operations by evaluating international business strategies. (Cognitive)
PLO 3	Demonstrate ability to adapt technical and operating skills to a rapidly changing environment by having learned and apply new skills and new competencies to diversify business internationally. (Psychomotor)
PLO 4	Acquire the spirit of compassion, kinship and commitment for national harmony ensuring and establishing teamwork across various Cultures. (Affective)
PLO 5	Apply scientific approach and capability to undertake responsibilities for sustainable growth in Commerce and International Business by ensuring effective communicative skills to perform globally. (Affective)
PLO 6	Enhance and utilize the recent social and digital skills platform for effective progression of marketing at the Global Arena. (Affective)
PLO 7	Apply quantitative, numerical and statistical skills through the visual and graphical aids for resolving strategies when companies diversify to newer markets. (Cognitive)
PLO 8	Progressively adopt and device leadership skills to work in multicultural environment of diversified businesses. (Affective)
PLO 9	Display the skills and principles of lifelong learning and contribute to the economic growth of a country. (Affective)
PLO 10	Emerge as export entrepreneurs by enhancing entrepreneurial skills , understanding the global opportunities and formulate strategies to cater the needs of global customers. (Affective)
PLO 11	Progressively adopt and appreciate professional ethics , community living and nation building activities and commit to pursue research in the field of EXIM Credit, Foreign Exchange Reserves and International Marketing and acquire core competency ethically and quality for employment in business engaged in global operations. (Affective)