



**M.P. NACHIMUTHU M. JAGANATHAN ENGINEERING COLLEGE**  
**SUDHANANDHEN KALVI NAGAR, CHENNIMALAI, ERODE-638 112**

Approved by AICTE, New Delhi & Permanently Affiliated to Anna University, Chennai.

Ph: 04294- 250242

E-mail: [mpnmjcc@mpnmjcc.ac.in](mailto:mpnmjcc@mpnmjcc.ac.in)

Website: [www.mpnmjcc.ac.in](http://www.mpnmjcc.ac.in)

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**Strategic Plan for M.P. Nachimuthu M. Jaganathan Engineering College**  
**(2023-2028)**

**1. Academic Excellence**

- Introduce new undergraduate and postgraduate programs in emerging fields such as Artificial Intelligence, Data Science, Robotics, Cybersecurity, and Renewable Energy.
- Revise and update the curriculum regularly in consultation with industry experts to ensure it aligns with the latest technological advancements and industry needs.
- Implement outcome-based education (OBE) and ensure alignment with NBA (National Board of Accreditation) standards for all programs.

**2. Infrastructure Development**

- Upgrade existing laboratories and establish new centers of excellence with state-of-the-art equipment in collaboration with industry leaders.
- Expand library resources to include digital libraries, e-journals, and access to global research databases.
- Develop a dedicated innovation and entrepreneurship center that provides incubation support, funding assistance, and mentorship to student startups.

**3. Faculty Development**

- Invest in continuous professional development programs for faculty, including opportunities for research, higher studies, industry exposure, and participation in international conferences.
- Establish a Faculty Development Center (FDC) focused on pedagogy enhancement, research methodologies, and use of technology in teaching.
- Encourage faculty to engage in research projects and consultancy, aiming for at least 10% of faculty to be involved in funded research projects by 2028.

**4. Research and Innovation**

- Increase research funding through government grants, industry-sponsored projects, and international collaborations.
- Create research clusters focusing on interdisciplinary and societal-impact research in areas such as Smart Cities, Sustainable Development, and Healthcare Technologies.
- Set a goal to publish at least 100 papers in SCOPUS-indexed journals and secure 5 patents by 2028.

**5. Industry Collaboration and Placements**

Develop strategic partnerships with top-tier companies for curriculum development, internships, guest lectures, and placement opportunities.



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- Aim for 100% placement for eligible students by enhancing the placement training program, focusing on soft skills, aptitude, and technical skills.
- Collaborate with industries to establish live labs and industry-driven elective courses.

## **6. Student Development and Engagement**

- Launch a comprehensive student development program that includes skill development workshops, leadership training, and entrepreneurship programs.
- Foster a vibrant campus life through clubs, societies, cultural events, and sports activities.
- Promote student participation in national and international competitions, hackathons, and conferences.

## **7. Digital Transformation**

- Implement a robust Learning Management System (LMS) to facilitate blended learning, online courses, and digital content delivery.
- Leverage technology to automate administrative processes such as admissions, examinations, and student services.
- Develop a virtual campus tour and online student support systems, including career counseling and mental health services.

## **8. Internationalization**

- Establish academic collaborations with renowned international universities for student exchange programs, joint research, and dual-degree programs.
- Aim to attract at least 50 international students annually by 2028 through targeted outreach and scholarship programs.
- Promote global exposure by encouraging faculty and students to participate in international conferences, workshops, and collaborative projects.

## **9. Quality Assurance and Accreditation**

- Achieve accreditation from NBA for all eligible programs and work towards NAAC 'A+' grade by the end of the strategic period.
- Conduct internal quality audits and feedback systems for continuous improvement of academic and administrative processes.
- Develop a comprehensive Institutional Development Plan (IDP) in line with NEP 2020 guidelines.

## **10. Sustainability Initiatives**

- Implement green campus initiatives such as rainwater harvesting, waste management, solar energy, and energy-efficient buildings.
- Promote research and awareness on sustainability through dedicated courses, projects, and community outreach programs.
- Aim to achieve a carbon-neutral campus by 2028.

## **11. Community Engagement and Social Responsibility**

Strengthen engagement with local communities through outreach programs, skill development, and rural development initiatives.



*H. P. N. M. J.*  
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**Sudhanandhan Kalvi Nagar,**  
**Chennimalai, Erode-638 112**



- Encourage students and faculty to participate in social responsibility projects addressing local issues.
- Establish partnerships with NGOs and government agencies for collaborative community development projects.

## **12. Alumni Engagement**

- Establish a robust alumni network to support mentorship, guest lectures, placements, and fundraising for college development.
- Organize annual alumni meets, webinars, and panel discussions to strengthen alumni relations and involvement.
- Develop an alumni portal for continuous engagement and collaboration opportunities.

## **13. Student Entrepreneurship and Startups**

- Encourage innovation and entrepreneurship through dedicated courses, incubation support, seed funding, and mentorship.
- Host annual entrepreneurship summits, hackathons, and business plan competitions.
- Aim to incubate at least 20 student-led startups by 2028.

## **14. Inclusivity and Diversity**

- Promote diversity and inclusion through scholarships, support programs, and inclusive policies for underrepresented groups.
- Ensure a gender-balanced and inclusive environment by encouraging participation from all sections of society.
- Create a dedicated cell to address concerns related to diversity, inclusivity, and equity.

## **15. Governance and Leadership**

- Strengthen institutional governance by involving all stakeholders in decision-making processes.
- Develop a leadership pipeline for faculty and administrative staff to ensure smooth succession planning.
- Implement strategic monitoring and evaluation mechanisms to ensure the achievement of the set objectives.

This strategic plan outlines a comprehensive approach to transforming Nachimuthu M. Jaganathan Engineering College into a leading institution by 2028.

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