

MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI (Autonomous)

Department of Tamil Programme Name: M.A Tamil



I - PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- அரசு, தனியார் மற்றும் ஆராய்ச்சி நிறுவனங்கள் போன்ற பல்வேறு தளங்களில் முன்னோக்குச் செயல்பாடுகள், தொழில் முனைவோர் நிலை, பணிவாய்ப்பு போன்றவற்றைப் பெறுவதற்குரிய புதிய அறிவுப்படைப்பாளராகப் பட்டதாரிகளை உருவாக்குதல்.
- பட்டதாரிகள் தத்தம் துறைகளில் புதிய தொழில்நுட்பங்களைக் கண்டுபிடிக்கவும் பின்பற்றவும் பயிற்சியளித்தல்.
- சார்பற்ற நிலையில் அறிவை வெளிப்படுத்தும் வாழ்க்கை முழுவதற்குமான கற்றல் செயல்பாட்டில் ஈடுபடுவதற்கு மாணவர்களைப் பயிற்றுவித்தல்.
- தரவுகளை விளக்கவும் பகுப்பாய்வு செய்வதற்குமுரிய மாதிரிகளை உருவாக்குதல். ஆய்வுகளை வடிவமைத்தல், நடத்துதல் ஆகிய திறன் பொருந்தியவர்களாய் பட்டதாரிகளை வடிவமைத்தல்.
- பட்டதாரிகள் மொழிகள் மற்றும் பண்பாடுகள் தொடர்பான கண்டுபிடிப்புகளை வலுவாக வெளிப்படுத்தும் திறன் பெறுதல்.

II - PROGRAMME OUTCOMES (PO's)

- மாணவர்களின் இலக்கிய இலக்கண அறிவு மேம்படுவதோடு தமிழ் மொழியின் ஆளுமையை அறிய உதவுகிறது.
- காலந்தோறும் மாற்றம் பெற்று வந்த இலக்கிய வகைமைகளையும் இலக்கிய மரபுகளையும் உணர உதவுகிறது.
- பன்முக இலக்கியங்களைக் கற்பதால் சிறந்த ஆளுமைத் திறனையும் கருத்து வெளிப்பாட்டுத் திறனையும் அறிய உதவுகிறது.
- மனித வாழ்வியல் மதிப்பீடுகளை உணரும் திறன் மேம்படுகிறது.
- மாநில மைய அரசுகளின் போட்டித் தேர்வுகளை திறமையாக எதிர்கொள்ள உதவுகிறது.
- பண்பாடு, கலாச்சாரம் வரலாறு தொடர்புடைய அகழாய்வுப் பணிகளில் ஈடுபட உதவுகிறது.
- சுற்றுலாத்துறை வழிகாட்டியாகச் செயல்பட உதவுகிறது.
- தொலைக்காட்சி, வானொலி, செய்தி இதழ்கள் போன்றவற்றில் பணியாற்ற வாய்ப்பளிக்கிறது.
- மாணவர்களின் படைப்பாற்றல் திறன் அதிகரிக்க உதவுகிறது.
- காலந்தோறும் மாறிவரும் பண்பாட்டை அறிய உதவுகிறது.

**MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI
(Autonomous)**

Department of English

Programme Name: M.A., (English)



I-PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- Educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture.
- Provide students with the critical faculties necessary in an academic environment, on the job, and in an increasingly complex, interdependent world.
- The programme aims to develop the ability of students to critically examine and restate their understanding of literary texts employing individual linguistic skills, engendering application of literary concepts and critical approaches to arrive at the core and essence of narratives.
- The learning process would also lead to a larger comprehension of global and national social issues thereby facilitating the students to address them proactively.

II- PROGRAMME OUTCOMES (PO's)

- Interpret and demonstrate he/her understanding of form, structure, narrative techniques, devices and style.
- To analyse and apply various literary concepts and critical approaches.
- To organize and integrate the acquired knowledge towards individualistic compositions.
- Will be able to present, appraise and defend arguments with conviction and confidence.
- Employability Skills that will enable the students to explore career in Teaching and Research in English.

MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI
(Autonomous)
Department of Mathematics

Programme Name: M.Sc., Mathematics



I - PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- Graduates are prepared to be creators of new knowledge leading to Innovation and entrepreneurship employable in various sectors such as private, government, and research organizations.
- Graduates are trained to evolve new technologies in their own Discipline.
- Exhibit continuous learning and research for the societal upliftment with human values and ethics.
- Graduates are groomed to engage in lifelong learning process by exploring their knowledge independently.
- Graduates are framed to design and conduct experiments / demo's /creates models to analyze and interpret data.
- Graduates ought to have the ability to communicate their findings effectively by incorporating the existing knowledge.

II - PROGRAMME OUTCOMES (PO's)

- Higher degree of technical skills in problem solving and application development.
- Aptitude skills that will help to take up research in pure and applied Mathematics.
- Reasoning skills required to learn advance mathematics and Probing attitude and a search for deeper knowledge in science.
- The relevance and applications of Mathematics in scientific phenomenon Positive approach towards Higher Education in Mathematics.
- Employability Skills that will enable the students to explore career in Teaching and Research in Mathematics.
- Gaining the basic with strong background to contribute more in basic research.

MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI (Autonomous)

Department of Physics

Programme Name: M.Sc., Physics



I - PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- Technical Proficiency: Obtaining successful employment to their respective interests, education and to become socially responsible physicist
- Professional growth: Developing life long learning, higher education and research in their respective areas of specialization
- Management growth: Improving leadership quality through innovative manner

II - PROGRAMME OUTCOMES (PO's)

- **Knowledge:** has substantial knowledge in physics and basic knowledge in mathematics along with advanced knowledge in some areas in physics
- **Skill:** can combine and use knowledge from several disciplines and independently assess and evaluate research methods and results
- **General competence:** has the ability to successfully carry out advanced tasks and projects, both independently and in collaboration with others, and also across disciplines

MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI (Autonomous)

Department of Chemistry

Programme Name: M.Sc., Chemistry



I - PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- ❖ To develop
 - Human Values and Social Responsibilities in the context of learning Chemistry
 - Positive approach towards Environment and Ecology from the Chemistry perspective
 - Extension of Chemistry in the social context for solving social issues
 - Entrepreneurial Skills to start their own industries / business in core chemistry and applied chemistry fields
 - Analytical and Experimental Skills of the students capable of doing higher-level research works in the emerging fields of chemistry.

II - PROGRAMME OUTCOMES (PO's)

- Graduates are prepared to be creators of new knowledge leading to innovation and entrepreneurship employable in various sectors such as private, government, and research organizations.
- Graduates are trained to evolve new technologies in their discipline.
- Graduates are groomed to engage in lifelong learning process by exploring their knowledge independently.
- Graduates are framed to design and conduct experiments /demos/create models to analyze and interpret data.
- Graduates ought to have the ability of effectively communicating the findings of Chemical sciences; incorporating with existing knowledge.

MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI (Autonomous)

Department of Bio Technology

Programme Name: M.Sc., Bio Technology



I - PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- To help the students to build interdisciplinary approach.
- To expertise students in the field of biotechnology and industry needs and providing solutions for product/processes/technology development.
- To develop confidents among students to work as entrepreneurs and biotechnologist with strong ethics and practical skills.
- To pursue higher education and research in reputed institute at National and International level.

II - PROGRAMME OUTCOMES (PO's)

- Post Graduates will gain knowledge of Biotechnology, Science and Technology concepts to solve problems related to field of Biotechnology.
- Post Graduates will be able to justify societal, health, safety and legal issues and understand his responsibilities in biotechnological practices
- Post Graduates will be able to undertake any responsibility as an individual and as a team in a multidisciplinary environment.
- Post Graduates will have thorough knowledge in Life sciences and will also be ready to engage them in lifelong learning.

**MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI
(Autonomous)**

Department of Computer Science & Applications

Programme Name: M.Sc., Computer Science



I - PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- ❖ Upon successful completion of a Major in M.Sc. Computer Science, students will be able to,
 - Demonstrate expertise through significant technical accomplishments and professional skills in industry.
 - Exhibit continuous learning and research for the societal upliftment with human values and ethics.
 - Demonstrate a breadth and depth of knowledge in the Discipline of Computer Science

II - PROGRAMME OUTCOMES (PO's)

- Broad knowledge in core areas of computer science, current and emerging technologies in IT.
- Higher degree of technical skills in problem solving and application development.
- Reasoning skills required to learn advance in computer science and probing attitude and a search for deeper knowledge in science.
- Analytical and managerial skills to enhance employment potential.
- Holistic development with strong emphasis on values and ethics.

**MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI
(Autonomous)**

Department of Commerce

Programme Name: M.Com.



I - PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- Graduates will be capable of making a positive contribution to commerce, trade and industry in the national and global context.
- Graduates will be able to apply frameworks and tools to arrive at informed decisions in profession and practice, striking a balance between business and social dimensions.
- Graduates with flair of self-employment will be able to initiate and build upon entrepreneurial ventures or demonstrate intrapreneurship for their employer organizations.
- Graduate will recognize the need for adapting to change and have the aptitude and ability to engage in independent and life – long learning in the broadest context of socio-economic, technological and global change.

II - PROGRAMME OUTCOMES (PO's)

- To Equip Post Graduate students to accept the challenges of business world
- To develop independent logical thinking and facilitate personality development.
- To equip the students for seeking suitable careers in management and entrepreneurship.
- To institute learners on the knowledge of Marketing, Research, Human resource, International business and Finance.
- To develop among students communication and analytical skill

MAHENDRA ARTS & SCIENCE COLLEGE, KALIPPATTI (Autonomous)

Department of Social Work

Programme Name: M.S.W



I - PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

- The objectives of M.S.W (Master of Social Work) course is to impart the candidates with a professional skills in social work through enhanced training programmes aimed at developing them in scientific knowledge about the dynamics of problems and issues in our society.
- An ability to critique the ideologies that lead to systematic domination and marginalization of vulnerable groups.
- Necessary skills of awareness, skills aiming at empowerment of people and skills in culture-sensitive methods of social change.
- Ability to apply skills in social work practice and social work research in different fields for achieving desirable change and development and empowerment of people.
- Attitudes and values necessary for working with people and organization for achieving the goals of the social work professional namely

II - PROGRAMME OUTCOMES (PO's)

- Apply at the MSW level the foundation knowledge, skills, values and ethics of social work practice in the assessment and treatment of individuals, families, groups, organizations, and communities.
- Develop a professional identity as a social worker by applying professional values and ethics to social work practice.
- Demonstrate an understanding and appreciation for human diversity, to engage in non-discriminatory culturally sensitive practice that seeks social and economic justice for clients, without regard to age, class, caste, culture, disability, ethnicity, family structure, gender, marital status, national origin, race, religion, and sexual orientation.
- Use appropriate supervision and consultation to conduct research and disseminate research findings that contribute to enhancement of students' personal and professional development.