

#### **17.2.4 Does your university, through international collaboration and research, review comparative approaches and develop international best practices on tackling the SDGs?**

Manav Rachna University (MRU) plays an active role in advancing SDG 17.2.4 by fostering international collaboration and building global best practices to address sustainable development goals. MRU's initiatives include regular guest lectures from international experts, such as Prof. Sheryl Williams, who discuss global perspectives on environmental law, human rights, and sustainability. Sessions like these provide students with comparative insights and deepen their understanding of SDG issues from an international lens.

Additionally, MRU's international internships and immersion programs, including trips to Singapore and Dubai, offer students practical, culturally immersive experiences. These programs enhance students' cross-cultural skills and understanding of global sustainability practices. MRU also collaborates on international research projects, such as with Pohang Accelerator Laboratory in South Korea, providing hands-on training in advanced technologies relevant to sustainable development. Through these efforts, MRU aligns its educational framework with SDG 17.2.4, strengthening local and global capacities for achieving sustainable development goals

#### **Activities-**

##### **1. Guest Lectures By International Academic Partners/International Institutes**

##### **Interactive Session with Prof. Sheryl Williams from Loughborough University, UK**

As part of the Quality Month Celebration, MRU hosted an insightful interactive session featuring Prof. Sheryl Williams from Loughborough University, UK. The session provided students with valuable insights into the essential creative skills required for the future workforce while also exploring key academic opportunities at Loughborough University.

##### **Session Overview:**

Prof. Sheryl Williams delved into various aspects of engineering career pathways, highlighting opportunities in robotics, artificial intelligence (AI), sustainability, and human-machine collaboration. She shared valuable guidance on preparing for global engineering programs and postgraduate studies in engineering and technology at Loughborough University.

A key focus of the session was an introduction to the School of Mechanical, Electrical, and Manufacturing Engineering at Loughborough University, renowned for its cutting-edge research and strong industry collaborations. Prof. Williams elaborated on the entry requirements and benefits of pursuing advanced degrees in engineering, design, and technology at LU.

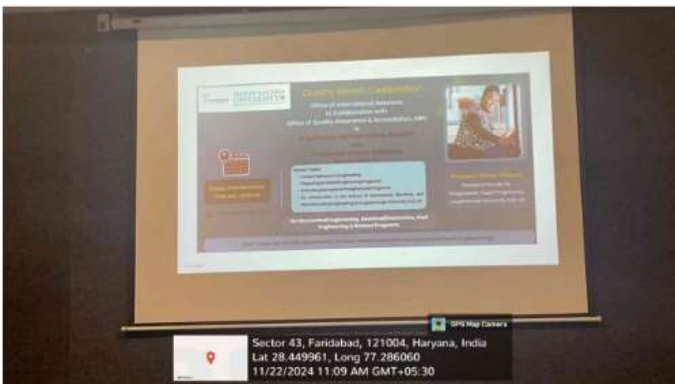
Additionally, the session emphasized the Industry 5.0 concept, which envisions a human-centric future of AI and robotics collaboration to create sustainable and personalized solutions. The discussion illustrated how Loughborough University integrates engineering, design, and sustainability into its programs, ensuring that students are well-equipped to thrive in emerging fields.

**Key Highlights of the Session:**

- **Career Pathways in Engineering:** An in-depth exploration of career opportunities in robotics, AI, sustainability, and human-machine collaboration.
- **Preparing for Global Engineering Programs:** Strategies for students aspiring to pursue international engineering careers.
- **Entry Requirements for Postgraduate Programs:** Essential guidance on applying for advanced degrees in engineering, design, and technology at Loughborough University.
- **School of Mechanical, Electrical, and Manufacturing Engineering at LU:** Introduction to one of the UK's leading engineering schools with a strong focus on research and industry partnerships.
- **Industry 5.0:** Insights into the future of AI and robotics, emphasizing human-centric, sustainable, and innovative solutions.

**Conclusion:**

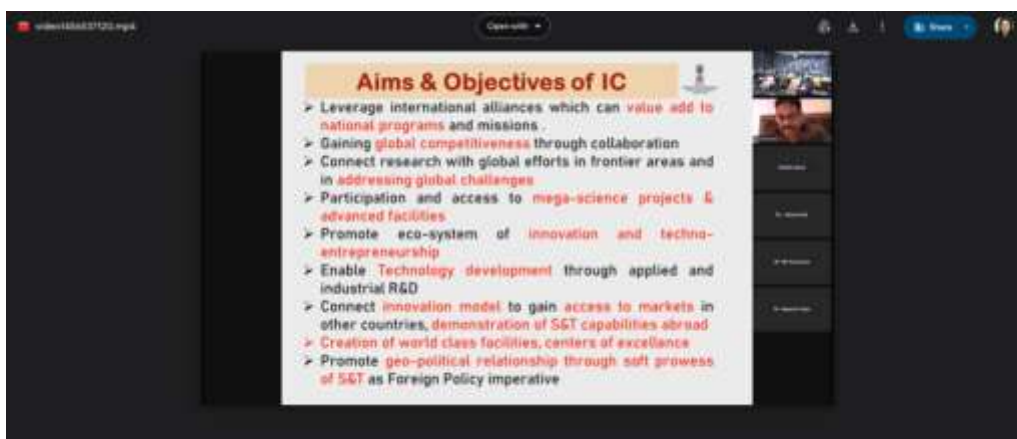
The interactive session with Prof. Sheryl Williams was an enlightening experience for students and faculty, offering a comprehensive understanding of global career pathways in engineering. The event successfully reinforced the significance of creative skills, innovation, and sustainability in shaping the workforce of the future. The session also served as a bridge between MRU and Loughborough University, opening doors for future academic and research collaborations.



## 2. Online Session on Enhancing Quality Education: The Role of International Grants and Scholarships in Empowering Global Learners

**Date: 28 November 2024**

As part of the Quality Month celebrations at Manav Rachna University, an online expert talk titled “Enhancing Quality Education: The Role of International Grants and Scholarships in Empowering Global Learners” was delivered by Dr. Sanjeev Kumar Varshney, a distinguished scientist and former Head of International Scientific Cooperation at the Ministry/Department of Science & Technology (DST), India. Dr. Varshney shared his extensive expertise, emphasizing the significance of collaborative research and the opportunities offered by international academic fellowships. He highlighted the pivotal role of research collaborations in enhancing quality education, fostering interdisciplinary knowledge exchange, and increasing global visibility through joint publications. Various collaboration models were discussed, including institutional, interdisciplinary, and industry-academia partnerships, which drive innovation and address global challenges. Dr. Varshney also provided insights into prestigious international fellowships such as the Fulbright Scholarship (USA), Marie Skłodowska-Curie Actions (EU), Commonwealth Scholarships (UK), DAAD Scholarships (Germany), MEXT Fellowships (Japan), and Swiss Government Excellence Scholarships, explaining their benefits, eligibility criteria, and application processes. The session concluded with practical advice on crafting successful fellowship applications, equipping students, researchers, and academicians to access global opportunities for academic and professional growth. This talk, aligned with the spirit of Quality Month, reinforced MRU’s dedication to excellence in education, research, and global collaboration.





## **KPI Category Indicator**

**2023–24 Outcome**

**Global Engagement**

**No. of MoUs signed with international institutions: 12 MoUs (Asia, Europe, USA)**

**Industry Linkages**

**No. of industry-academia partnerships: 15 collaborations**

**Student Mobility**

**No. of students in exchange programs: 40 students**

**Research Output**

**Joint publications with partner institutions: 10+ papers**

**Community Impact**

**NGO/CSR partnerships initiated: 8 partnerships**

**Partnerships**

**ICT Academy: For advanced IT skill training programs.**

**Honeywell & other corporate partners: For youth empowerment and employability training.**

**Institute of Peace Research & Action (IPRA): For collaborative outreach and book donation initiatives.**

**Global Universities (USA, Europe, Asia): For exchange programs, joint research, and cultural immersion.**