

DISTINCTIVE PRACTICE

**INITIATION, ESTABLISHMENT &
STRENGTHENING OF INNOVATION ECOSYSTEM
WITHIN THE CAMPUS**

VISION

To be a world - class university imparting knowledge and values and providing students, an excellent learning experience through research & innovation in the field of Science, Technology, Management and other areas that will meet the aspirations of world community.

MISSION

University stands for academic, professional and ethical empowerment of the youths by using the state-of-the-art technology, time-tested and innovative concepts, excellent infrastructure and internationally acclaimed facilitators.

MESSAGE FROM HONORABLE VICE CHANCELLOR



At IIMT University, innovation is more than an aspiration; it is a driving force that defines our ethos. The establishment and strengthening of a robust innovation ecosystem within our campus reflect our unwavering commitment to fostering creativity, entrepreneurship, and sustainable development.

In alignment with national policies and global benchmarks, our initiatives are designed to empower students, faculty, and researchers with the skills, resources, and opportunities to explore, experiment, and excel. The establishment of state-recognized incubators, the adoption of progressive frameworks like NISP 2019 and KAPILA, and active participation in platforms such

as YUKTI-NIR are milestones that mark our journey toward creating a transformative educational environment.

Our innovation ecosystem is not just a physical infrastructure—it is a culture that nurtures critical thinking, encourages collaboration, and drives impactful solutions to real-world challenges. It is our mission to ensure that every individual associated with IIMT University is equipped to contribute meaningfully to societal progress and economic growth.

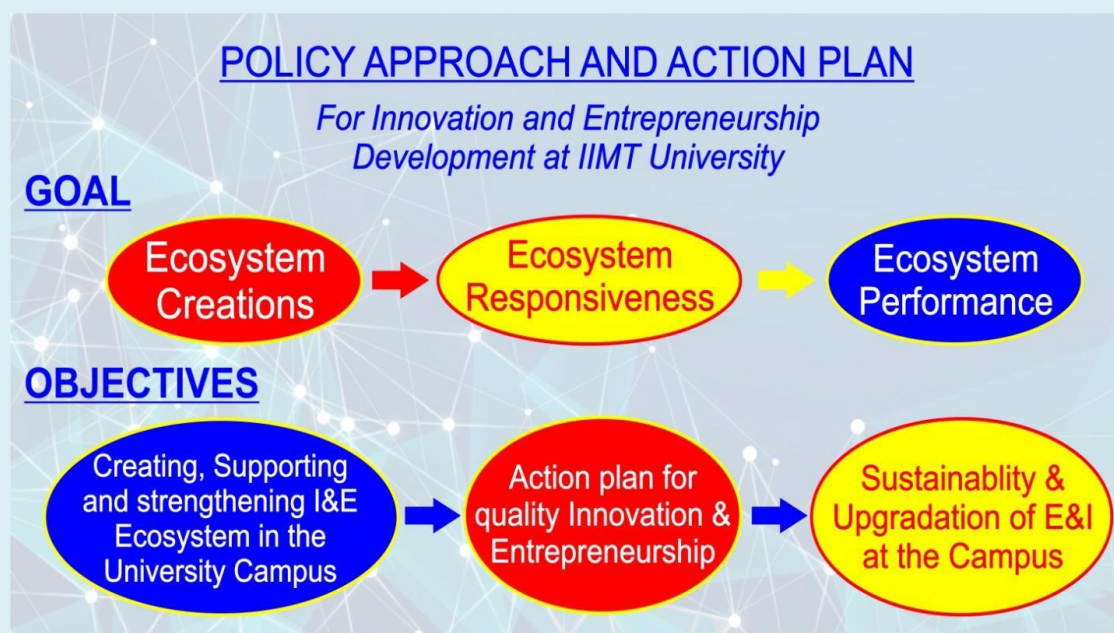
As we continue to build on this foundation, I am confident that IIMT University will remain at the forefront of innovation and entrepreneurship, setting benchmarks for excellence and inspiring generations to dream, design, and deliver.

Let us work together to harness the power of innovation and make a difference.

Dr. Deepa Sharma
Vice Chancellor

IIMT UNIVERSITY MEERUT

- A. **TITLE OF BEST PRACTICE:** Initiation, Establishment & Strengthening of Innovation Ecosystem within the campus.
- B. **OBJECTIVES OF THE PRACTICE:** The objective of establishing an innovation ecosystem is to create a supportive and dynamic environment that fosters the development, collaboration, and commercialization of innovative ideas, technologies, and solutions. Such ecosystems aim to bring together various stakeholders from academia, industry, government, startups, investors, and other relevant sectors. The establishment of an innovation ecosystem creates a synergistic environment where diverse stakeholders collaborate, learn from each other, and collectively contribute to the growth and advancement of industries, technologies, and societies.



C. **CONTEXT:** The innovation ecosystem refers to the interconnected network of organizations, individuals, resources, and processes that collectively foster and support innovation within a specific region, industry, or domain. It provides an environment in which ideas can be generated, developed, and transformed into new products, services, or processes that create value and drive economic growth. The context of an innovation ecosystem encompasses various elements that influence and shape the innovation process and also encompasses a complex interplay of various elements that collectively create an environment conducive to the generation and realization of innovative ideas.

The strength and effectiveness of an innovation ecosystem depend on how well these elements are integrated and how supportive they are of the innovation process

D. **THE PRACTICE:** This practice at IIMTU involves creating and nurturing an environment where innovation can thrive and flourish. Creating a successful innovation ecosystem requires a holistic approach that takes into account both tangible and intangible factors. It's about fostering an environment that enables the seamless flow of ideas, resources, and expertise, ultimately driving economic growth, technological advancement, and societal progress. The key attributes of this practice are as follows:

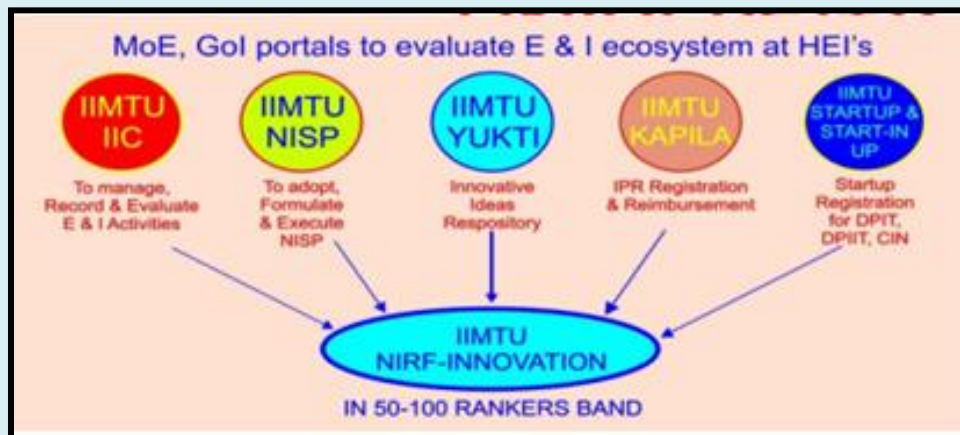
1. **Diverse Stakeholders:** An effective innovation ecosystem involves various stakeholders, such as entrepreneurs, startups, established companies, investors, researchers, educational institutions, government agencies, and non-profit organizations. Diversity within the ecosystem promotes cross-pollination of ideas and expertise.
2. **Collaboration:** Encouraging collaboration among different stakeholders is crucial. Collaboration can take the form of partnerships, joint ventures, research consortia, and open innovation initiatives. Sharing resources, knowledge, and expertise can accelerate the innovation process.

3. **Access to Funding:** Adequate funding mechanisms, such as venture capital, angel investors, grants, and government funding, are essential to support startups and innovative projects at various stages of development.
4. **Infrastructure and Resources:** Providing physical and digital infrastructure, such as co-working spaces, research labs, prototyping facilities, and access to advanced technologies, can lower barriers for innovation.
5. **Education and Skill Development:** Offering training, workshops, mentorship, and educational programs helps individuals acquire the necessary skills and knowledge to participate in the innovation process.
6. **Regulatory Support:** Governments can play a role in creating a favorable environment by implementing policies and regulations that foster innovation, protect intellectual property, and simplify bureaucratic processes.
7. **Networking Opportunities:** Events, conferences, meetups, and networking platforms facilitate connections between innovators, investors, and other ecosystem stakeholders.
8. **Market Access and Commercialization Support:** Facilitating pathways to market for innovative products and services is critical. Incubators, accelerators, and technology transfer offices can assist in commercialization efforts.
9. **Continuous Learning and Adaptation:** Innovation ecosystems need to evolve and adapt to changing trends and technologies. Regular assessment and improvement of ecosystem components are necessary to ensure relevance and effectiveness.
10. **Global Connectivity:** Engaging with the global innovation landscape through partnerships, collaborations, and knowledge exchange can bring in fresh perspectives and opportunities.

E. EVIDENCES OF SUCCESS:

- The evidence of this practice lies in successful establishment and extension of Innovation & Incubation with Entrepreneurship Development Cell, Intellectual Property Rights cell and Start-up Cell.
- Apart from this, IIMT University has received grants of 25 lakhs and 1.25Cr as funding for prototype development by the MSME, Government of India.
- Presently, 70 project ideas have also been submitted to the MSME for Capital establishment.
- The University has been successfully recognized and acknowledged by the Institutions Innovation Council for past four years in succession and IIMTU has bagged the prestigious 4 Star Rating by IIC in the years 2019, 2020, 2021 and 2022.
- The IIMT-Centre of Innovation, Incubation and Entrepreneurship (Incubator) of the University is associated with MoE-IIC IIMTU cell (among top ten in northern India since 2018) for recognizing the innovative ideas of the young minds by conducting hackathons, ideations, established IPR cell to protect the intellectual property rights of innovations and new research and facilitate the patenting of ideas, EDP cell to motivate students towards entrepreneurship, MSMEs, Start-ups Employability Skill Enhancement training cell which is providing training to enhance the skills of the students through the following state of art centre of excellences;
 - i. IIMT-Centre of Innovation, Incubation and Entrepreneurship
 - ii. Central Instrumentation Lab
 - iii. Center for Research Analytics
 - iv. IIMT-Business Incubator Foundation
 - v. IIMTU- Centre for Research and Development-Pharmacy
 - vi. IIMTU- Institute Innovation Council (For establishing Innovation ecosystem)
 - vii. Centre for Fabrication and Prototyping
 - viii. IIMTU-Skill Development Centre
 - ix. IIMTU- IPR Cell

- IIMT University has bagged the prestigious NIRF-Innovation Rank and it is placed among the top 100 Universities of the country.
- The University is also placed in the prestigious A1- Diamond Band in the National Outcome Based Education Ranking 2022-2023.



The University has also shown remarkable progress in the field of Innovation and it is well reflected in the number of IPR's procured by the University. A graphical representation of the same is depicted below:

NIRF-Innovation Rank

Innovation and research are cornerstones of institutional excellence, playing a critical role in societal and economic development. The National Institutional Ranking Framework (NIRF), initiated by the Ministry of Education, Government of India, assesses the performance of higher education institutions across multiple parameters. Among these, the Innovation Ranking specifically evaluates an institution's ability to foster innovation, research, and development, and highlights its contributions toward societal advancement and sustainable growth.

In alignment with the NIRF's framework, our institution has implemented and strengthened an innovation ecosystem within the campus, reflecting our commitment to promoting a culture of creativity, entrepreneurship, and problem-solving. This ecosystem serves as a dynamic platform to inspire students, faculty, and researchers to engage in pioneering initiatives, interdisciplinary collaboration, and industry-relevant projects.



The National Student and Faculty Startup Policy-2019

At IIMT University, innovation is not just a buzzword—it is ingrained as a way of life. With the adoption of the National Innovation and Startup Policy (NISP) 2019 for students and faculty, the institution has reaffirmed its commitment to cultivating a vibrant culture of innovation and entrepreneurship among its faculty and students.

The NISP 2019 serves as a transformative framework, empowering students to transform their innovative ideas into successful entrepreneurial ventures. By offering comprehensive support through mentorship, funding opportunities, and incubation facilities, the university equips aspiring entrepreneurs with the tools and resources needed to navigate the complexities of the startup ecosystem effectively.

This initiative has been pivotal in creating a dynamic innovation ecosystem within the campus, fostering creativity, and enabling groundbreaking projects that contribute to societal progress and economic development.



Institution Innovation Council: Fostering Innovation and Entrepreneurship

In alignment with the Ministry of Education's vision to promote innovation and entrepreneurship within higher education institutions, IIMT University's Institution Innovation Council (IIC) has emerged as a transformative force. Building on a strong foundational framework, the IIC has taken proactive steps to cultivate a culture of innovation, creativity, and entrepreneurship across the university community, encompassing students, faculty, and the wider public.

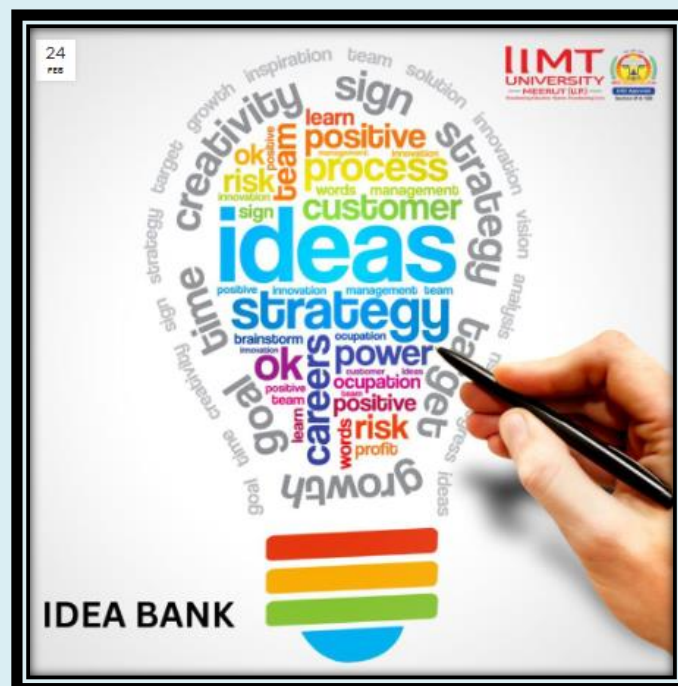
This initiative has played a pivotal role in driving change by embedding innovative thinking and entrepreneurial spirit into the academic fabric of the university. Through targeted programs, events, and support systems, the IIC ensures the seamless integration of innovation as a core value, contributing significantly to the institution's overall impact and success.



YUKTI – National Innovation Repository (NIR)

The Ministry of Education (MoE), Government of India, in collaboration with the All India Council for Technical Education (AICTE) and the MoE's Innovation Cell, introduced the YUKTI National Innovation Repository (NIR) to revolutionize the innovation landscape in academic institutions. YUKTI-NIR aims to create a comprehensive database of innovative ideas, inventions, and entrepreneurial ventures emerging from higher education institutions.

At IIMT University, the implementation of YUKTI-NIR has further strengthened the campus innovation ecosystem by providing a platform to showcase groundbreaking projects and connect them with essential resources. Through this initiative, the university has facilitated access to funding opportunities, expert mentorship, and partnerships with incubation centers, investors, and knowledge networks. By actively contributing to YUKTI-NIR, the institution not only empowers its innovators but also enhances its role in driving societal progress and economic growth through sustained innovation and entrepreneurship.



KAPILA for Innovation

IIMT University has embraced the KAPILA (Kalam Program for Intellectual Property Literacy and Awareness) initiative launched by the Ministry of Education, Government of India, as a cornerstone for fostering innovation and intellectual property (IP) awareness. KAPILA aims to empower academic institutions by enhancing their capacity to identify, protect, and commercialize intellectual property rights (IPRs).

At IIMT University, the adoption of KAPILA has significantly bolstered the innovation ecosystem on campus. The program provides students and faculty with the knowledge and tools to transform creative ideas into protected intellectual assets. Workshops, training sessions, and expert-led seminars have been conducted to educate the academic community on the critical aspects of IP creation, filing, and management.

By integrating KAPILA into its innovation framework, IIMT University has strengthened its commitment to nurturing a culture where innovative thinking is not only encouraged but also protected and celebrated. This initiative ensures that the university's contributions to societal and economic progress are safeguarded while empowering innovators to bring their ideas to fruition with confidence and legal backing.



IIMT University Business Incubator: Driving Entrepreneurship

In UP

At IIMT University, fostering innovation, entrepreneurship, and sustainable development is at the heart of our mission. Reflecting our unwavering commitment to nurturing aspiring entrepreneurs, we have established a state government-recognized business incubator under the prestigious “Start in UP” scheme of Uttar Pradesh.

This initiative aligns seamlessly with our vision to empower individuals by providing the tools, resources, and mentorship required to transform their innovative ideas into thriving ventures. By offering a robust support system within the incubator, we are equipping entrepreneurs with the knowledge and opportunities necessary to make a meaningful impact on society and the economy.

F. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

Establishing an innovation cell within an organization can bring about numerous benefits, but it also comes with its fair share of challenges. Some of the problems encountered during the establishment of an innovation cell include:

- Resistance to changing dynamics.
- Resource allocation.
- Ever increasing competition.
- Mismatched expectations.
- Integration with existing dynamics.
- Intellectual property generation and concerns.
- Fragmentation of efforts/isolated working/lack of team work.
- Sustainability of Initiatives and their desired outcomes.



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