A/c & Finance officer / Dean Admin

Policy No. 2/2026/Research & Development

Research and Innovation Policy for JDIET – 2026-27

Date: 05 OCT 2026

This policy will be called the Research and Innovation Policy for JDIET – 2026-27. This policy is applicable to Jawaharlal Darda Institute of Engineering and Technology (JDIET), MIDC, Lohara, Yavatmal, Maharashtra. It shall come into force on such date as the Management/Principal of the Institute may decide.

This policy applies to all full-time and ad-hoc faculty members, research scholars, undergraduate students, and any staff engaged in research, innovation, consultancy or intellectual property generation under the aegis of the Institute. It covers research conducted using Institutional resources, Institutional funding, or under the Institute's name, whether carried out independently or in collaboration with external agencies, industry partners, or other academic institutions.

Preamble:

Research and innovation are central to the intellectual growth of an institution, to the quality of education it delivers, and to its contribution towards national and global knowledge creation. With an intent to foster a vibrant culture of research, innovation, and continuous academic development, this policy establishes a structured, transparent, and enabling framework through which JDIET nurtures a culture of inquiry, protects and rewards intellectual property, and creates genuine opportunities for both students and faculty members to engage meaningfully in research and innovation.

This document brings together, under a single policy framework, the Institute's approach to research quality, intellectual property rights, orientation and awareness programmes, funding opportunities, infrastructure and facilities, curriculum integration, and the active participation of its academic community.

The policy shall be implemented through the Research & Innovation Council (RIC) / R&D Cell, under the guidance of the Dean – Research & Development, with necessary approval from the competent authority.

Policy :

1. General

In order to strengthen the research and innovation ecosystem of the Institute, it is necessary to promote quality research, protect and reward intellectual property, build early orientation and awareness, widen opportunities, strengthen facilities and infrastructure, integrate research into the curriculum, and encourage active participation of faculty and students.

The initiatives can be broadly classified under:

1.1 Quality Research: Establish clear standards, ethical guidelines and quality benchmarks for research undertaken by students and faculty.

1.2 Intellectual Property: Provide a fair and transparent framework for the disclosure, ownership, protection and commercialisation of intellectual property generated within the Institute.

1.3 Orientation and Awareness: Build early and sustained awareness of research culture, ethics and opportunities among new entrants — both students and faculty.
1.4 Opportunities: Widen access to internal and external funding, collaborations, fellowships and industry linkages.
1.5 Facilities and Infrastructure: Ensure adequate laboratories, digital resources, computational infrastructure and incubation support.
1.6 Curriculum Integration: Embed research methodology and project-based learning into academic programmes at all levels.
1.7 Participation: Encourage and reward active involvement of students and faculty in research and innovation activities.

2. Guidelines

The guidelines are regarding implementation of this policy and monitoring to ensure its regular and proper functioning.

2.1 Definitions

- **Research:** Systematic investigation undertaken to establish facts, principles, or generalisable knowledge, including basic, applied and translational research.
- **Innovation:** The practical application of new or improved ideas, products, processes or services that create value.
- **Intellectual Property (IP):** Creations of the mind — including patents, copyrights, trademarks, designs and trade secrets — that are legally protectable.
- **Inventor/Creator:** Any student, faculty member, or staff who materially contributes to the conception or development of an invention or creative work.
- **Seed Money:** Internal Institutional funding provided to initiate a research or innovation project prior to securing external grants.
- **Competent Authority:** The Head of the Institution, or a body formally delegated with decision-making authority under this policy.

2.2 Governance Structure for Research and Innovation

Effective implementation of this policy requires a clear governance structure. The following bodies shall oversee research and innovation activities:

2.2.1 Research & Development Cell (RDC)

The apex body responsible for policy oversight, approval of seed money proposals, monitoring research output, and periodic review of this policy. Chaired by the Head of the Institution or a nominated Dean of Research, with representation from senior faculty across departments, an external expert, and a student representative.

2.2.2 Intellectual Property Rights (IPR) Cell

A dedicated cell responsible for receiving invention disclosures, evaluating patentability, coordinating patent filing, and managing licensing or commercialisation of Institutional IP.

2.2.3 Institute's Innovation Council (IIC)

Responsible for promoting innovation and entrepreneurship among students, organising ideation events, hackathons, and startup mentoring in coordination with national innovation missions.

2.3 Promoting Quality Research

2.3.1 Research Standards and Ethics

All research undertaken under the Institute's name shall adhere to accepted standards of scientific and academic integrity, including honesty in data collection, analysis and reporting; proper acknowledgment of prior work; and responsible authorship practices.

2.3.2 Plagiarism and Research Misconduct

- All theses, dissertations and publications shall be screened through approved plagiarism-detection software prior to submission.
- Fabrication, falsification, plagiarism and duplicate publication constitute research misconduct and shall be addressed through a formal disciplinary process.
- Repeated or serious violations may result in withdrawal of research privileges, funding, or other appropriate action.

2.3.3 Publication Quality Norms

Faculty and student researchers are encouraged to target peer-reviewed journals, indexed conferences, and reputed publishers. The Institute shall maintain and periodically update a list of recognised and predatory publication venues to guide researchers away from low-quality or exploitative outlets.

2.3.4 Mentoring and Peer Review

Every research project involving students shall be assigned a faculty mentor. Departments shall conduct periodic internal review sessions where ongoing research is presented and constructively critiqued before external submission.

2.4 Intellectual Property Rights (IPR) Policy

2.4.1 Ownership of Intellectual Property

Intellectual property created using substantial Institutional resources, funding, or facilities shall ordinarily vest with the Institute, subject to inventor rights and any sponsoring agency's contractual terms. Where research is conducted independently, without material use of Institutional resources, ownership shall be governed by mutual agreement recorded in writing at the outset of the project.

2.4.2 Disclosure and Filing Process

- Any potentially patentable invention or creative work must be disclosed to the IPR Cell using the prescribed Invention Disclosure Form, prior to any public disclosure or publication.
- The IPR Cell shall conduct a preliminary patentability and novelty assessment within a reasonable timeframe.
- Where patentability is confirmed, the Institute shall bear the cost of filing, subject to budgetary approval, and shall coordinate with a registered patent agent.

2.4.3 Revenue and Benefit Sharing

Where Institutional IP is licensed or commercialised, net revenue (after deducting filing, prosecution and maintenance costs) shall be shared between the inventor(s) and the Institute in a fair proportion, as

notified separately by the Competent Authority, with a majority share typically directed to the inventor(s) to encourage continued innovation.

2.4.4 Confidentiality and Non-Disclosure

Researchers handling sensitive, sponsored, or pre-patent information shall execute appropriate confidentiality or non-disclosure agreements, and shall refrain from public disclosure — including in theses, conference presentations, or social media — until the IPR Cell has cleared such disclosure.

2.5 Orientation and Awareness Programmes

2.5.1 Faculty Induction

Newly joining faculty members shall undergo a structured research orientation covering the Institute's research policy, available funding schemes, ethical requirements, IPR procedures, and mentoring expectations.

2.5.2 Student Orientation

Students shall be introduced to the research culture of the Institute early in their programme through orientation sessions, guest lectures by active researchers, and exposure to ongoing projects and laboratories.

2.5.3 Workshops and Capacity-Building

- Regular workshops on research methodology, academic writing, statistical tools, patent drafting and research ethics shall be organised for both students and faculty.
- Refresher sessions on plagiarism policy and publication ethics shall be conducted at least once every academic year.

2.6 Opportunities for Research and Innovation

The R&D Cell / RIC shall coordinate the following opportunities to widen faculty and student access to research funding and support:

2.6.1 Internal Seed Money and Grants

The Institute shall operate a Seed Money Scheme to provide early-stage funding for promising research and innovation ideas proposed by faculty or student teams, evaluated and approved by the Research and Innovation Council.

2.6.2 External Funding and Collaboration

Faculty and research scholars shall be actively supported and encouraged in preparing proposals for funding from national research bodies, government schemes, and industry-sponsored research programmes. The Research Office shall assist with proposal formatting, budgeting, and compliance requirements.

2.6.3 Conference and Publication Support

Financial support shall be extended, within budgetary limits, to present research at recognised conferences, and for publication or article-processing charges in reputed journals.

2.6.4 Internships and Fellowships

Students shall be encouraged to pursue summer research internships, research fellowships, and exchange programmes at partner institutions, research laboratories, and industry R&D centres.

2.6.5 Startup and Incubation Support

Innovative, market-ready ideas emerging from student or faculty research shall be supported through the Institute's incubation facility, including mentoring, workspace, and assistance in accessing external startup funding schemes.

Financial Support Schemes — Indicative Framework

The table below summarises the indicative categories of financial support available under this policy. Exact amounts and eligibility criteria shall be notified separately by the Research and Innovation Council and revised periodically, subject to HoD & Dean R&D approval.

Scheme	Eligible Applicants	Purpose
Seed Money Grant	Faculty / Student Teams	Initiate early-stage research or innovation projects
Conference Support	Faculty / Research Scholars / Students	Present accepted papers at recognised conferences
Publication Support	Faculty / Research Scholars	Article processing charges for reputed journals
Patent Filing Support	Inventors (Faculty / Students)	Cover patent filing and prosecution costs
Internship & Fellowship Support	Students	Support participation in research internships/fellowships
Incubation Support	Student / Faculty Startups	Workspace, mentoring, and prototyping assistance

2.7 Research Facilities and Infrastructure

2.7.1 Laboratories and Central Instrumentation

Departments shall maintain well-equipped research laboratories, and the Institute shall operate a Central Instrumentation Facility for shared access to specialised, high-value equipment across departments.

2.7.2 Library and Digital Resources

The Institute shall provide access to a well-stocked library, subscriptions to relevant journal databases such as IEEE Xplore, Springer, Elsevier, JSTOR and NPTEL, plagiarism-detection tools, and reference management software for all researchers.

2.7.3 Incubation and Innovation Centre

A dedicated Incubation Centre shall provide workspace, prototyping tools, and mentoring support to student and faculty-led startup ventures.

2.7.4 Computational and Data Infrastructure

Adequate computational resources, including high-performance computing access where required, secure data storage, and software licenses, shall be made available to support data-intensive and computational research.

2.8 Curriculum Integration

2.8.1 Research Methodology Courses

Foundational courses in research methodology, including data collection, hypothesis testing, and academic writing, shall be embedded within relevant undergraduate and postgraduate curricula.

2.8.2 Project-Based Learning

Mini-projects and major projects shall be integrated across academic years, progressively building students' ability to identify problems, design studies, and communicate findings.

2.8.3 Research Electives and Credit Recognition

Departments shall offer research-oriented electives, and students shall be permitted to earn academic credit for approved MOOC-based research courses, in accordance with applicable academic regulations.

2.8.4 Industry-Academia Collaborative Projects

Wherever feasible, capstone and major projects shall be aligned with real-world industry or societal problems, undertaken in collaboration with external partners.

2.9 Participation of Faculty Members

2.9.1 Research Workload Allocation

Faculty engaged in active, funded, or high-impact research shall be considered for reasonable adjustment of teaching workload, subject to departmental requirements and approval of the Competent Authority.

2.9.2 Ph.D. Guideship and Research Mentoring

Eligible faculty shall be encouraged to register as research guides, mentor student researchers, and build sustained research groups within their areas of specialisation.

2.9.3 Sabbatical and Study Leave

Faculty may apply for sabbatical or study leave to pursue focused research, subject to Institutional leave policy and continuity-of-teaching arrangements.

2.9.4 Linkage with Performance Appraisal

Research output, quality mentoring, IP generation, and funded project acquisition shall form a recognised component of the faculty performance appraisal framework.

2.10 Participation of Students

2.10.1 Undergraduate and Postgraduate Research

Students at all levels shall be encouraged to engage in research beyond the mandatory curriculum, including independent study projects and faculty-led research assistantships.

2.10.2 Student Research Committees and Clubs

6/9

Departments shall support student-run research clubs and committees that organise peer-learning sessions, journal clubs, and research showcases.

2.10.3 Hackathons, Innovation Challenges and Competitions

Students shall be actively encouraged to participate in hackathons, innovation challenges, and inter-institutional research competitions, with Institutional support for registration and travel where applicable.

2.10.4 Publication and Patent Support for Students

Student researchers shall receive mentoring support to publish their work in student-appropriate venues, and shall be eligible for the same IPR disclosure and support process available to faculty, with due recognition as co-inventors where applicable.

2.11 Rewards and Recognition

To sustain motivation and celebrate excellence, the Institute shall recognise outstanding contributions through:

- Annual Best Researcher and Best Innovator awards for faculty and students respectively.
- Public recognition of published papers, granted patents, and successfully commercialised innovations through Institutional communication channels.
- Preferential consideration for research grants and conference support for consistently high-performing researchers.
- Certificates and citations for student research teams reaching finals or winning at recognised hackathons and innovation challenges.

3. Application and Approval Procedure

The guidelines regarding financial assistance and IPR disclosure shall be implemented as per Research Incentive policy of JDIET.

4. Expected Outcomes

The implementation of this policy is expected to result in:

- Increase in the number and quality of research publications in indexed journals.
- Growth in patent filings, IPR disclosures and successfully commercialised innovations year-on-year.
- Enhanced student participation in research, projects, hackathons and technical events.
- Higher number of funded projects from government and industry bodies (DST, DBT, AICTE, TEQIP, etc.).
- Strengthened research infrastructure, laboratory facilities and incubation support.
- Improved faculty qualification profile (more Ph.Ds, certifications and specialisations).
- Better performance in NAAC, NBA, and NIRF rankings due to enhanced research output.

5. Monitoring, Evaluation and Reporting

The Research and Development Cell shall monitor implementation of this policy through the following mechanisms:

Indicator	Frequency	Responsible Body
Publications, patents, and funded projects	Annual	IPR Cell / Research Office
Seed money utilisation and outcomes	Annual	Research and Development Cell
Student participation in research activities	Annual	Department Research Committees
Plagiarism and ethics compliance	Ongoing	Research Ethics Committee
Incubation and startup progress	Bi-annual	Institute's Innovation Council

An Annual Research and Innovation Report shall be compiled and submitted to the principal, summarising achievements, challenges, and recommendations for the following year.

6. Policy Review and Amendments

This Research and Innovation Policy shall be reviewed once every three years, or earlier if warranted by significant regulatory, institutional or strategic changes, by the Research & Innovation Council, taking into account:

- Institutional priorities and budgetary allocations.
- Emerging trends in research, technology, and education.
- Regulatory and accreditation requirements (AICTE, NAAC, NBA, NIRF).

Amendments to this policy shall require approval by the Principal / Competent Authority and shall be communicated to all stakeholders through official circulars and the institute website.

8/9

Policy Drafting Committee

1	Dean, Research and Development (Policy Drafting Coordinator)	–
2	Dean, Administration & Planning	–
3	Dean, Academics	–
4	Dean, Students Welfare	–
5	Dean, Industry Institute Collaboration	–
6	Dean, Quality Assurance	–
7	Controller of Examination	–
8	Head of the Department – Computer Sci. & Engineering	–
9	Head of the Department – Mechanical Engineering	–
10	Head of the Department – Textile Engineering	–
11	Head of the Department – Electrical Engineering	–
12	Head of the Department – Chemical Engineering	–
13	Head of the Department – Electronics & Telecommunication Engg.	–
14	Head of the Department – Civil Engineering	–
15	First Year Incharge	–
16	Administrative Officer I/c	–
17	Finance and Accounts officer	–

Principal
JDIET, Yavatmal

Secretary
JDES

9/9