

Report on Expert Lecture: "The Sound of Innovation: Engineering Music and Protecting It with IP"

Organized by: IPR Cell, Research & Development Office, DTU

Coordinator: Dr. Rajeev Kumar

Date: 26th April 2025 (Saturday) on World IP Day

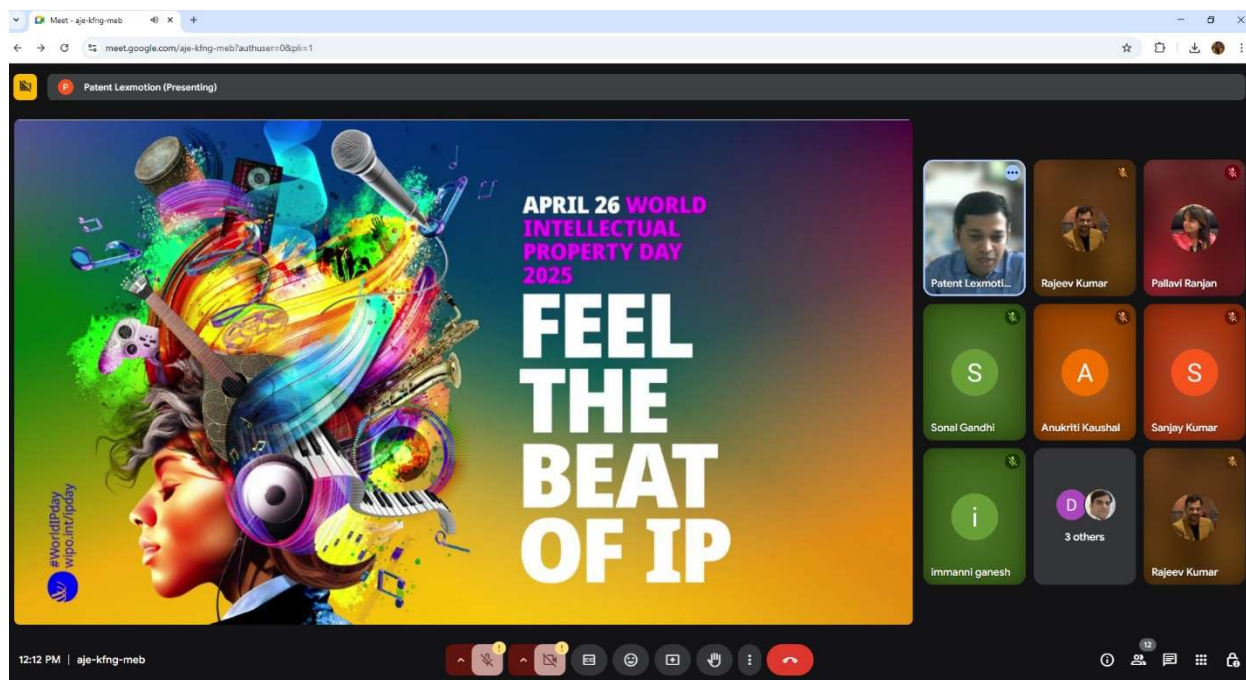
Time: 12:00 PM

Platform: Google Meet

Speaker: Mr. Sutanu Guchhait, Senior Patent Engineer, Lexmotion

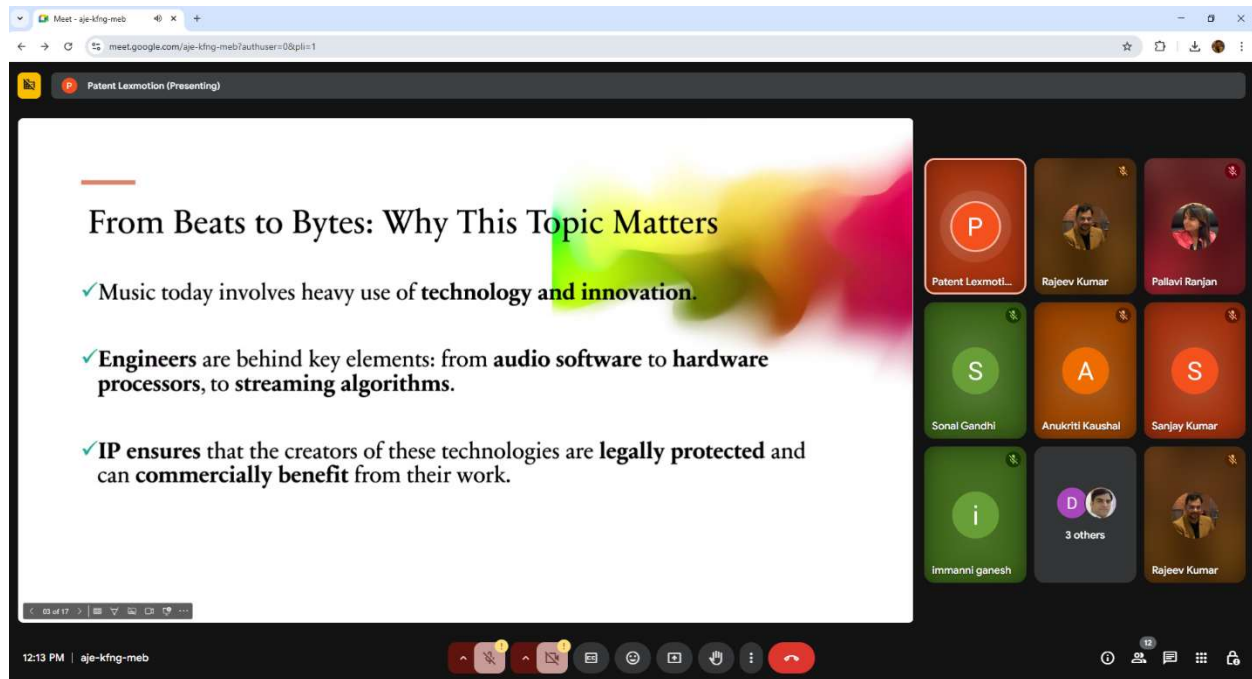
The IPR Cell, DTU, organized an expert lecture titled *"The Sound of Innovation: Engineering Music and Protecting It with IP"* to mark World IP Day. The session aimed to explore the convergence of music, engineering, and intellectual property rights, shedding light on the critical importance of safeguarding creative innovations in the evolving digital era.

The session began with a warm welcome extended to the speaker, Mr. Sutanu Guchhait, and all participants, including faculty members—Dr. Dev anand, Dr. Richa, Dr. Pallavi, Dr. Sanjay—and other distinguished members of the university, along with research scholars and students.



Mr. Sutanu Guchhait started the session by engaging the audience with the topic *"Feel the Beat of IP"*, emphasizing how music has evolved not just as an art form but as an innovation platform requiring legal protection. He elaborated on how the journey from *beats to bytes* has made it crucial

to understand intellectual property (IP) rights, particularly in the age of Artificial Intelligence and digital music creation.



The lecture highlighted key patents relevant to music innovation. Mr. Guchhait explained important examples such as:

- **US12118976B1** — A *Computer-implemented method and computer system for configuring a pretrained text-to-music AI model and related methods*. This patent demonstrated how artificial intelligence is being used to automate music composition and the importance of securing such inventions through IP.
- **US12205567B1** — An *Arpeggiator musical instrument*, showcasing innovation in musical instruments and how specific technological improvements in sound generation and modulation are protected.

A significant part of the session focused on a **case study of Auto-Tune** developed by Antares Technologies. Mr. Guchhait explained how Auto-Tune revolutionized the music industry and became a landmark innovation, not only musically but also from the perspective of intellectual property rights and patent protection. He discussed the strategic decisions Antares Technologies made in securing their innovation, ensuring its widespread recognition and commercial success.

Meet - aje-kfng-meb

meet.google.com/aje-kfng-meb?authuser=0&pli=1

Patent Lexmotion (Presenting)

What is IP in Music Tech?

Types of IP:

- **Patents:** Protect inventions — audio effects algorithms, hardware tools, processing techniques.
- **Copyrights:** Protect creative works — software code, sound designs, visual interfaces.
- **Trademarks:** Protect brands — names/logos of music software or companies, Sound.
- **Trade Secrets:** Internal methods, mastering chains, sound recipes (like Coca-Cola's formula).

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Throughout the session, Mr. Guchhait stressed the growing relevance of IP in creative fields and how budding engineers, technologists, and artists must stay informed about protecting their innovations.

The lecture concluded with an interactive Q&A session where faculty members, research scholars, and students engaged actively, seeking clarifications and sharing their thoughts on the integration of technology, music, and IP rights.

On behalf of the IPR Cell, DTU, heartfelt thanks were extended to Mr. Sutanu Guchhait for his insightful session by Dr. Rajeev Kumar (Coordinator). Appreciation was also expressed to the participating faculty members, scholars, and students for their enthusiastic involvement.

The session provided valuable insights and served as an excellent learning opportunity, encouraging students and researchers to view innovation through the lens of intellectual property.