



ENGINEERING COLLEGE

RESEARCH AND DEVELOPMENT CELL

VISION

To establish ISLEC Engineering College as an institute of excellence in research and development, committed to fostering innovation, advancing knowledge through industry and academia collaboration that positively solve societal problems.

MISSION

M1. To create a dynamic and supportive environment for research and development, wherein students, faculty, and industry professionals collaborate to address complex problems and develop sustainable solutions.

M2. Foster a culture of research and innovation by creating an ecosystem to disseminate the knowledge; inculcate passion leading to validation of ideas and prototyping.

M3. To collaborate with research organizations, institutions to aimed at grants to undertake real time research to solve societal problems.



ENGINEERING COLLEGE

IPR CELL

VISION

The vision of the Indian Patent Facilitation Centre at ISLEC Engineering College is to become a premier platform for fostering innovation, protecting intellectual property, and promoting technological advancements in India and strive to create a conducive environment that empowers inventors and entrepreneurs, enabling them to thrive and contribute to India's vision as a global innovation hub.

MISSION

M1. Aim to foster a culture of innovation and creativity among the college community. By providing guidance, resources, and mentorship, guidance and support to inventors and entrepreneurs in commercializing their patented technologies

M2. Strive to streamline the patent application process for inventors to patent office. and provides guidance and support in preparing patent applications reply to FER hearing and grant.. By fostering strong relationships, facilitate technology transfer, licensing agreements, and collaborative research projects

M3. Build a comprehensive database of patents and intellectual property assets generated within our institution. This repository will serve as a valuable resource for researchers, student and faculty, and policymakers, facilitating knowledge exchange and inspiring further innovation



ENGINEERING COLLEGE

ENTREPRENEURSHIP DEVELOPMENT CELL

VISION

The vision of the Entrepreneurship Program at ISL Engineering College is to cultivate a vibrant entrepreneurial ecosystem that empowers students to become successful and socially responsible entrepreneurs. By empowering our graduates with Enhanced skills, knowledge, and mind set necessary to propel economic growth, and positively impact society.

MISSION

M1. Nurture entrepreneurial mindset and skills: We strive to instill an entrepreneurial mindset in our students, encouraging Design thinking , embrace risk-taking, and develop an innovative spirit.

M2. Provide comprehensive entrepreneurial support: Committed to providing comprehensive support to aspiring entrepreneurs at every stage of their entrepreneurial journey. By creating a supportive ecosystem where entrepreneurial endeavors are valued and celebrated.

M3. Foster a culture of innovation and collaboration: We aim to create a vibrant and collaborative environment that fosters innovation and entrepreneurship. also aim to bridge the gap between academia and the industry world, fostering a strong connection between education and real-world entrepreneurship by launching successful ventures that contribute to economic growth and address societal challenges.



ENGINEERING COLLEGE

INTERNAL CONSULTANCY RESEARCH POLICY

Introduction:

The Internal Consultancy Research Policy for Projects outlines the guidelines and procedures to be followed by the internal consultancy team within an organization. This policy aims to ensure that research conducted by the internal consultancy team is rigorous, ethical, and aligns with the organization's strategic goals. The policy covers various aspects of research, including project selection, methodology, data collection, analysis, and reporting.

Project Selection:

- 1.1. Alignment with Organizational Goals: All projects undertaken by the internal consultancy team must align with the strategic goals and priorities of the organization.
- 1.2. Clear Objectives: Each project should have well-defined objectives and deliverables that are specific, measurable, achievable, relevant, and time-bound (SMART).

Research Methodology:

- 2.1. Rigorous Approach: The internal consultancy team should utilize appropriate research methodologies, such as qualitative, quantitative, or mixed-method approaches, based on the nature of the project and research question.
- 2.2. Ethical Considerations: Research should be conducted in compliance with ethical standards, ensuring participant confidentiality, informed consent, and data protection.

Data Collection:

- 3.1. Data Sources: The internal consultancy team should identify and use reliable and relevant data sources for the research project. This may include internal organizational data, external databases, surveys, interviews, or observations.
- 3.2. Data Quality: Measures should be taken to ensure the accuracy, validity, and reliability of collected data through appropriate sampling techniques, data verification, and quality control procedures.

Data Analysis:

- 4.1. Analytical Techniques: The internal consultancy team should employ appropriate analytical techniques, such as statistical analysis, qualitative coding, or thematic analysis, to derive meaningful insights from the collected data.

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4.2. Quality Assurance: Peer review and cross-validation should be conducted to ensure the accuracy and reliability of the data analysis process.

Reporting and Communication:

5.1. Clear and Concise Reporting: Research findings should be communicated in a clear, concise, and structured manner. The report should include an executive summary, research methodology, key findings, conclusions, and recommendations.

5.2. Stakeholder Engagement: The internal consultancy team should actively engage with key stakeholders throughout the research process, seeking their input and feedback to enhance the relevance and impact of the research.

Documentation and Knowledge Management:

6.1. Documentation: All research projects should be documented in a systematic manner, including research protocols, data collection instruments, analysis plans, and final reports.

6.2. Knowledge Sharing: The internal consultancy team should foster a culture of knowledge sharing, ensuring that research findings, insights, and best practices are disseminated within the organization through appropriate channels.

Continuous Improvement:

7.1. Evaluation: The internal consultancy team should periodically evaluate the effectiveness of the research projects and processes, seeking feedback from stakeholders and identifying areas for improvement.

7.2. Professional Development: Team members should be encouraged to enhance their research skills and stay updated with the latest research methodologies and techniques.

Conclusion:

The Internal Consultancy Research Policy for Projects provides a framework for conducting high-quality research within the internal consultancy team. Adhering to this policy ensures that projects are aligned with organizational goals, research is conducted ethically, data is collected and analyzed rigorously, and findings are effectively communicated. By following this policy, the internal consultancy team can contribute to evidence-based decision-making, innovation, and continuous improvement within the organization.



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THE ETHICS OF ACADEMIC RESEARCH POLICY

The ethics of academic research policy refers to the principles and guidelines that govern the conduct of research within academic institutions. These policies are designed to ensure that research is conducted in a responsible, ethical, and transparent manner. Here are some key considerations in the ethics of academic research policy:

Integrity and honesty:

Academic research should be conducted with integrity and honesty. Researchers should accurately report their findings, avoid plagiarism, and appropriately credit the work of others.

Informed consent:

Researchers should obtain informed consent from participants involved in their studies. This means that participants should be fully aware of the nature of the research, its purpose, potential risks, and benefits, and they should voluntarily agree to participate.

Privacy and confidentiality:

Researchers should protect the privacy and confidentiality of research participants. This includes ensuring that personal information is securely stored, anonymizing data whenever possible, and obtaining necessary permissions before accessing and using sensitive information.

Conflict of interest:

Researchers should disclose any potential conflicts of interest that may compromise the objectivity and integrity of their research. This could include financial or personal relationships that may influence the research process or its outcomes.

Data management and research integrity:

Researchers should ensure the accuracy, reliability, and reproducibility of their research. This includes properly documenting research procedures, maintaining clear and organized records, and sharing data and methodologies for the benefit of the scientific community.

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Collaboration and attribution:

Researchers should appropriately acknowledge and attribute the contributions of others in their research. This includes giving credit to collaborators, acknowledging funding sources, and properly citing previous work that informs the current research.

Peer review:

Researchers should participate in the peer review process by providing timely, constructive, and impartial evaluations of others' research. Peer review helps ensure the quality and validity of scientific publications.

Ethical oversight:

Academic institutions should establish mechanisms for ethical oversight of research activities. This includes the establishment of research ethics committees or institutional review boards that review and approve research proposals involving human participants, animals, or potentially sensitive topics.

It is important for academic institutions and researchers to adhere to these ethical principles to maintain public trust, uphold the integrity of scientific research, and protect the rights and welfare of research participants.



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EXTERNAL SPONSORSHIP POLICY

Introduction:

The purpose of this document is to outline the policy and guidelines regarding external sponsorship for projects within an organization. External sponsorship refers to financial or in-kind support received from external entities such as businesses, foundations, or individuals for specific projects or initiatives. This policy aims to ensure transparency, fairness, and accountability in soliciting and managing external sponsorships.

Policy Statement:

Our organization encourages and welcomes external sponsorship for projects that align with our mission, values, and strategic objectives. External sponsorships can provide additional resources, expertise, and networking opportunities, enabling us to deliver high-quality projects that create a positive impact. This policy establishes the framework for soliciting, evaluating, accepting, and managing external sponsorships in a manner that upholds our organizational integrity and interests.

Guidelines:

Eligibility and Prioritization:

- Projects seeking external sponsorship must align with the organization's mission, vision, and values.
- Prioritization criteria should be established to determine which projects are eligible for external sponsorship based on their strategic importance, potential impact, and resource requirements.

Sponsorship Solicitation:

- A designated team or individual should be responsible for soliciting external sponsorships.
- Ethical guidelines and best practices should be followed during the solicitation process, ensuring transparency, honesty, and compliance with applicable laws and regulations.
- All potential sponsors should be treated equitably and given fair opportunities to contribute.

Sponsorship Evaluation and Acceptance:

- Sponsorship proposals should be evaluated based on the project's alignment with the organization's objectives, the sponsor's reputation, and the potential benefits and risks associated with the sponsorship.

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- b. Clear evaluation criteria should be established to guide the decision-making process.
- c. Final approval for sponsorship acceptance should be granted by authorized individuals or committees, ensuring that conflicts of interest are appropriately managed.

Sponsorship Agreements:

- a. Written sponsorship agreements should be developed and executed with the sponsoring entity. These agreements should clearly define the rights, responsibilities, and expectations of both parties.
- b. Agreements should address financial contributions, in-kind support, intellectual property rights, branding guidelines, reporting requirements, and any other relevant terms and conditions.

Sponsorship Management:

- a. A designated project manager or team should be responsible for overseeing the sponsorship relationship throughout the project's lifecycle.
- b. Regular communication with sponsors should be maintained to ensure transparency, provide progress updates, and address any concerns or issues that may arise.
- c. Financial reporting, as per the agreed terms, should be provided to sponsors.
- d. Acknowledgment of sponsors should be carried out according to the agreed branding guidelines, ensuring visibility and recognition for their support.

Conflict of Interest:

- a. Individuals involved in the sponsorship process should disclose any potential conflicts of interest.
- b. Conflicts of interest should be managed transparently and impartially to avoid compromising the integrity of the sponsorship decision-making process.

Compliance and Accountability:

- a. All activities related to external sponsorship should comply with applicable laws, regulations, and organizational policies.
- b. Adequate record-keeping should be maintained to ensure accountability, transparency, and future reference.

Conclusion:

This external sponsorship policy aims to provide a clear and consistent framework for soliciting, evaluating, accepting, and managing external sponsorships for projects within the organization. By adhering to these guidelines, we can foster meaningful collaborations, enhance project outcomes, and maintain the organization's reputation and integrity. Regular review and updates to this policy should be conducted to ensure its continued effectiveness and alignment with evolving organizational needs and best practices.



ENGINEERING COLLEGE

IPR CELL POLICY

The specific policies and guidelines of a Patent Facilitation Centre can cover a wide range of areas as per Indian Patent Right highlighted practice as follows

❖ **Patent application procedures**

IPR Cell provides training on how to prepare and file a patent application, including the necessary documentation, forms, and fees.

❖ **Prior art search:**

IPR Cell Provides information on conducting a comprehensive search of prior art relevant to the invention being patented to determine the patentable criteria.

❖ **Patent examination process**

IPR Cell Provides steps involved in the examination of a patent application, including the criteria used to assess patentability, such as novelty, inventive step, and industrial applicability reply to FER before filing for patent.

❖ **Patent prosecution:**

Interaction between the applicant and the patent office during the examination process. ISLEC outlines the timeline, procedures, and requirements for responding to FER claims, amendments, and other communication with the patent office.

❖ **Intellectual property rights education:**

IPR Facilitation Centres regularly provide training and workshops to enhance the understanding of intellectual property rights, including patents, copyrights, trademarks, and. These educational programs help student faculty make informed decisions regarding their intellectual property.

❖ **Collaboration and networking:**

IPR Facilitation Centre promotes collaboration between inventors, businesses, and research institutions, fostering an environment that encourages innovation and knowledge-sharing.



ENGINEERING COLLEGE

ISLEC ENTERPRENUERSHIP POLICY

❖ **Startup Registration:**

- ISLEC facilitate the registration of startups under the MSME,OTBI, Startup India program, MHRD and IIC.
- A streamlined process for startups to register and avail various benefit as per NISP Policy is given by ISLEC

❖ **Incubation Support:**

- An incubation center is established under ISLEC in collaboration with MSME IIC OTBI to support early-stage startups.
- ISLEC Provides physical infrastructure, mentorship, and access to networks for startups.
- ISLEC also Organize entrepreneurship development programs, workshops, and training sessions.

❖ **Funding and Financial Support:**

- Facilitate access to capital for startups through various funding options under diversified field .
- Promote awareness about government schemes and initiatives providing financial assistance.
- Collaborate with financial institutions, venture capitalists, and angel investors to facilitate funding.

❖ **Policy Support:**

- Establish a favourable policy environment for startups by ISLEC .
- Advocate for policies that promote innovation, ease of doing business, and entrepreneurship.
- Collaborate with government bodies to address regulatory challenges faced by startups.

❖ **Networking and Collaboration:**

- Foster a strong startup community by organizing networking events, meetups, and conferences.
- Facilitate collaboration between startups, industry experts, and academia.

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- Establish partnerships with other entrepreneurship cells, incubators, and innovation hubs.

❖ **Skill Development:**

- Offer skill development programs and workshops to enhance the entrepreneurial capabilities of individuals.
- Collaborate with educational institutions to incorporate entrepreneurship education and training.

❖ **Mentoring and Advisory Support:**

- Connect startups with experienced mentors and advisors from relevant industries.
- Provide guidance and support to startups in areas such as business strategy, marketing, finance, and technology.

❖ **Recognition and Rewards:**

- Recognize and reward successful startups, entrepreneurs, and innovations.
- Organize startup showcases and competitions to highlight the achievements of ISLEC's startups.