

# NEWSLETTER

Swami Vivekananda University, Barrackpore

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## DEPARTMENT OF MECHANICAL ENGINEERING

### “NO TECH WITHOUT MECH”

The department of Mechanical Engineering, Swami Vivekananda University offers state of the art education, well equipped classroom, high end laboratories and cutting-edge research facilities for the students to create, enable, apply and spread knowledge in the advanced field of Mechanical Engineering. In addition to curriculum courses, the department contributes to value added courses, guest lecture by industry experts, industrial visits and various add on activities for the students to make them future ready technocrats of academia & industry. We are committed to work in emerging areas and to develop sustainable technologies & innovations pertaining to mechanical engineering and its allied sectors.

## WHAT'S NEW

- Organized an International Conference on Sustainable Research and Development (ICSRD) 2024.
- New faculty Associated
- Centre of Excellence Laboratory visit by renowned external experts.

## EDITORIAL

In pursuit of Swami Vivekananda University's vision of excellence, innovation, and entrepreneurship, the Department of Mechanical Engineering is committed to contribute the best possible and feels immense pleasure to share this newsletter with all of you. The department has a vision to emerge as an excellent center of skill-based learning in Mechanical Engineering to develop professionals who are technically competent, ethical and capable of addressing the changing societal needs with credibility. The department has focused to continued enhancement of its facility to cater the overall anticipation of industry and academia. We are thrilled to announce several exciting developments at our department. Department of Mechanical Engineering of Swami Vivekananda University has made significant strides in academic and industrial collaboration. The International Conference on Sustainable Research and Development (ICSRD) 2024 was a landmark event, showcasing pioneering sustainability research and fostering collaboration among global experts. Organized with new faculty associates, the conference highlighted key developments in environmental innovation and sustainable practices. Additionally, the Center of Excellence Laboratory welcomed renowned external experts for a special visit, promoting the exchange of cutting-edge insights. This event not only strengthened our institution's commitment to sustainable development but also expanded our academic community with valuable faculty additions and expert partnerships. These initiatives highlight our commitment to excellence in education and industry engagement. For all these achievements, I express my sincere thanks to our students and faculty members for their invaluable contributions and countless efforts. We conclude with a commitment to pursuing excellence and look forward to sharing an enhanced version in the next issue.

HOD (Mechanical Engineering)

### **Organized a 1<sup>st</sup> International Conference on Sustainable Research and Development (ICSRD 2024):**

SVU organized an International Conference on Sustainable Research and Development from 25<sup>th</sup> September to 26<sup>th</sup> September, 2024. Faculties and students of the department of mechanical engineering are active participation in this programme. Scholars, researchers and ongoing students present their latest findings, advancements, and innovations in engineering in sustainable research and development. The Conference on Sustainable Research and Development is a global forum that brings together academics, industry experts, and policymakers to discuss advances in sustainable development practices. This conference provides a platform for sharing research findings, innovative solutions, and strategies to address pressing sustainability challenges, including climate change, resource management, and economic growth.

Key themes at the conference include environmental sustainability, renewable energy, green technology, sustainable agriculture, and circular economy models. Participants engage in workshops, panel discussions, and paper presentations that emphasize interdisciplinary collaboration and the integration of sustainability principles into various sectors.

The conference fosters networking and collaboration among participants from diverse backgrounds, encouraging the exchange of knowledge and ideas that can lead to practical, impactful solutions. By focusing on actionable research and real-world applications, the conference promotes the alignment of sustainable development goals with both local and global policy initiatives. Attendees gain insights into emerging trends and best practices that can support a sustainable future, making the conference a valuable event for stakeholders committed to advancing sustainable development on a global scale.



**New faculty Associated with the department:**

One faculty members have been joined in the month of October 2024

1. Mr. Pradip Das.

### Centre of Excellence Laboratory visit by renowned external experts.

Renowned external experts Dr. Santanu Das, Professor, Kalyani Govt. Engineering College, Kalyani, West Bengal. recently, visited our two Centre of Excellence Laboratories, namely Centre for Advanced Manufacturing and Centre for Material Testing Characterization, enriching our research endeavors with invaluable insights. Dr. Das visit marked a pivotal moment in our pursuit of excellence, as his expertise in the field brought forth new perspectives and recommendations. During his insightful tour, Dr. Das meticulously examined our state-of-the-art facilities, cutting-edge equipment, and ongoing projects. His keen observations and constructive feedback will undoubtedly guide us towards refining our methodologies and advancing our scientific endeavors. We are immensely grateful for Dr. Das time and expertise, and we look forward to continued collaboration and growth under his mentorship.

