



POLICY FOR PROMOTION OF RESEARCH

Improving high-quality scientific research is a necessary requirement for creating successful applications. The objective of Research & Development (R&D) initiatives undertaken by the University is to create researchers, internationalization of human potential, support to strengthen the knowledge foundation and promote the creation of new applications, as well as societal impact of education, research and innovation. All education, research and innovation of this University should aim to be of a high quality. The goal of creating technological and social innovations has emerged alongside R&D-based activities.

To achieve the high quality research ambience the following policies have been undertaken. A research development cell has been established that will prepare and implement the documents for development of research and developmental activities within the University.

1. Establishment of Research and Development (R&D) cell:

1.1 The Research and Development (R&D) Cell was established in 2012 comprising of the following members:

- (i) President - Chairman
- (ii) Registrar
- (iii) Dean Research – Coordinator.
- (iv) Head of all Academic Departments
- (v) Senior Faculty members - nominated by the President.

2. Responsibilities:

2.1 The R&D Cell is responsible for assisting the Academic Council in the performance of the Council's responsibilities in respect of the establishment and promotion of excellence in the University's research and development, and academic and research training activities. This

includes the development, review and monitoring of achievements under the Research & Development, and those aspects of other university/University Plans.

2.2 The development and enhancement of the University's research capacities.

2.3 Motivate all faculties to pursue research in their respective areas of expertise.

2.4 The protection and commercialization of the University's intellectual property.

2.5 Consultancy activities related to R&D.

2.6 The provision of research and development opportunities for academic staff to maintain enthusiasm, awareness of current scholarship and relevance in teaching and other activities.

2.7 The development of infrastructure conducive to promoting the quality and quantity of research and development.

2.8 The establishment of research and development priorities; and monitoring the quality and quantity of school research and development.

2.9 Disbursement of University Research Funds to established researchers, both individually and in groups; including research infrastructure funds; higher degree by research candidates; seeding grants to beginning researchers; research initiatives across the departments; and provision of consolidated information to the Academic Council and other appropriate Institutional bodies.

2.10 Monitor the application of Research Funds to ensure that the funds are properly and formally accounted for.

2.11 Promote emerging areas of research and development.

2.12 Development of mechanisms conducive to the best possible ways of engaging and motivating research staff.

2.13 To monitor and enhance the quality of research programmes, projects and the research infrastructure within University, including the training of research scholars.

2.14 To be responsible for progression of research scholars.

2.15 To foster the development of multi-disciplinary research endeavors across Faculties and Departments.

2.16 Monitor the research and development performance of individuals, groups, Centres, Schools and Faculties to encourage excellence and productivity through maintaining a database of research and development activities.

2.17 Oversee the application of the Code of Research Ethics for the responsible practice of research.

2.18 To formulate incentive schemes for promoting research activities with teachers and students/scholars.

2.19 The quality of postgraduate education to be brought up to an internationally high level. An evaluation of PG program to be carried out by the R&D committee.

2.20 To promote building build strategic, durable partnerships and develop funding solutions with Industries and Research Institutions for steering, funding and cooperation.

3. Terms of Office

3.1 Members of the R&D cell other than *ex officio* members serve for terms of up to five years.

3.2 An appointed member may be able to serve for additional terms as per the approval of the Academic Council of the University.

4. Quorum

The quorum for meetings of the R&D cell shall be the nearest whole number above one third of the membership of the R&D cell for the time being.

5. Meeting Schedule

The R&D cell will meet at least once each semester. The Chairman/Coordinator is responsible for determining if more meetings are required.

6. Reporting

The R&D cell will report to the Academic Council by way of its minutes.

7. Policy for Research and innovation funding: development principles

- (a) Funding will be long-term and predictable, and allocated under transparent criteria.
- (b) Long-term skills development requires a stable funding base: the diverse and strong technological and science base of this Autonomous University will be safeguarded.
- (c) Funding to promote the application, introduction and commercialization.
- (d) New and current resources to be directed towards the most important targets: strengths and selected priority fields; infrastructures; the research career system; internationalization.
- (e) Research and innovation by individual departments will be activated through funding, with the aim of improving the ability to innovate through interdisciplinary research work.
- (f) The funding basis for the University to be diversified; quantitative objectives and incentives to be set for international funding through steering committees.
- (g) A larger share of the research funds will be used for strengthening the knowledge base and for research and innovation as well as cross-border cooperation.
- (h) Expanding the funding base of research Universities will be necessary in the future.
- (i) The University may provide Scholarship to all regular Ph.D Scholars upto an amount of Rs. 20,000 each per month.

(j) The University may provide seed money for development and/or expansion of research and such activities necessary including for infrastructure, lab equipments and apparatus.

8. APPROVAL OF RESEARCH PROPOSALS

8.1 The design and methodology of research undertaken by a member of staff or student, that makes use of research and subjects like people, human remains, other living beings and the environment, must be submitted to R&D Cell for evaluation and approval, especially if legislation, professional councils or institutions affected by the research require it.

8.2 When students hand in research essays, mini-dissertations, dissertations and theses, they must declare that their research has complied with the Code of Research Ethics of the University.

9. CODE OF RESEARCH ETHICS:

This code expresses the ethical values of all staff engaged in academic and/or research activities at the JECRC University, which is counted to:

9.1 uphold the values of freedom, democracy, equality, human dignity and respect for diversity;

9.2 strive for distinguished scholarship, excellence in teaching, reputable research and innovation through leading, challenging, creating and exploring knowledge.

9.3 accomplish the above individually, through collective efforts and partnerships with communities.

9.4 The purpose of the Code of Research Ethics is to guide staff and students engaged in academic and research activities to:

(i) respect the human dignity and rights of all stakeholders.

(ii) promote shared ethical values and fulfill all academic/research activities according to such values.

(iii) uphold and promote individual, group and institutional integrity when in the process of fulfilling the roles as Professors, Guides, Researchers, Mentors and Advisors.

(iv) create trust in the institution and the practice of science and engineering.

(v) this code can be amended from time to time to deal with other aspects of research duties.

(vi) the pursuit of truth through free inquiry and open dialogue.

(vii) just and fair treatment of human beings, other living beings, the environment, and human remains.

(viii) complying with the highest standards of scientific and engineering research

(ix) making no misrepresentation in the dissemination of research information and findings and not fabricating data or information.

(x) designating authorship of consulted research sources clearly, accurately and justly and assigning authorship of research publications accurately and justly.

(xi) committing no form of plagiarism.

(xii) practicing or promoting no form of unfair discrimination in research.

9.5 RELATIONSHIPS WITH THE COMMUNITY

(i) Data or information shall be gathered and recorded in such a way that it can be made available at any time (after completion of the project) to other interested parties without undermining confidentiality.

(ii) Researchers will judiciously consider potentially destructive consequences of their research activities, outcomes or outputs on the human or natural environments and will avoid such research projects, or assiduously reduce the risk of such consequences through their research activities.

(iii) Researchers will exercise their rights to academic freedom and freedom of scientific research, researchers are accountable to the community for the way in which they exercise those rights.

9.6 RELATIONSHIPS WITH SPONSORS

(i) The methods, contents and results of research that has been funded (fully or partially) by external funds, shall be fully disclosed. Full particulars of the person or institution from outside the University who funded the research shall be provided in the published results of the research.

(ii) Researchers shall be honest with sponsors of their research about their qualifications and their research expertise and skills. Researchers shall ensure that sponsors require nothing of their research that is contrary with internationally acknowledged standards for ethical research.

(iii) Researchers shall only utilise a sponsor's funds for purposes explicitly approved by the sponsor.

9.7 RELATIONSHIPS WITH RESEARCH PARTICIPANTS AND RESEARCH OBJECTS

(i) Researchers shall, at all times, respect research participants' right to freedom, dignity, privacy and bodily and psychological integrity.

(ii) Researchers shall treat non-human living beings with care, respect and awareness of their vulnerability and defenselessness.

(iii) Researchers shall undertake research in a manner that does the environment no harm and that creates no additional environmental stress.

(iv) Researchers shall undertake to carry out biohazard waste disposal as per established norms and practices.

(v) Researchers may use people as participants of research only if they have given their proven informed consent for their participation in the research, or, in the case of persons younger than eighteen years, if their guardians have given such informed consent and also observe confidentiality.

ALTERATION/PERMISSION OF MODIFICATION:

The Dean (Research) may propose suggestive changes/alterations to the President which may be accordingly modified/ratified for acceptance for amendments in the policy.