

TIET Sustainability Research Policy

Introduction

Thapar Institute of Engineering and Technology (TIET) is committed to advancing sustainability research to address the pressing environmental challenges of our time. This policy outlines the principles, goals, and guidelines to promote sustainability research across all disciplines. By fostering a collaborative and innovative research environment, TIET aims to contribute significantly to the development of sustainable solutions for the benefit of society and the planet.

Objectives

1. **Promote Interdisciplinary Research:** Encourage collaboration across various academic disciplines to address complex sustainability challenges.
2. **Enhance Research Funding:** Secure and allocate funding to support innovative sustainability research projects.
3. **Foster Partnerships:**
 - Build strong partnerships with industry, government, and non-profit organizations to enhance the impact and applicability of sustainability research.
 - Encourage inter-disciplinary collaborations within the institute leading to research on sustainable processes and practices
4. **Increase Research Capacity:** Develop the necessary infrastructure and resources to support high-quality sustainability research.
5. **Disseminate Knowledge:** Ensure that research findings are effectively communicated to the broader community and contribute to public policy and practice.

Research Priorities

1. **Climate Change Mitigation and Adaptation:** Research focused on reducing greenhouse gas emissions and developing strategies to adapt to the impacts of climate change.
2. **Sustainable Energy:** Exploration of renewable energy sources, energy efficiency, and sustainable energy systems.
3. **Biodiversity and Ecosystem Services:** Studies aimed at understanding and preserving biodiversity and the ecosystem services that support human well-being.
4. **Sustainable Urban Development:** Research on creating sustainable cities and communities, including transportation, housing, and green infrastructure.
5. **Circular Economy:** Investigation of waste reduction, recycling, and sustainable production and consumption patterns.

Guidelines for Researchers

1. **Ethical Conduct:** Ensure all research is conducted ethically, with respect for human rights, cultural values, and environmental sustainability.
2. **Collaborative Approach:** Encourage interdisciplinary and cross-sector collaboration to leverage diverse expertise and perspectives.
3. **Community Engagement:** Involve local communities and stakeholders in the research process to ensure relevance and impact.
4. **Transparent Reporting:** Maintain transparency in research methodologies, data collection, and reporting of findings.
5. **Continuous Improvement:** Regularly review and update research practices to incorporate new knowledge and technological advancements.

Funding and Resources

1. **Internal Grants:** Allocate university funds to support pilot projects, seed funding, and ongoing research in sustainability.
2. **External Funding:** Assist researchers in identifying and securing funding from external sources such as government grants, industry partnerships, and philanthropic organizations.

Implementation Strategy

1. **Leadership and Governance:** Establish a Sustainability Research Committee to oversee the implementation of this policy, monitor progress, and make recommendations for improvement.
2. **Strategic Planning:** Develop a comprehensive strategic plan outlining specific actions, timelines, and responsibilities to achieve the objectives of this policy.
3. **Performance Metrics:** Define and monitor key performance indicators to measure the success of partially or fully funded sustainability research initiatives.

Conclusion

By adopting this Sustainability Research Policy, TIET commits to being a leader in sustainability research, addressing the urgent environmental challenges facing our world. Through interdisciplinary collaboration, robust funding, and a commitment to ethical and impactful research, we aim to create a sustainable future for generations to come.

Contact Information

For further information or inquiries about this policy, please contact the Sustainability Research Committee at dean.sustainability@thapar.edu with cc to (1) adean.sustainability1@thapar.edu and (2) dorsp@thapar.edu