

NEWSLETTER

Swami Vivekananda University, Barrackpore



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

- Book published
- Journal Published
- Inaugurates Centre of Excellence with Bosch Rexroth.
- Celebration of Vishwakarma Puja

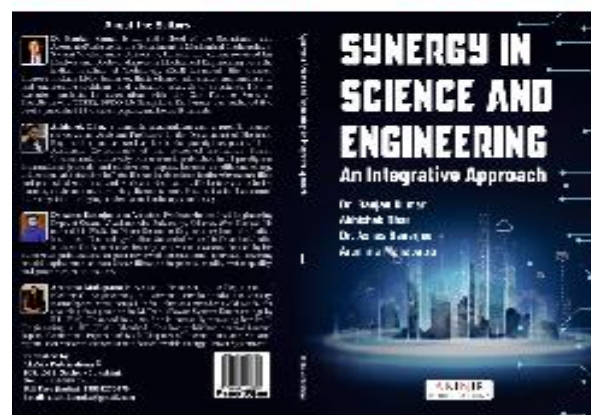
EDITORIAL

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. Two edited books, *Advances in Computational Solutions* and *Synergy in Science and Engineering*, were published by Integrated Publications, New Delhi, and Akinik Publication, Delhi, respectively. Edited by Dr. Ranjan Kumar, Mr. Abhishek Dhar, Dr. Ashes Banerjee, and Ms. Arunima Mahapatra, the books explore interdisciplinary problem-solving techniques. Additionally, three research journals were published, showcasing innovative studies in heat transfer and bio-glass ceramics. On 30th August 2024, the Bosch Rexroth Centre of Excellence was inaugurated, while Vishwakarma Puja was celebrated on 17th September, 2024, promoting technical excellence and unity. 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)

Book published:

Two edited Books titled '**Advances in Computational Solutions**' and '**Synergy in Science and Engineering**' have been published by well-known publisher Integrated Publications, New Delhi and Akinik Publication, Delhi respectively and editors of those books are Dr. Ranjan Kumar, Associate Professor & HOD, Mechanical Engineering Department, Mr. Abhishek Dhar, Assistant Professor & Faculty Coordinator, SVU, Dr. Ashes Banerjee, Assistant Professor, Civil Engineering Department and Ms. Arunima Mahapatra, Assistant Professor, Electrical Engineering Department. Those book explores cutting-edge interdisciplinary methods, enhancing problem-solving and creating novel solutions



Journal Published

Three Journals have been published in different publishers like *Advances in Computational Heat and Mass Transfer* & *Journal of Mines, Metals and Fuels*. Article entitled "Heat Transfer Augmentation in a Mini-channel Using Magnetic Nanofluid and Magnetic Vortex", "TEM Analysis and Insights into the Physico-mechanical Characteristics of CeLa-Substituted Bio-Glass Ceramics" and "Examining the Performance Traits of a Rear-Supported V-Cone Flowmeter"

Swami Vivekananda University Inaugurates Bosch Rexroth Centre of Excellence:

Swami Vivekananda University proudly inaugurated the Bosch Rexroth Centre of Excellence on 30th August 2024. The ceremony witnessed the esteemed presence of Hon'ble Mr. Milind Tavre, Deputy Manager of Bosch Rexroth, and Hon'ble Prof. Subrata Kumar Dey, Vice-Chancellor of Swami Vivekananda University, along with other officials, staff, and faculty members of the university.

The new Centre of Excellence is designed to provide advanced training and research opportunities in automation and industrial technology, in collaboration with Bosch Rexroth, a global leader in the sector. It aims to equip students with hands-on experience and expertise in modern automation tools, preparing them for industry 4.0 and beyond.

During the event, Mr. Tavre highlighted the importance of industry-academia collaboration in fostering innovation and skill development. Prof. Subrata Kumar Dey expressed his gratitude towards Bosch Rexroth for supporting the university's mission to offer cutting-edge education and enhance employability prospects for students.



Celebration of Vishwakarma Puja

On September 17, 2024, Swami Vivekananda University celebrated Vishwakarma Puja with a series of engaging events. The event, dedicated to Lord Vishwakarma, the divine architect, saw active participation from students, faculty, and staff. A traditional puja ceremony was conducted on campus, followed by offerings and prayers for success and prosperity in technical endeavors.

Vice-Chancellor Prof. Subrata Kumar Dey emphasized the significance of Vishwakarma Puja in honoring craftsmanship and innovation, which aligns with the university's focus on technical excellence. The celebration fostered unity and spiritual harmony across the campus community.

