



**Gujarat
Technological
University**

INTERNATIONAL INNOVATIVE UNIVERSITY

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R & D Newsletter

Gujarat Technological University, Ahmedabad

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- Collaborations/Interactions
- Research Oriented Talks

Table of **CONTENTS**

PAGE NO.
03 **Message From Hon'ble Vice Chancellor**

PAGE NO.
04 **Turnitin Roundtable on the theme "Navigating the Future: Innovation and Integrity in the Era of AI"**

PAGE NO.
05 **Session on Geographical Indications (GIs) for Craft and Agricultural Communities**

PAGE NO.
05 **Session on IPR Basics for Innovators and Entrepreneurs**

PAGE NO.
06 **Session on Research to Rights: IPFC Guidance for PhD Work**

PAGE NO.
07 **PhD Students' Orientation Programme – Batch (2025-26)**

PAGE NO.
07 **Session on Protecting IC Layout Designs, Circuits, and Chip Architectures: an IPR Perspective**



Message From Hon'ble Vice Chancellor

Dear Faculty Members and Researchers,

We are delighted to bring you quarterly edition of our R&D Newsletter, an initiative of Research & Development Cell, to focus on our growing research culture built across the University and its affiliated colleges.

These newsletters present a brief summary of our recent research activities and initiatives, and other events to advance and promote a research ecosystem. The one of the objectives of this newsletter is to inspire our faculties and research scholars to strengthen the research landscape. We encourage you to actively engage in these research activities and initiatives, and also share this newsletter across your networks.

With your support, we aim to expand our reach across leading research institutions and industries, both nationally and internationally. We look forward for your suggestions that can further enrich and promote our research environment.

Congratulations to the R&D Cell for their hard work and dedication in bringing out this quarterly newsletter. We invite you to connect with R&D Cell for contributing in establishing partnerships and collaborations aimed towards advancing research in emerging areas and built a culture of innovation.

Best wishes,

(Dr. R. K. Gajjar)

Turnitin Roundtable *on the theme “Navigating the Future: Innovation and Integrity in the Era of AI”*

Gujarat Technological University (GTU), in association with Turnitin, successfully organized a round table conference titled “Navigating the Future: Innovation and Integrity in the Era of AI” on 10th November 2025. The event brought together 37 academic leaders, educators, and technology experts from across the state and the nation to deliberate on the opportunities and challenges of integrating Artificial Intelligence (AI) in academia while safeguarding academic integrity.

The event commenced with a warm welcome by Dr. Komal Borisagar, followed by the inaugural address by the Hon'ble Vice Chancellor- Dr. Rajul Gajjar. Dr. Gajjar emphasised the ethical and responsible use of AI to preserve academic honesty, originality, and research credibility. Dr. Rajesh Thakker, Director-RDC, highlighted the need for strong ethical frameworks, as AI is set to significantly reshape teaching and research.

The expert session was followed by an insightful presentation by Dr. Chirag Thaker, Professor and Head, Computer Engineering Department, L.D. College of Engineering-Ahmedabad, on “AI Governance: Applying Regulatory Guidelines for Responsible AI Use,” emphasizing transparent, ethical, and accountable AI adoption in academia.

Subsequently, Dr. Vibha Patel, Professor and Head, Department of Information Technology, VGEC, Ahmedabad, delivered a session on “What is Responsible AI?”; highlighting the importance of aligning AI development and deployment with ethical and social responsibility principles.

Thereafter, Ms. Chaitali Moitra, Regional Director – South Asia from Turnitin shared an insightful presentation on “Ensuring the Integrity of Global Education,” elaborating on how technology can safeguard originality and authenticity in academic work while promoting innovation.

Participants engaged in interactive round table discussions on Rethinking Assessments, Balancing Innovation with Integrity, Faculty and Student Preparedness, and Proof of Learning, moderated by Turnitin experts. The discussions were efficiently coordinated by Mr. Chukwudi Ogoho.

The round table concluded with address from Mr. Gautam Raval, who shared the roadmap of Turnitin's innovations and upcoming projects, providing participants with valuable insights into the company's future vision for supporting academic integrity and AI-driven learning solutions.



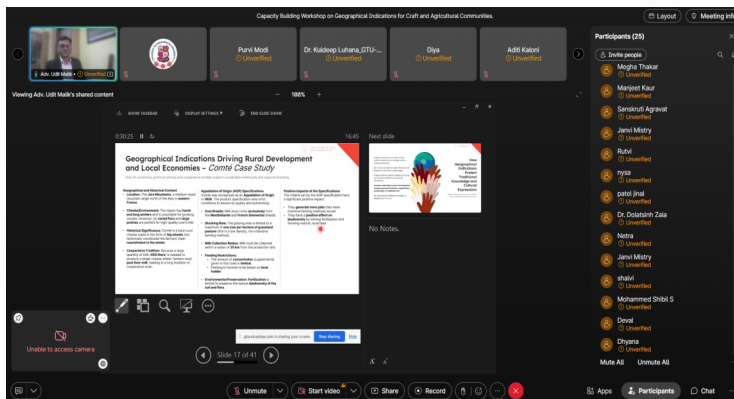
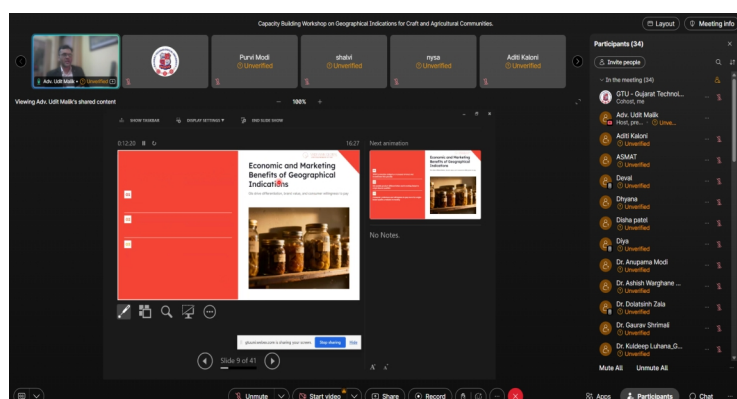
Session *on* Geographical Indications (GIs) *for* Craft *and* Agricultural Communities

On 24 November 2025, the Research & Development Cell, SPRIHA and GTU-IPFC jointly organized an online Capacity Building Workshop on Geographical Indications (GIs) for craft and agricultural communities. The workshop aimed to enhance awareness and practical understanding of Intellectual Property Rights (IPR) among students, faculty members, artisans, and agricultural stakeholders.

Dr. Kshipra Chauhan, Assistant Professor, Coordinator DPIIT-IPR Chair (SPRIHA) and In-charge IPFC-GTU, introduced the relevance of the IPR Awareness Lecture Series and formally welcomed the expert speaker- Mr. Udit Malik.

Mr. Malik is an experienced IP Counsel, Indian Patent Agent, Trademark Attorney and Advocate at the Delhi High Court, with over 12 years of professional experience across various IPR domains, including copyrights, plant varieties and trademark law. The session witnessed active participation from faculty members and students of GTU-PG Schools and Affiliated Colleges.

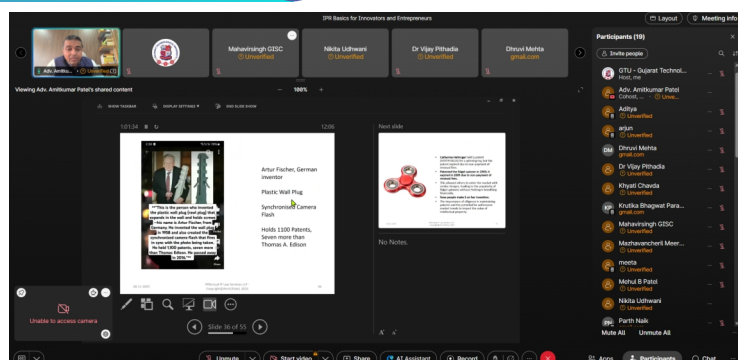
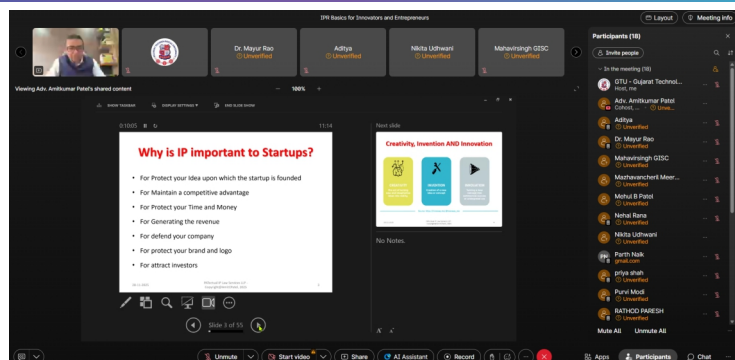
During the presentation, Mr. Udit Malik, explained about the fundamentals of Traditional Knowledge (TK) and its linkage with Intellectual Property Rights, emphasizing how collective cultural heritage form the basis for Geographical Indication (GI) protection. He also highlighted the role of GIs in empowering local communities by safeguarding region-specific crafts and agricultural products.



Session *on* IPR Basics *for* Innovators *and* Entrepreneurs

The R&D Cell, DPIIT-SPRIHA and GTU-IPFC organized an online session titled "IPR Basics for Innovators and Entrepreneurs" on 28th November 2025. Dr. Kshipra Chauhan, Assistant Professor, Coordinator DPIIT-IPR Chair (SPRIHA) and In-charge IPFC-GTU, introduced the relevance of the IPR awareness lecture series and welcomed the expert speaker, Mr. Amit Patel, Managing Partner at PATectual IP Law Services LLP, Advocate and Registered Indian Patent Agent. Mr. Patel delivered a structured and practice-oriented walkthrough of Intellectual Property fundamentals. The session was attended by several faculty members and students from GTU- PG Schools and Affiliated colleges.

Mr. Amit Patel delivered an insightful session on innovation and entrepreneurship, emphasizing how problem-solution thinking and Intellectual Property (IP) protection form the foundation of a business ready start-up. He explained the structure of IPRs, including patents, trademarks, copyrights, designs, GIs and trade secrets, and highlighted how multiple forms of IP protection can strengthen a single product. Through real-world examples, he demonstrated the importance of timely IP protection in building long-term value and competitive advantage.



Session on Research to Rights: IPFC Guidance for PhD Work

The R&D Cell, DPIIT- PRIHA and GTU-IPFC organized an online session titled "Research to Rights: IPFC Guidance for PhD Work" on 5th December 2025.

Dr. Rajesh Thakker, Director-RDC, welcomed the expert speaker and all participants. He introduced the speaker, Dr. Kshipra Chauhan, an accomplished academican, researcher, and intellectual property professional with over 20 years of experience in biotechnology, bioinformatics, and intellectual property. Dr. Kshipra Chauhan, Assistant Professor, Coordinator DPIIT-IPR Chair (SPRIHA) and In-charge IPFC-GTU actively guides researchers and start-up's in transforming research outcomes into impactful IP assets.

During the session, Dr. Kshipra Chauhan highlighted the key activities of GTU-IPFC, which promotes IP literacy, integrates IPR with academics, facilitates patent filings, and supports innovation and entrepreneurship in alignment with NEP 2020.

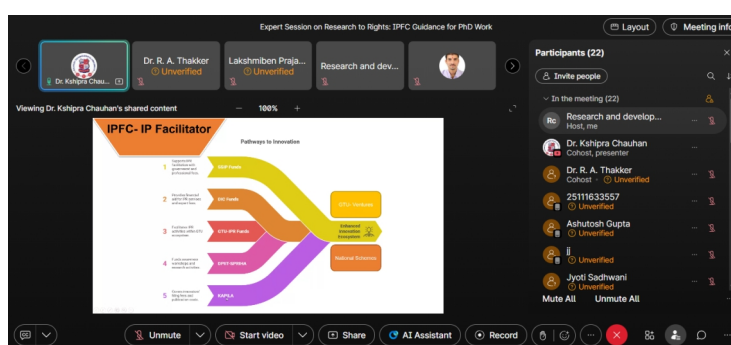
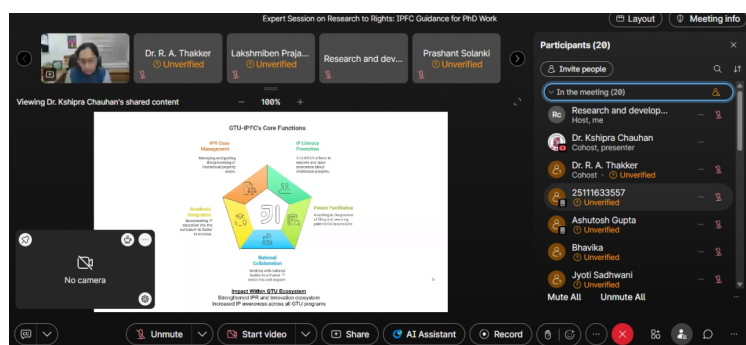
She emphasised GTU-IPFC role in managing IPR cases, coordinating filings, ensuring regulatory compliance, and collaborating with national bodies to strengthen institutional IP initiatives. She also elaborated on flagship programs hosted by GTU-IPFC, which guide students, faculty members, and start-ups in translating research into valuable IP assets.

Dr. Chauhan further presented GTU-IPFC's outreach and capacity-building initiatives that includes expert talks, workshops, Faculty Development Program, and 94 approved IPR filings, benefitting over 900 participants.

She introduced the "Pathways to Innovation" initiative, highlighting institutional support through various funding and facilitation schemes such as SSIP, DIC, GTU-IPR, DPIIT-SPRIHA, and KAPILA to promote filing of intellectual property.

She also shared information about upcoming programs, including internships, scholarships, an online IP valuation course, and international IPR conference.

Additionally, Dr. Chauhan explained various categories of IPRs, including patents, copyrights, trademarks, industrial designs, geographical indications (GIs), plant varieties, semiconductor integrated circuit layout designs (SICLD), trade secrets, and traditional knowledge, along with their respective scope of protection.



PhD Students' Orientation Programme – Batch (2025-26)

The PhD Students' Orientation Program for Batch 2025–26 was organized by GTU's Research & Development Cell on December 18, 2025, at A-2 Conference Hall to familiarize new scholars with the university ecosystem, Ph.D. rules and available resources. The program began with a welcome address by Dr. Rajesh Thakker and a presidential address by Prof. (Dr.) Rajul K. Gajjar emphasizing structured, high-quality, and socially relevant research.

Expert sessions were delivered by (1) Dr. Ankit Sheth, MD, PGDHMA, Medical Scientist 'E' & Head (Health Sciences Division), ICMR - National Institute of Occupational Health, (2) Mr. Hitesh Solanki, Scientist-C, INFLIBNET Centre, Gandhinagar and (3) Dr. Rohit G. Shah, Director of Research, Kamdhenu University, Gandhinagar.

Dr. Ankit Sheth's session focused on ICMR–NIOH's multidisciplinary research facilities and advanced tools while Mr. Hitesh Solanki highlighted INFLIBNET platforms such as Shodhganga, ShodhShuddhi, and IRINS for scholarly networking. Dr. Rohit G. Shah's session emphasised on Ph.D. journey – that requires discipline, quality research, and meaningful societal contribution.

Thereafter, Mr. Mahesh Solanki briefed scholars' about GTU's library resources followed by a session by Ms. Neha Gameti explaining about Ph.D. rules, regulations and other academic requirements. Concluding remarks were delivered by Dr. Rajesh Thakker- Director-RDC. This orientation session served as networking and interactive platform for new admitted research scholars.



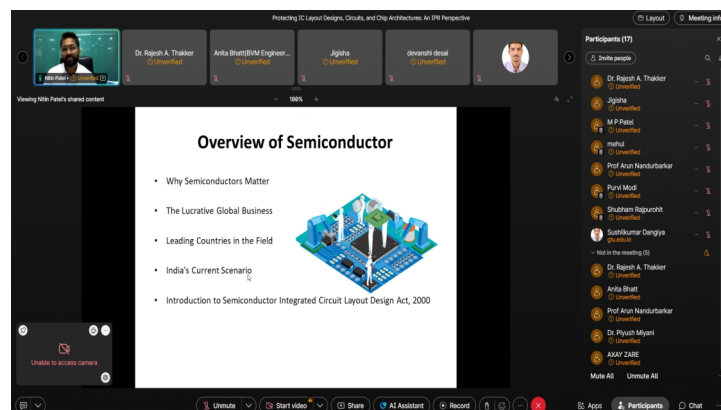
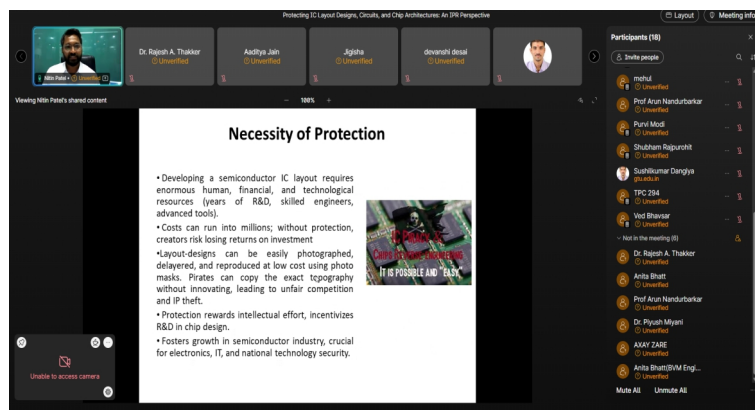
Session on Protecting IC Layout Designs, Circuits, and Chip Architectures: an IPR Perspective

The R&D Cell, DPIIT-SPRIHA and GTU–IPFC successfully organized an online expert session titled “Protecting IC Layout Designs, Circuits, and Chip Architectures: An IPR Perspective” on 30 December 2025.

The session began with a welcome address by Dr. Rajesh Thakker, Director–RDC, who introduced the expert speaker, Mr. Nitin Patel, Patent Agent and Advocate associated with the Patent Division of H. K. Acharya & Company. Mr. Patel specializes in patent matters related to Electronics and Communication Engineering, including patent drafting, prosecution, and representation before the Indian Patent Office.

During the session, Mr. Patel provided an overview of semiconductor fundamentals and offered valuable insights into the Semiconductor Integrated Circuits Layout-Design Act, 2000. He explained the importance of protecting IC layout designs, outlining key aspects such as the registration process, duration of protection, rights conferred, infringement provisions, and legal remedies. The presentation highlighted the growing relevance of IC layout design protection under Indian Intellectual Property laws in the context of advancing

semiconductor technologies. The session witnessed active participation from faculty members, students and researchers of GTU-PG Schools and affiliated colleges.





**GUJARAT
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