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JAYA ENGINEERING COLLEGE

(An ISO 9001 : 2000 CERTIFIED INSTITUTION)

(Approved by AICTE and Affiliated to Anna University)

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RWTÜV

INSTITUTIONAL DEVELOPMENT PLAN (IDP) (2026–2031)

(Guidelines for Institutional Development Plans for Jaya Engineering College)

1. Institutional Profile

Name of Institution: Jaya Engineering College
Affiliated University: Anna University, Chennai
Approval: AICTE, New Delhi
Accreditation: NAAC Accredited
Accreditation: NBA Accredited for CSE & TEXTILE
Location: Thiruninravur, Chennai, Tamil Nadu-602 024.

Vision

To achieve excellence in technical education through innovative teaching and multidisciplinary research with professionalism to serve the global society.

Mission

- To Impart High quality Teaching and Learning for Engineering, Technology and Management Studies by providing State-of-art-infrastructure.
- To Provide Quality Education, Self discipline and Ethical values.
- To Associate with R&D and Industries to have Connectivity with the Society.
- To Impart Knowledge to become Empowered Professionals in the field of Engineering and Management.

2. Institutional Development Goals

The Institutional Development Plan (IDP) aims to transform Jaya Engineering College into a multidisciplinary, research-oriented, industry-connected institution in alignment with NEP 2020, UGC Regulations, AICTE Quality Initiatives and NAAC Accreditation Framework.

Strategic Objectives

1. Improve academic excellence.
2. Enhance employability and entrepreneurship.
3. Strengthen research and innovation.
4. Achieve digital transformation.
5. Promote quality assurance.

6. Expand industry collaborations.
7. Improve infrastructure.
8. Strengthen governance.
9. Community engagement and sustainability.

3. Academic Excellence

Objectives

- Implement Outcome Based Education (OBE).
- Curriculum enrichment beyond university syllabus.
- Increase multidisciplinary learning.
- Introduce value-added and skill-oriented courses.
- Promote project-based learning.
- Strengthen mentoring system.
- Improve student success rate.

Targets

- Pass Percentage >90%
- Placement >80%
- Internship for 100% students
- Student Satisfaction Index >90%

4. Teaching-Learning Enhancement

Initiatives

- Smart classrooms
- Learning Management System (LMS)
- Digital content development
- Blended learning
- Faculty Development Programmes
- Student-centric pedagogies
- ICT-enabled teaching
- Academic audits

Expected Outcomes

- Improved learning outcomes
- Better student engagement
- Enhanced academic performance

5. Research, Innovation and Consultancy

Objectives

- Increase research publications.
- Improve funded research projects.
- Establish Centre of Excellence.
- Promote consultancy.
- Encourage patents and copyrights.

Five-Year Targets

- 300+ Scopus publications
- 40 patents filed
- 20 patents granted
- ₹5 Crores external funding
- 10 consultancy projects annually

6. Innovation and Entrepreneurship

Action Plan

- Strengthen Institution's Innovation Council (IIC)
- Promote startup ecosystem
- Incubation Centre
- Innovation competitions
- Hackathons
- Entrepreneurship Development Cell
- Industry mentors

Expected Outcomes

- Student startups
- Prototype development
- Technology commercialization

7. Industry-Institute Interaction

Focus Areas

- MoUs with industries
- Industrial internships
- Industry-sponsored laboratories
- Expert lectures
- Live projects
- Industrial visits
- Joint research

Target

At least **100 active MoUs** with industries and organizations by 2031.

8. Faculty Development

Objectives

- Encourage higher qualifications.
- Faculty internships in industries.
- Research incentives.
- FDP participation.
- International collaborations.
- Leadership development.

Targets

- 100% faculty attends one FDP annually.
- 80% faculty with Ph.D./Ph.D. pursuing.
- Research incentive policy implementation.

9. Student Development

Academic Support

- Bridge courses
- Remedial coaching
- Career counselling
- Soft skill training
- Flipped class

- Peer learning
- Placement coaching
- Competitive examination coaching
- GATE coaching
- UPSC/TNPSC awareness

Student Welfare

- Scholarships
- Mentoring
- Psychological counselling
- Sports
- NSS
- NCC
- Clubs
- Alumni Scholarship Contribution

10. Infrastructure Development

Academic Infrastructure

- Smart classrooms
- Digital library
- Modern laboratories
- Research laboratories
- Seminar halls

Campus Development

- Green campus
- Solar power
- Rainwater harvesting
- Waste management
- Barrier-free campus
- Wi-Fi campus

11. Digital Transformation

Digital Initiatives

- ERP
- LMS
- Digital attendance
- Online examination
- E-office
- Digital documentation

- AI-enabled learning tools

12. Community Engagement

Extension Activities

- NSS programmes
- Village adoption
- Environmental awareness
- Health camps
- Skill development
- Women empowerment
- Digital literacy

13. Quality Assurance

IQAC Initiatives

- Academic Audit
- Green Audit
- Energy Audit
- Gender Audit
- Internal Quality Audit
- Feedback Analysis
- Best Practices
- Annual Quality Assurance Report (AQAR)

14. Governance and Leadership

Focus

- Participative governance
- E-governance
- Decentralization
- Financial transparency
- Strategic planning
- Risk management
- Performance appraisal

15. Sustainability Initiatives

- Solar energy
- Plastic-free campus
- Water conservation
- Tree plantation
- Energy conservation

The implementation of the Institutional Development Plan shall be monitored through:

- Governing Body
- Academic Council
- Internal Quality Assurance Cell (IQAC)
- Board of Studies
- Department Advisory Committees
- Finance Committee
- Research and Development Cell

Progress shall be reviewed every six months, with annual performance evaluations based on the defined KPIs. Corrective actions will be implemented wherever necessary.

Conclusion

Jaya Engineering College is established in the year 1995 committed to achieving NEP excellence in technical education through strategic planning, continuous quality improvement, research, innovation, industry collaboration and student-centric development. This Institutional Development Plan (2026–2031) provides a comprehensive roadmap aligned with the National Education Policy (NEP 2020), UGC regulations, AICTE quality initiatives and NAAC accreditation requirements. The successful implementation of this plan will strengthen institutional quality, improve graduate outcomes, enhance research productivity and contribute meaningfully to regional and national development.



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