GANDHI INSTITUTE FOR TECHNOLOGY (GIFT) BHUBANESWAR

Research Promotion Policy

The accomplishment of the institution's goals through faculty alignment with research projects and related activities is crucial to its success and reputation. Through collaborative research efforts across departments and institutions, GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR is dedicated to pursuing excellence in research and hopes to gain national and international recognition. The goal of the research promotion policy is to assist GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR and its professors in achieving excellence and making contributions to society and organizations. With a set of standards, instructors and students are encouraged to conduct research in their respective fields and interdisciplinary areas. In order to establish and maintain a favourable environment, the institute engages in a variety of activities that expand the boundaries of engineering and technological knowledge and proficiency.
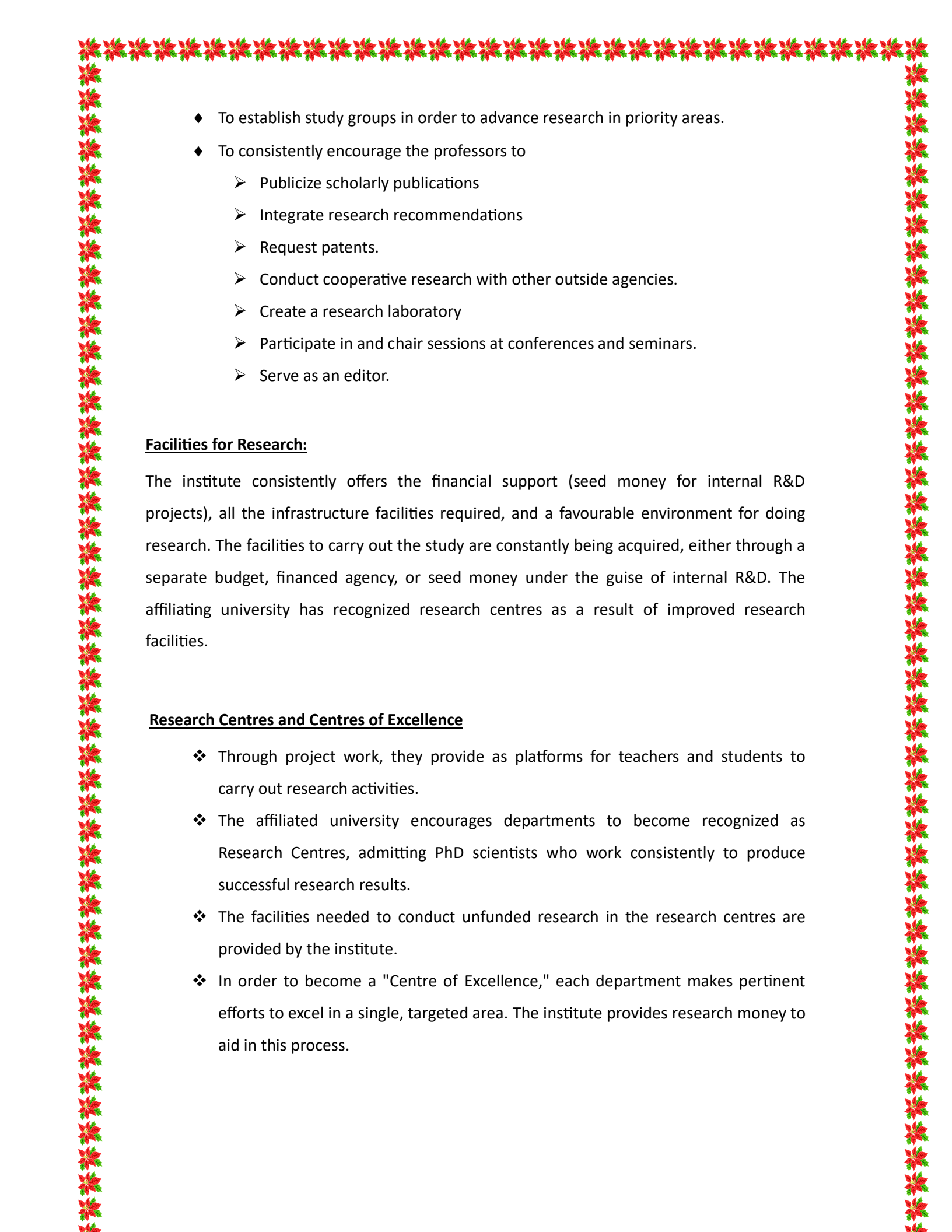
The following are the primary goals of the research promotion policy:

- ❖ To encourage and expedite high-quality research both inside the institute and in partnership with R&D firms, other institutes, and industry.
- ❖ To encourage innovation and consulting by creating Centres of Excellence and Research Centres.
- ❖ To combine research and teaching.
- ❖ To encourage the creation of intellectual property.
- ❖ To turn on incubation facilities and observe how the products progress toward commercialization.
- ❖ To guarantee research ethics, quality, and integrity.

Promotion of Research

The following actions must be taken to enhance the Institute's research performance:

- To expand and improve the institute's skills in research.

- To inspire all faculty members to conduct research in their fields of specialization.

- To safeguard the Institute's intellectual property and make it profitable. in order to handle R&D-related consulting tasks.

- For faculty and students to have access to research and development possibilities

- To establish a favourable atmosphere, infrastructure, and the facilities required to support research, consulting, innovation, and intellectual capital.

- To provide Institute Research Funds, which include seed money awards to start a research culture in all departments and research infrastructure, to seasoned researchers, both individually and in groups.

- To support the research culture and pinpoint the new fields.

- To plan high-quality research events, such as workshops, international conferences, and so forth, and to train research researchers.

- To encourage the growth of interdisciplinary and cooperative research

- To keep a database of research and development activities in order to promote quality and productivity.

- To keep an eye on compliance with the code of ethics for ethical research practices.

- To create incentive programs to encourage research activities among educators and student academics

- To enhance the central library's assortment of advanced books, prestigious journals, and publications so that faculty and students receive the exposure they deserve.

- Enhancing and integrating a research component to the undergraduate and graduate degrees in an assortment of methods such as term papers with a dynamic development, field projects, assignments pertaining to research methods, etc.

- To motivate students to conduct multidisciplinary research projects and write publications.

- ♦ To establish study groups in order to advance research in priority areas.
- ♦ To consistently encourage the professors to
  - ➢ Publicize scholarly publications
  - ➢ Integrate research recommendations
  - ➢ Request patents.
  - ➢ Conduct cooperative research with other outside agencies.
  - ➢ Create a research laboratory
  - ➢ Participate in and chair sessions at conferences and seminars.
  - ➢ Serve as an editor.

Facilities for Research:

The institute consistently offers the financial support (seed money for internal R&D projects), all the infrastructure facilities required, and a favourable environment for doing research. The facilities to carry out the study are constantly being acquired, either through a separate budget, financed agency, or seed money under the guise of internal R&D. The affiliating university has recognized research centres as a result of improved research facilities.

Research Centres and Centres of Excellence

- ❖ Through project work, they provide as platforms for teachers and students to carry out research activities.
- ❖ The affiliated university encourages departments to become recognized as Research Centres, admitting PhD scientists who work consistently to produce successful research results.
- ❖ The facilities needed to conduct unfunded research in the research centres are provided by the institute.
- ❖ In order to become a "Centre of Excellence," each department makes pertinent efforts to excel in a single, targeted area. The institute provides research money to aid in this process.

Innovation and Incubation Centre

The college's Incubation Centre aims to empower young people with interdisciplinary expertise to turn their creative ideas into profitable business ventures that simultaneously address local issues. The following are the main goals of the Incubation Centre:

- ❖ To construct the space, support systems, and physical infrastructure required for business incubation operations.
- ❖ To help incubate firm network with experts, consultants, advisors, mentors, and other professional resources.
- ❖ To undertake training programs, workshops, and the introduction of new value-added courses that encourage students to be innovative and entrepreneurial.
- ❖ To offer connections to resources for higher education that support and encourage innovation, entrepreneurship, and knowledge production.
- ❖ To honor fresh and creative concepts and encourage involvement in product commercialization.

Seed Money Funding for Research

Faculty members are encouraged to submit project proposals at the start of each academic year in order to give their creative ideas a form. After a thorough review by the research advisory committee, viable applications are granted seed funding from the in-house research and development budget.

- ❖ The seed funding method encourages academic members to do research using a basic grant that the university releases to pay for fabrication costs or to buy new tools or equipment.
- ❖ In order to help faculty members expand their proposals and secure funded projects, the procedure itself is designed to provide essential support in research.
- ❖ Furthermore, student projects that result in the creation of novel models receive half or full financial support, depending on the project's merit.
- ❖ To achieve the aforementioned financial requirements, a separate budgetary proposal is submitted for an internal R&D project or "Seed Funding for Research."

Intellectual Property Rights

The college aims at strengthening its research leading to filing patents.

- ❖ Submission of Patent application to the relevant registry by the faculty and/or students
- ❖ Incorporating Institutional affiliation in mandatory for submission of Patent claims/proposals either to Indian offices or to overseas establishments/registries.
- ❖ Patent filing by research in rewarded.
- ❖ In case of Commercialization of the patent, the revenue so generated is shared by the college and the Researcher on a ratio fixed from time to time.

Incentives for promoting Research

The institute promotes high-quality research in a variety of engineering domains, especially the areas of focus determined by the departments. In order to do this, the institute created a plan to incentivize teachers, researchers, and students to produce high-quality research papers, participate in funded projects, and engage in other relevant research endeavours. Additionally, it enables academics to visit businesses, research facilities, conferences, and symposiums in order to improve their engagement with the outside world, learn about the newest technological developments, or gain inspiration from them.

Journal Publications:

1. SCI/SCI-E Journal Publication (Impact factor 5.0 and above): Rs. 10,000/- per paper
2. SCI/SCI-E Journal Publication (Impact factor 3.0 to 5.0): Rs. 8,000/- per paper
3. SCI/SCI-E Journal Publication (Impact factor less than 3.0): Rs. 6,000/- per paper
4. ESCI Journal Publication: Rs. 4,000/- per paper
5. Scopus Indexed Journal publication (unpaid): Rs. 3,000/- per paper

- ❖ The first author will receive the whole incentive amount.
- ❖ Any college faculty member who serves as a supervisor or co-supervisor to outside research scholars is able to provide information on their research papers together with their scholars, even if their name appears as the second, third, or fourth author.

Once the first author presents proof of guidance, only 50% of the applicable sum will be reimbursed.

❖ A third of the total shall be distributed equally among the Faculty of GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR if the first author is not an GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR employee and the Faculty is the second, third, fourth, or fifth author.

❖ If the first author is the Faculty of GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR and a Research Scholar and another Faculty of GANDHI INSTITUTE FOR TECHNOLOGY (GIFT) , BHUBANESWAR is Second/Third/Fourth/Fifth author of the paper, the amount will be equally distributed to the GANDHI INSTITUTE FOR TECHNOLOGY (GIFT) , BHUBANESWAR Faculty members.

❖ Publications without the affiliation of GEC/GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR will not be consider for providing incentives.

Patents

- **Patent filed by faculty with GANDHI INSTITUTE FOR TECHNOLOGY (GIFT) , BHUBANESWAR as applicant**

    o Publication (Indian): Rs. 2,000/- (Per Author)

    o Grant (Indian): Rs. 12,500/- (Per Author)

- **Patent filed by faculty without GANDHI INSTITUTE FOR TECHNOLOGY (GIFT) , BHUBANESWAR as applicant**

    o Filing charges will be paid as incentive will be shared equally among the authors and disbursed the amount payable to GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR Faculty.

Book Chapters (not through conference Proceedings)

- Web of Science/ Scopus Indexed Book Chapters: Rs. 3000 /-.

- Incentive will be shared equally among the authors and disbursed the amount payable to GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR Faculty.

PhD Guidance

Incentives to GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR faculty will be granted for supervising/co-supervising the research work of PhD degree awardees from a recognized university.

- Supervisor: Rs.10000 /-

- Co Supervisor: Rs.5000/

Funded Projects: (Principal Investigator)

- Conference / workshop / seminar grants: 5% of grant
- Funded research project without equipment : 7.5 % of the grant
- Funded research project with the need of equipment : 10 % of the grant

Consultancy Projects:

- ❖ Under the following terms, researchers will get an incentive payment of up to Rs. 5 lakh from the net worth of their consulting work:
- ❖ The only Principal Investigator (PI) of the consulting work should be the faculty member, who should also secure the work independently.
- ❖ The head of the institution shall approve the aforementioned consulting work before faculty and the relevant third party enter into an agreement.
- ❖ It is required that the third party credit the GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR account with the consulting fee.
- ❖ Each member of the GANDHI INSTITUTE FOR TECHNOLOGY (GIFT), BHUBANESWAR faculty working on the project will get a consultancy reward.
- ❖ To determine the net worth of the consulting activity, the expenditures for project staff/technician, contingencies, travel, consumables, lodging, meals, overheads, and other expenses should be deducted from the consultant fee.
- ❖ Up to a maximum of 15 working days per semester, the faculty's attendance at the consulting project shall be regarded as on duty (OD).

Fundamental Administrative procedures for executing Sponsored/ Collaborative Research

- ❖ The member(s) of faculty prepare(s) the proposal for undertaking sponsored/ collaborative projects with relevant documents as per the format issued by the relevant agencies.

- ❖ Research advisory committee reviews the proposal and forwards to the principal for approval leading to the submission to the funding agency.

- ❖ Consequent on the sanction of the project and release of funds, the principal investigator of the project creates a new bank account

- ❖ The PI appoints the required number of project associates by means of an advertisement and payment for such associates is made based on the budget approval of the funding agency.

- ❖ The PIs present the progress of the project periodically and submit to the sponsoring agency

- ❖ The PIs prepare a draft Utilization Certificate (UC) certified by both the finance officer and the Principal of the college which gets duly audited by a qualified chartered Accountant and signed before submitting to the funding agency.

- ❖ Any expenses for items not covered or permitted in the project are met by the college from the Institute research funds with permission from the principal.

- ❖ The outcomes in the form of formulae put forward/observations made/ products/prototypes developed/process invented in / through Sponsored and Collaborative projects are published in high rated journals and relevant endeavours are made for patents and necessary support gets extended by the institute.

- ❖ As for intra-institutional research is concerned, the faculty are encouraged to come up with upgraded proposals to work in collaboration with premier institute like IITs, central universities and other engineering institutions having research interest