

## **DBIT Research & Development Policy**

### **Don Bosco Institute of Technology, Mumbai, India**

#### **Preamble**

Improving high-quality scientific research is a necessary requirement for creating successful applications. Status of any educational organization depends on research efficiency and innovation. The success of the Don Bosco Institute of Technology (DBIT) Mumbai in attaining its objectives is greatly contingent upon the alignment of the faculty and students with all the aspects of research initiatives, being undertaken at the Institute. The objective of Research & development (R&D) initiatives undertaken by DBIT is to build research careers, internationalization of human potential, support to strengthen the knowledge foundation and promote the creation of new applications and products, as well as societal impact of education, research and innovation. All education, research and innovation of this Institute aimed to be of a high standard. The goal of creating technological and social innovations has emerged alongside R&D-based activities. Therefore, the present research policy aims to help DBIT faculty & student achieve excellence and contribute to organizations and society. To achieve the high quality research ambiance the following policies has been undertaken. A research development cell has been established that prepares and implements the documents for development of research and development activities within the Institute.

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

1.1 The Research and Development (R&D) Cell was established in July 2015 as per the decisions taken by the DBIT management.

1.2. The R&D Cell comprises of the following members

- Principal - Chairman
- Dean – Coordinator - would be the Secretary of the Cell.
- Head of all Academic Departments
- Members\* Senior Faculties, nominated by the Director/Principal.
- Nominee from the Industry

\*Head/Members should have Doctoral degree (Ph.D.)

\*Head/Members should have Research publications in refereed journals to their credit.

## 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 Institute's research and development, and academic as well as research training activities. This includes the development, review and monitoring of achievements under the Research & Development, and those aspects of other collaborative organization Plans.
- 2.2 The development and enhancement of the Institute'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 Institute'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 Institutional 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 department research and development.
- 2.9 Disbursement of Institute Research Funds to established researchers, both individually and in groups; including research infrastructure funds; seeding grants to beginning researchers; research initiatives across the departments and centres; 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 faculty and student research.
- 2.13 To monitor and enhance the quality of research programmes, projects and the research infrastructure within Institute, including the training staff and students.



2.14 To foster the development of multi-disciplinary research endeavors across departments and research centres.

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

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

2.17 To formulate incentive schemes for promoting research activities with teachers and students.

2.18 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 three years.

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

### **4. Meeting Schedule**

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

### **5. Reporting**

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

### **6. 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 Institute 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 and centers will be activated through funding, with the aim of improving the ability to innovate through interdisciplinary research work.

(f) The funding basis for the Institute 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 institutes will be necessary in the future.

## 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-projects, minor projects stuffs, dissertations, and theses, they must declare that their research has complied with the Code of Research Ethics of the Institute.

## 9. Center of Excellence

The Institute would like to create an environment for each department and an institution where they work in a specific research area and be known as a specialist organization. This will conduce to focus on specific research Activities in the specialized areas. Through these efforts, DBIT shall promote a particular department or an institution as the Center of Excellence in due course for a specialized thrust area.



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