



# St. Joseph's College of Arts and Science for Women

(Affiliated to Periyar University, Salem)

An ISO 9001:2015 Certified Institution

Recognised U/s 2(f) and 12(B) of the UGC Act

Mookandapalli, SIPCOT, Hosur - 635 126

7.1.1 The Institution has a Gender Equity and Sensitization in Curriculum

## Gender related courses in Curriculum

S.no	Program me	Name of the course	Gender equity and gender sensitization issues addressed
1	All UG courses ( I and II year )	Tamil Foundation paper - 1	Modern literature elevating the voices of women, and inclusively portraying a range of gender realities, supports gender equity. It promotes knowledge and understanding of gender-related issues, equal opportunity, respect, and representation for all genders, and ultimately helps to create a more inclusive and equitable society.
2		Tamil Foundation paper – II	Feminism takes the form of promoting gender equality, and empowering women through spiritual activities in "Bakthi ilakiyangal" It makes worship environments more welcoming, questions patriarchal expectations, and cultivates respect for female deities, all of which contribute to a more equitable religious environment.
3		Tamil Foundation paper –III	Feminism flourishes in "Kaapiyangal" Through welcoming dialogues that question gender expectations, support women's rights, and elevate a variety of viewpoints. It promotes egalitarian environments, strengthens women's stories, and builds community, all of which help to raise public awareness and undermine patriarchal systems in informal contexts.
4		Tamil Foundation paper - IV	In sangam literature, feminism emerges through portrayals of strong female characters, challenging traditional gender roles, and advocating for women's agency



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			and autonomy. These ancient tamil texts highlight women's contributions, desires, and struggles, laying the foundation for gender equality discourse and inspiring contemporary feminist thought in south india.
5	B. A English	Feminist Writing	This course feminist writing is a diverse and dynamic literary and intellectual tradition that explores and advocates for the rights and perspectives of women in society. Rooted in the broader feminist movement, feminist writing aims to challenge and dismantle patriarchal structures, gender norms, and inequalities.
6	B.Sc - Mathematics	Mathematical Modelling	The course supports society in forecasting and data analysis through the construction and analysis of mathematical models found in real-life problems. Modelling through differential and difference equations
		Industrial Statistics	The course will bridge the gap between the industry and academia interface – to apply the theory learned to industrial applications.
		Optimization Techniques	The course will provide knowledge on formulating real life problems into l.p.p • promotes the techniques for converting the industrial problems as mathematical problems and solving them.
		Financial Mathematics	The field of financial mathematics plays a vital role in decision-making and strategy development for individuals and organizations operating in the financial markets. By understanding and applying these key principles, professionals can make informed choices and navigate the complexities of the financial world.
		Operations Research	The main objective of the course is to enable the students to apply mathematics in



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			everyday situations and develop models of decision-making problems that involve constraints and linear programs.
7	M.Sc Mathematics	Industrial Mathematics	Industrial mathematics can optimise your workforce or shipping schedules, predict asset failure, simulate infrastructure development, improve site safety, or simply maximise efficiency and profitability among a seemingly infinite list of possibilities.
		Mathematics for Life Sciences	The focus of the course is on scientific study of normal functions in living systems. The emphasis is on exposure to nonlinear differential equations with examples such as heartbeat, chemical reactions and nerve impulse transmission.
8	M.A english	Women's Writing	This course refers to literary works produced by women, often with a focus on women's experiences, perspectives, and voices. This category encompasses a wide range of genres, styles, and themes, reflecting the diversity of women's lives and the complexities of their identities.
		Literary Theory and Criticism	This course focus on women centers on analyzing literature through the lens of gender, exploring how women are represented, how gender dynamics operate in texts, and how these representations contribute to larger cultural and social discussions.
		Fourth World Literature	This course focuses on women writers navigate the transition from oral storytelling to written forms, creating a crucial bridge between tradition and contemporary expression. In essence, these narratives by indigenous women illuminate the complexities of cultural identity, social justice, and the vibrant diversity within fourth



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			world experiences.
		Literary Criticism	This course examines how literature reflects, reinforces, or challenges the social, political, and cultural roles of women. It encompasses various approaches and perspectives; all seeking to understand and critique the representation of women in literature and the broader implications for gender relations.



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## Courses focusing on professional Ethics

S.no	Course focusing on Professional ethics	Description
1	Ikkala ilakkiyam	"Ikkala ilakkiyangal" Means "Ethical principles" In tamil. Ethics is a branch of philosophy that deals with questions of what is morally right and wrong. It examines concepts such as duty, virtue, justice and moral responsibility. Ethical principles provide guidelines for behavior and decision-making. Principles often include honesty, respect for others and promotion of well-being.
2	Bakthi ilakkiyangal	"Bakthi ilakkiyangal" The guiding principles of religious or spiritual devotion are at the center of these ethics. The qualities they value most in a spiritual practice or relationship with the divine are sincerity, humility, reverence, and dedication. Love, compassion, selflessness, and dedication to moral ideals as manifestations of devotion are among the core principles. Pursuing enlightenment and spiritual development. Bakthi ilakkiyangal help people live moral lifestyles that are in line with religious principles, to create harmony, and to cultivate a sense of oneness with the universe, other people, and the divine.
3	Kaapiyangal	Kapiyams emphasize virtue, materiality, pleasure, and domesticity. It emphasizes on the way of life and morals among people and how to create a harmonious atmosphere with each other in the society. Through this students can understand the philosophy of life.
4	Sanga ilakkiyangal	"Sangam literature ethics" Describes the ethical ideals portrayed in classical tamil literature. These ethics place a strong emphasis on qualities like compassion, justice, and honesty. They serve as a reflection of society values, assisting people in promoting peace in their communities, therefore influencing culture and morality.





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5	Consumer behavior	Consumer behaviour is significantly influenced by images and lifestyles. Images, whether in advertising or social media, shape perceptions and aspirations. Consumers often connect emotionally with visuals, impacting their purchasing decisions. Lifestyles play a pivotal role, as individuals seek products aligning with their values and daily routines. Brands strategically use images to convey desired lifestyles, creating a sense of belonging and identity. Social media platforms amplify this impact
6	Campus to Corporate	The transition from campus to corporate demands a shift in dressing and grooming skills, reflecting professionalism and corporate culture. In a corporate setting, attire should align with the organization's dress code, conveying a polished image. Mastering these dressing and grooming skills facilitates a seamless integration into the corporate environment, enhancing one's overall professional demeanour.
7	Human Resource Management	Ethics in human resource management (hrm) is integral to fostering a fair and responsible work environment. Hr professionals play a key role in ensuring ethical practices, encompassing recruitment, employee relations, and decision-making. Upholding confidentiality and non-discrimination principles is essential, promoting trust and inclusivity. Hrm ethics involves transparent communication, providing employees with accurate information and managing conflicts impartially.
8	Business Etiquette and Corporate Grooming	Business ethics extends to business etiquette and corporate grooming, reflecting values and professionalism. Business etiquette involves respectful communication, punctuality, and courteous behaviours in meetings, fostering positive workplace interactions. Adhering to a dress code and maintaining personal grooming standards are crucial components. Demonstrating integrity and transparency in business interactions contributes to ethical practices
9	Principles of Management	Incorporating business ethics into the principles of management is essential for sustainable and responsible



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		business practices. Transparency and accountability form the foundation, ensuring honest and ethical decision-making. Fair treatment of employees and stakeholders, coupled with a commitment to diversity and inclusivity, fosters a positive corporate culture. Upholding environmental and social responsibilities reflects ethical awareness and contributes to long-term success.
10	Business Ethics and Corporate Sustainability	The objective of this subject is to impart Ethical value ability to incorporate quality, ethical and legal value-based perspectives to all organizational activities. Apply the concepts of business ethics in practice. Demonstrate ethical decision making by applying various theories. Evaluate moral issues relating to business, marketing, advertising, finance, hr and environmental protection. Explain the concepts of corporate sustainability. Construct reports disclosing sustainability information
11	English Language Teaching	This course is designed with students' benefit at its core, aiming to provide a dynamic and enriching language learning experience. Not only focus on language skills but also emphasize real-world communication, encouraging students to express themselves confidently
12	Phonetics and Transcription	Phonetics helps students understand the physical aspects of speech sounds, while transcription, using symbols like the international phonetic alphabet provides a visual guide to accurately represent and learn pronunciation in written form.
13	Linguistics	Linguistics, the scientific study of language, empowers students with insights into grammar, meaning, and cultural nuances. Exploring language structure and evolution, it enhances critical thinking, language proficiency, and cultural awareness, making it valuable for those interested in communication, teaching, translation, or technology.
14	Human Rights	Human rights are the basic principles that uphold the inherent dignity and equal worth of every person, regardless of background or identity. For students, learning about human rights involves understanding the fundamental freedoms globally



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15	Personality Development	Personality development for students cultivates self-awareness and life skills, fostering confidence, effective communication, and adaptability for both academic success and personal growth. It encompasses emotional intelligence, resilience, and positive self-image.
16	Bakery Science	This course is designed to equip students with the ethical framework necessary to navigate the complex landscape of the baking industry. Through a combination of theoretical knowledge and practical application, students explore the ethical considerations and responsibilities inherent in bakery operations, management, and customer relations.
17	Food Processing	Food processing course is designed to equip students with the knowledge, skills, and ethical framework necessary to navigate the complexities of the food processing industry. It also emphasizes the ethical imperative to prioritize food safety and ensure product quality throughout the food processing chain.
18	Food Packaging	Food packaging course is a comprehensive program designed to address emerging ethical issues in food packaging, such as the use of biodegradable materials, reducing packaging waste, and promoting responsible consumption.
19	Dietetics and Counseling	Dietetics and counseling course addresses the ethical responsibilities of dietitians in promoting evidence-based practices, respecting client preferences, and maintaining professional integrity in all aspects of patient care and preparing diet plans based on patient condition.
20	Food Microbiology	Food microbiology course addresses ethical issues related to the detection and prevention of foodborne pathogens, microbial contamination, and food spoilage, highlighting the ethical imperative to prioritize consumer health and safety.
21	Java Programming	This course encourages and enables women to participate in the tech industry and helps bridge the knowledge gap. Java, with its vast applications and popularity, can be a gateway for women to enter the field, gain valuable





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		skills, and contribute to innovation. Ava communities and coding events can actively strive for inclusivity and create welcoming spaces for women and underrepresented groups. This can encourage more women to pursue careers in programming and feel supported within the tech ecosystem.
22	Computer Networks	This course computer networks enable access to online education and training platforms, opening up opportunities for women to acquire new skills, knowledge, and qualifications, regardless of location or socioeconomic background. This can enhance their employability, career prospects, and overall economic empowerment. Networks enable women to participate in e-commerce and establish online businesses, providing them with income-generating opportunities and greater control over their economic livelihoods. This can contribute to their financial independence and overall well-being.
23	Data Structures and Algorithms	This course helps researchers explore various techniques to design algorithms that are inherently fair and unbiased, such as fairness-aware metrics and counterfactual reasoning. These advancements can help create ai systems. As ai becomes increasingly integrated into various aspects of our lives, it's crucial to ensure these systems are fair, accountable, and inclusive. Data structures and algorithms play a vital role in designing such systems, ensuring they treat everyone with respect and dignity.
24	Web Technology	This course web platforms can provide access to online education and training courses, allowing women to acquire new skills, knowledge, and qualifications, regardless of location or socioeconomic background. This can enhance their employability, career prospects, and overall economic empowerment.
25	Software Engineering	This course software engineering communities, conferences, and meetups can actively strive for inclusivity and create welcoming spaces for women and underrepresented groups. This can encourage



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		more women to pursue careers in software engineering and feel supported within the tech ecosystem. Software engineers can play a vital role in identifying and mitigating such biases, ensuring that algorithms and data are used fairly and ethically.
26	Relational Database Management System	RDBMS can store and manage large datasets related to healthcare, education, financial services, and other areas relevant to females. By providing access to and analyzing this data, females can gain valuable insights, make informed decisions, and advocate for their rights and well-being. By analyzing customer data stored in an rdbms, female entrepreneurs can develop targeted marketing campaigns that resonate with their audience and reach new customers.
27	Python programming	Python is known for its clear syntax and readability, making it easier to learn compared to other languages. This can be especially helpful for beginners, encouraging more females to enter the programming world without feeling intimidated by complex structures. Python can be used for creative projects like game development, data visualization, and art. This allows females to express their creativity and develop innovative solutions through code.
28	Machine Learning	Increased female participation in ml can bring diverse perspectives and experiences to problem-solving, leading to more inclusive and innovative solutions. This can benefit various sectors like product development, algorithmic design, and data analysis. S ml algorithms become increasingly integrated into various aspects of our lives, it's crucial to ensure they are fair and unbiased towards females. Females in the field can contribute to identifying and mitigating potential biases in data and algorithms, promoting fairer and more ethical ai development.
29	Matlab	Matlab excels in data analysis and visualization, making it an essential tool for various scientific and engineering tasks. Females can leverage these capabilities to analyze complex datasets, gain insights from research data, and



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		<p>communicate their findings effectively through compelling visualizations.</p> <p>Matlab can be used to tackle various real-world challenges in areas like climate change, healthcare, energy sustainability, and environmental protection. Females can leverage their matlab skills to contribute to solving these challenges and make a positive impact on the world.</p>
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