

# St. Joseph's College of Arts & Science

**(Autonomous)**

Affiliated to Annamalai University, Annamalai Nagar.

Recognised under section 2(f) and 12(B) of the UGC Act, 1956 | A Christian Minority Institution.

St. Joseph's College Road, Manjakuppam, Cuddalore - 607 001.

Phone: 04142-286311 | Mail: josecol27998@gmail.com | Website: www.sjctnc.edu.in

## PERSPECTIVE PLAN AND ACTION TAKEN (2019-2020 to 2023-2024)

### Perspective Plan - 1: To Introduce New UG, PG, and Research Programs

**Objective:** To expand the academic offerings by introducing diverse undergraduate (UG), postgraduate (PG), and research programs that address emerging fields of study and cater to the needs of students, industry, and academia. This initiative aims to support students' career aspirations, encourage academic exploration, and enhance the institution's research capabilities.

#### Actions Taken:

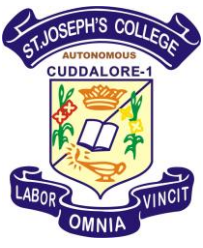
- **2019-2020:** M.A. Tamil was introduced to support and enhance the study of regional language, literature, and cultural heritage, contributing to a deeper understanding of Tamil studies.
- **2019-2020:** Two Ph.D. programs were introduced in Mathematics and Computer Science.
- **2020-2021:** B.Sc. Zoology (Shift-II) was launched to address the demand for life sciences education, offering an additional shift to accommodate more students interested in biological sciences.
- **2021-2022:** New sections for B.Com. Commerce were introduced in both Day (Shift-I) and Evening (Shift-II) batches.

### Perspective Plan - 2: To introduce Diploma and Certificate courses

**Objective:** To establish a robust set of diploma and certificate programs, complemented by value-added and elective courses, to equip students with diverse skills relevant to current and future industry demands.

#### Actions Taken:

1. **Introduction of Value-Added Courses (2018-2019):** Since 2018-2019, the college has introduced 44 value-added courses in diverse areas, aiming to give students an edge by acquiring industry-relevant skills.



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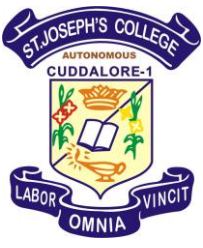
2. **Introduction of Non-Major Electives (2021-2022):** These elective courses provide students with the flexibility to explore subjects outside their major discipline, fostering a well-rounded education.
3. **MOOC and SWAYAM Courses:** Students are encouraged to complete MOOC courses, with 2 credits awarded for each SWAYAM course completed. This helps foster a culture of independent and lifelong learning.
4. **Tally Software Course (2020-2021):** A dedicated course on Tally software was introduced to enhance students' financial management skills.
5. **Partnership with NASSCOM Foundation and Google Certification:** Through an MoU with NASSCOM Foundation (via Deepam for Education Empowerment and Development, Pondicherry), the college has offered free Google certifications to students starting in 2021-2022. This initiative aims to enhance students' digital skills and increase their employability.

## Perspective Plan - 3: Towards an Eco-Friendly and Energy-Efficient Campus

**Objective:** To create a sustainable, eco-friendly, and energy-efficient campus that minimizes environmental impact, promotes green practices, and serves as a model for environmental stewardship.

### Actions Taken:

- **Vehicle-Free Wednesdays:** To reduce pollution, the campus observes a vehicle-free day every Wednesday. A circular has been issued encouraging all campus members to use public transport, bicycles, or walk to campus, creating a healthier, pollution-free environment.
- **Ban on Single-Use Plastics:** A strict ban on single-use plastics has been implemented across the campus, with clear guidelines communicated to all students, staff, and vendors.
- **Transition to LED Lighting:** Traditional fluorescent lamps have been replaced with energy-efficient LED bulbs across campus facilities, significantly reducing energy consumption.



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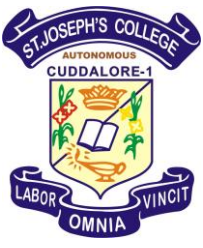
- **Solar Panel Installation:** The institution has initiated steps to install solar panels, tapping into renewable energy sources and reducing reliance on conventional power sources.
- **Internal Green Audits (2018-2019 onward):** Regular internal green audits have been conducted to assess the campus's environmental practices and identify areas for improvement.
- **External Audits (2023-2024):** Comprehensive external green, energy, and environmental audits were conducted for the 2023-2024 academic year, offering an objective review of our sustainability practices and recommendations for further enhancement.
- **Regular Plantation Drives:** The campus has committed to regular plantation drives, actively planting saplings throughout the year. This initiative not only beautifies the campus but also contributes to CO<sub>2</sub> absorption and improved air quality.
- **Solid Waste Management and E-Waste Management:** The campus has established structured processes for handling solid waste and electronic waste, ensuring proper disposal and recycling of materials.
- **Vermicomposting:** Organic waste is managed sustainably through vermicomposting, producing natural fertilizers that are reused for campus gardens.

## Perspective Plan - 4: Automation in Examination Section (Valuation/OMR/OCR)

**Objective:** To create a seamless, automated examination process through technology-driven solutions, enhancing efficiency, accuracy, and convenience for students and faculty. Automation is key in modernizing examination workflows, from online assessments to valuation and results processing.

### Actions Taken:

- **2020-2021 - Online Exams:** Conducted fully online exams using the college ERP, which served as a single platform for managing internal and external assessments, ensuring continuity of exams during the pandemic.



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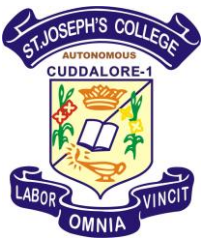
- **2021-2022 – Expanded ERP Utilization:** Leveraged ERP capabilities to conduct online proctored exams in November, with the platform also managing various aspects of exam scheduling, question paper dissemination, and result processing.
- **2021-2022 – Contactless Valuation:** Enabled students to submit scanned copies of answer scripts for online exams, allowing faculty to evaluate them digitally. This initiative supported a faster, more secure grading process and minimized physical document handling.
- **2023-2024 – Software Updates in CoE:** Updated ERP modules to streamline the result analysis process, enabling department-wise and subject-wise data views and summaries. Additional features for seating arrangements, including separate modules for CIA (Continuous Internal Assessment) and semester exams, were implemented.

### Future Plans:

- Continue developing ERP functionalities for streamlined exam and assessment management, integrating new modules as needed for flexibility and scalability.
- Introduce Optical Mark Recognition (OMR) and Optical Character Recognition (OCR) technologies for rapid scanning and assessment of objective-type answers, further streamlining the valuation process.
- Integrate OMR and OCR for result analysis, further enhancing the ERP's capability in automating answer sheet evaluation and result generation.
- Conduct periodic software updates to ensure the examination system remains cutting-edge and aligned with evolving requirements.

### Perspective Plan-5: To Establish an Industry-Institute Collaboration Centre

**Objective:** To strengthen ties with industry by establishing an Industry-Institute Collaboration Centre that fosters collaboration, innovation, and knowledge exchange. The centre aims to enhance students' practical skills, improve faculty-industry engagement, and promote research and development aligned with real-world applications and societal needs. Through partnerships with leading industries, this initiative supports the institution's goal of creating a dynamic learning environment that prepares students for industry challenges.



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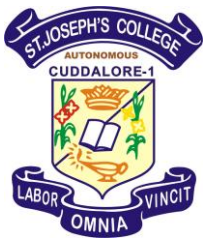
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- **2019-2024:** A total of 32 MoUs have been signed with various industries and organizations. These partnerships have facilitated diverse activities aimed at strengthening industry interaction, including guest lectures, expert sessions, internships, and collaborative research projects.
  - **Activities Conducted:**
    - **2019-2020:** 12 activities
    - **2020-2021:** 62 activities
    - **2021-2022:** 16 activities
    - **2022-2023:** 18 activities
    - **2023-2024:** 16 activities
- **2021-2022:** Established the Institution's Innovation Council (IIC), registered as IC202218979. This council serves as a dedicated body to foster a culture of innovation and connect students and faculty with industry mentors.
- **2022-2023:** The IIC has actively engaged in its mission, earning a 3.5-star rating in the latest evaluation cycle, which reflects the council's commitment to fostering an innovation-friendly ecosystem and creating industry-relevant programs.
- **2021-2022:** Received substantial CSR support from Pfizer Healthcare India Private Limited, Chennai. The company donated 21 pieces of advanced equipment, valued at Rs.1.63 Crores, which have significantly upgraded the institution's research infrastructure.

## **Perspective Plan-6: Community Development through Village Adoption**

**Objective:** To foster sustainable community development by adopting a minimum of three villages and conducting programs that address key issues such as education, health, environmental conservation, and social awareness. This initiative aims to empower village communities by providing essential knowledge, resources, and support, encouraging them towards self-sufficiency and well-being.



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## Summary of Actions and Activities Conducted

Year	Villages Covered	Key Activities Conducted
2019-2020	Keezhazhinjipattu	<ul style="list-style-type: none"><li>• Motivation on Importance of Education</li><li>• Intervention to prevent school drop out</li><li>• Health and Hygiene Awareness</li><li>• Conservation of Water</li></ul>
2023-2024	Paathirikuppam, Nathaveli, Arisiperiyankuppam, Kumarapettai, K.N. Pettai, Thiruvandhipuram, Pillali Thotti, Otteri, S. Pudhur, Mel Kumaramangalam, Thottapattu, Vellapakam, Karamanikuppam, Periyakomatti, North Ramapuram	<ul style="list-style-type: none"><li>• Awareness Programme on Alcohol and Drug Addiction</li><li>• Environment Cleanliness and Awareness Programme</li><li>• Computer Literacy Programme</li><li>• Celebration of the National and International Days</li><li>• Plastic and Pollution Control Awareness</li><li>• Charity work at the Old Age home</li><li>• Motivational Talk</li><li>• Health and Hygiene Awareness Programme</li><li>• Dengue Awareness Programme</li><li>• Bio-Degradable and Non-Bio Degradable Awareness Programme</li><li>• Science Awareness to the School Students</li><li>• Saplings Plantation</li><li>• Dental Camp</li></ul>

  
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