Report on STELMAR 2025

Event Report: STELMAR 2025

Hosted by: BML Munjal University

Date: 22nd April 2025

Venue: BML Munjal University Campus, Gurugram

Introduction

On April 22, 2025, BML Munjal University (BMU) successfully hosted the inaugural edition of STELMAR 2025, a first-of-its-kind, student-driven interdisciplinary research conference aimed at fostering sustainable innovation across the domains of engineering, law, management, and liberal arts.

Bringing together over 190 participants from 40+ institutions across 15+ states, including working professionals, STELMAR 2025 showcased BMU's commitment to future-focused, impact-led research and academic collaboration.

Objectives of the Conference

STELMAR 2025 was conceptualised and organised to:

● Create a vibrant platform for interdisciplinary research exchange.

● Promote student-led inquiry into real-world issues and sustainable innovation.

● Foster academia-industry dialogue and mentorship.

● Strengthen the research ecosystem at BMU through inclusivity and collaboration.

Participation and Jury

The conference received an enthusiastic response, with:

● 190+ registrations from across the country

● 85+ abstracts shortlisted after a rigorous multi-stage review process

● 35+ research papers presented during the conference sessions

● 20+ distinguished jury members representing 8+ reputed institutions, who provided expert insights and mentorship to student researchers

Keynote Addresses and Special Remarks

The conference was enriched by two insightful keynote sessions:

● **Dr. Amod Jai Ganesh Anandkumar, Director, HARMAN Automotive, highlighted the intersection of technology and sustainability in the automotive industry.**

● **Dr. Sunil Kumar Vuppala, Director (R&D), Ericsson, offered a compelling vision for integrating AI and machine learning into real-world systems for societal benefit.**

Additionally, welcome addresses by Dr. Abhimanyu Singh Rana, Director, R&D Cell, and Prof. Shyam Menon, Vice-Chancellor, BMU, underscored the university's vision to empower student researchers and foster a culture of innovation and curiosity.

Recognition of Student Researchers

A central highlight of STELMAR 2025 was the diverse and high-quality research presented by student scholars, reflecting creativity, rigour, and a deep commitment to societal relevance. Notable presentations included:

◇ **Shradha Aggarwal – A novel framework using Armstrong numbers for encryption of multimedia data**

◇ **Ritu – Investigation of PDMS-ZnO nanocomposites for nano-generator applications**

◇ **Prakhar Srivastava & Dakshi Arora – Jotto Problem: A New Perspective**

◇ **Anushka Sharma – Harvesting Energy the Green Way: Piezoelectric Nanogenerator derived from green-synthesised ZnO nanoparticles**

◇ **Aaditya Vikram Agrawal – AI in Legal Operations: Driving Simplification and Reducing Institutional Overhead**

◇ **Atharva Dubey – Gender Sensitisation in Law: Addressing an Oversight of Male-Centric Legal Structures**

◇ **Yash Gupta – USTART: Redefining India's Ride-Hailing Industry with Transparency and Fairness**

◇ **Rafa Hasan – A Case Study of the Menendez Brothers: Childhood Trauma, Violence, and Implications for Sustainable Social Systems**

◇ **Sujal Sharma – गृहearni: A Digital Revolution to Transform Housewives into Economic Contributors**

◇ **Mahi Vashisth – Before Green Was a Trend: India's Timeless Sustainability**

Outcomes and Impact

STELMAR 2025 delivered on its promise to be an engaging, future-oriented academic gathering. Key outcomes included:

● Promotion of interdisciplinary thinking and sustainability among youth

● Strengthened academia-industry relationships through dialogue and mentorship

● Enhanced visibility of BMU's research ecosystem

● Formation of a community of young researchers committed to societal transformation

The success of STELMAR 2025 not only set a high benchmark for student-led conferences at BMU but also reaffirmed the university's role as a catalyst for impactful, real-world research.

Conclusion

STELMAR 2025 stands as a powerful testament to the vision, capability, and leadership embedded within BML Munjal University's student and academic community. From ideation to execution, the student-driven nature of the conference highlighted the university's deep-rooted commitment to nurturing independent thinking, interdisciplinary collaboration, and research that matters. By bringing together scholars, professionals, and industry experts from across the country, the event created a vibrant ecosystem for dialogue, mentorship, and innovation. As BMU looks ahead, STELMAR is poised to become an annual cornerstone in its academic calendar—fueling collaborative research, empowering the next generation of changemakers, and contributing meaningfully to India's journey towards a more inclusive, innovative, and sustainable future.