



JAYA ENGINEERING COLLEGE

(An ISO 9001 : 2000 CERTIFIED INSTITUTION)

(Approved by AICTE and Affiliated to Anna University)

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RWTJV

Guidelines for Establishment of Research & Development (R&D) Cell in Jaya Engineering College

1. Preamble

Jaya Engineering College recognizes research, innovation, and technology development as essential pillars of quality higher education. In accordance with the National Education Policy (NEP) 2020 and the UGC Guidelines for Establishment of Research & Development Cell in Higher Education Institutions, the institution establishes a Research & Development (R&D) Cell to promote a vibrant research ecosystem, foster innovation, strengthen industry collaborations, and encourage interdisciplinary research.

Vision

The Vision of the R&D initiative is to promote a strong culture of research and innovation among students and faculty members to increase their skills and competencies, to excel in their roles and to encourage lifelong learning by them

Mission

- Promote quality research among faculty members and students.
- Encourage interdisciplinary and collaborative research.
- Facilitate externally funded research projects.
- Promote innovation, patents, copyrights and technology transfer.
- Improve research publications in high-impact journals.

2. Objectives

The R&D Cell shall:

- Promote research culture throughout the institution.
- Facilitate submission of funded research proposals.
- Encourage publication in Scopus, SCI and Web of Science indexed journals.
- Support patent filing, copyright, trademarks and technology commercialization.
- Promote consultancy services.
- Develop collaborations with Industries, Research laboratories, Universities and Government organizations.
- Organize FDPs, workshops, seminars and conferences.
- Encourage undergraduate and postgraduate research.
- Improve institutional research ranking and accreditation performance.

3. Organizational Structure

Chairperson

- Principal

Coordinator

- Dean (Research & Development)

Members

- Vice Principal
- IQAC Coordinator
- Heads of all Departments
- Research Coordinators of Departments
- Innovation & Entrepreneurship Coordinator
- IPR Coordinator
- Consultancy Coordinator
- Industry Institute Interaction Coordinator
- Incubation Centre Coordinator
- Finance Representative
- External Research Expert
- Industry Expert

4. Roles and Responsibilities

Principal and Vice Principal

- Provide strategic direction.
- Approve research policies.
- Allocate institutional research funds.
- Review R&D performance periodically.

Dean (R&D)

- Coordinate all research activities.
- Monitor funded projects.
- Promote research collaborations.
- Organize research review meetings.
- Submit annual research reports.

Department Research Coordinators

- Motivate faculty members.
- Identify funding opportunities.
- Monitor departmental publications.
- Coordinate student research activities.
- Maintain research database.

5. Functional Committees

The following committees shall function under the R&D Cell:

- Research Proposal Committee
- Research Ethics Committee
- Intellectual Property Rights (IPR) Committee
- Consultancy Committee
- Industry Collaboration Committee
- Innovation and Entrepreneurship Committee
- Publication Review Committee
- Research Monitoring Committee

6. Major Activities

The R&D Cell shall undertake the following activities:

- Faculty research promotion
- Student innovation projects
- Seed funding schemes
- Consultancy development
- Patent awareness programmes
- IPR workshops
- FDPs on research methodology
- Proposal writing workshops
- International conferences
- National conferences
- Industrial collaborative research
- MoUs with industries
- Incubation support
- Startup promotion
- Research awards
- Best publication awards
- Best patent awards

7. Research Promotion Policy

The institution shall encourage faculty members to:

- Publish in indexed journals.
- Obtain research grants.
- Register patents.
- Publish books and book chapters.
- Participate in conferences.
- Guide research scholars.
- Develop innovative products.

8. Student Research Promotion

Students shall be encouraged to:

- Participate in funded projects.
- Publish research papers.
- Develop innovative prototypes.
- Participate in hackathons.
- Participate in Smart India Hackathon.
- File student patents.
- Start innovation clubs.
- Participate in startup activities.

9. Funding Sources

The R&D Cell shall facilitate funding from:

- AICTE
- UGC
- DST
- DBT
- DRDO
- ISRO
- CSIR
- SERB
- MSME
- TNSCST
- Anna University
- Industries

10. Research Performance Indicators

Annual performance shall be monitored through:

- Research publications
- Scopus publications
- SCI publications
- Patents filed
- Patents granted
- Funded projects
- Consultancy revenue
- Ph.D. registrations
- Ph.D. completions
- Book publications
- MoUs signed
- Industry collaborations
- Student research projects
- Startups incubated
- Book chapters

11. Meetings

- The R&D Cell shall meet at least **once every quarter**.
- Emergency meetings may be convened by the Chairperson whenever necessary.
- Minutes shall be maintained and reviewed by IQAC.

12. Expected Outcomes

- Enhanced research ecosystem.
- Increased funded research projects.
- Higher-quality publications.
- Growth in patents and copyrights.
- Strong industry partnerships.
- Improved consultancy revenue.
- Better innovation and entrepreneurship.
- Enhanced NAAC, NBA, and NIRF performance.
- Contribution to national development through impactful research.

Institutional Implementation Plan for Jaya Engineering College

For effective implementation, Jaya Engineering College should:

- Establish a **Dean (Research & Development)** office.
- Appoint **Department Research Coordinators** in every department.
- Frame an annual **Research Action Plan** with measurable targets.
- Create a **Seed Money Scheme** for faculty research.
- Conduct quarterly research review meetings.
- Encourage every department to organize at least one research event annually.
- Integrate R&D activities with IQAC, IIC, Entrepreneurship Development Cell and Placement Cell for holistic institutional development. These recommendations are consistent with the UGC's framework for institutional R&D Cells.




PRINCIPAL
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Accredited by NAAC & NBA(CSE&TEXTILE)/Recognized by UGC under section 2(f) & 12(b)
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Organizational Structure for Research & Development (R&D) Cell

Sl.No	Position	Name of the faculty
1	Chairperson	Dr.C.S.Ravichandran, Principal
2	Coordinator	Dr.M.Somasundaram, Dean (Research)
Members		
3	Vice Principal	Dr.S.Rajendran, Vice Principal
4	Heads of all Departments	Dr.M.Gowtham, HOD/Aero Dr.S.Needhidasan, HOD/Civil Mr.J.Lin Eby Chandra, HOD/CSE Dr. S.Ilankannan, HOD/EEE Dr.A.Saravanan, HOD/ECE Dr.G.Kalarani, HOD/EIE Dr.V.Seedhadevi, HOD/IT Mr.K. Ganesan, HOD/Mechanical Mr.L.Nagarajan, HOD/Textile Mrs.V.Kavitha, AP/S&H Dr.V.Ratha, HOD/MBA Dr.D.Balasubramanian, HOD/MCA
5	Innovation & Entrepreneurship Coordinator	Dr.V.R.Raji, Civil
6	IPR Coordinator	Mr.V.Giridharan, Aero
7	Consultancy Coordinator	Dr.S.Needhidasan, HOD/Civil
8	Industry Institute Interaction Coordinator	Mr.S.Faizal Mukhthar Hussain, CSE
9	Incubation Centre Coordinator	Mr. Sunil Earnest, MBA
10	Industry Expert	Mr. Aswin Chandrasekaran, Principal Engineering Manager for Tata CDN Product, Tata Communications Ltd., (Alumni)



Ravichandran
Principal

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