

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
- Organized an International Conference on Engineering Design and Computing.
- Viksit Bharat Sampark awareness programme.
- New faculty Associated.
- Centre of Excellence Laboratory visit by renowned external experts.

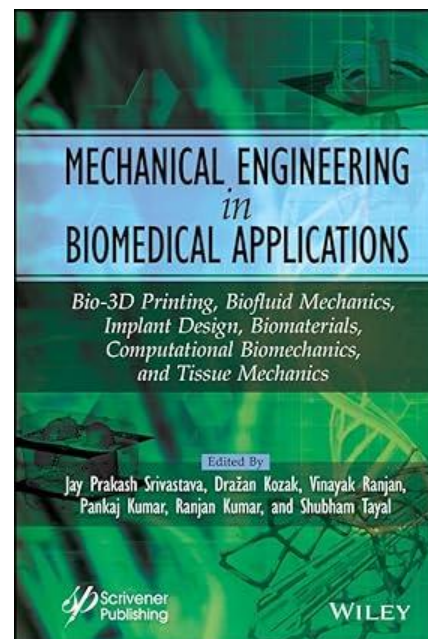
EDITORIAL

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. The recent strides made by mechanical engineering department underscore a commitment to excellence in research, innovation, and education. Department is abuzz with excitement as it gears up to host an international conference, showcasing cutting-edge research and fostering global collaborations. In tandem, the university's commitment to holistic development is evident through its vibrant sports culture, nurturing both mind and body. Recently, students had the privilege of participating in the 'Viksit Bharat Sampark' program organized by Swami Vivekananda University. Some eminent people have visited our Center of Excellence laboratory. This confluence of academia, athleticism, and innovation epitomizes SVU's ethos of excellence, shaping future leaders in the field. 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:

One Book titled 'Mechanical Engineering in Biomedical Application: Bio-3D Printing, Biofluid Mechanics, Implant Design, Biomaterials, Computational Biomechanics, Tissue Mechanics' has been published by well-known publisher WILEY and author of this book is Dr. Ranjan Kumar, Associate Professor & HOD, Mechanical Engineering Department. The Book is available in Amazon. Link: <https://amzn.eu/d/dknN84Q>



Organized a 2nd International Conference on Engineering Design and Computing (ICEDC):

SVU organized an International Conference on Engineering Design and Computing from 22nd February to 24th February, 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 design and computing. These presentations often cover a wide range of topics within the field, including but not limited to computational methods, design methodologies, optimization techniques, and case studies. Conferences provide opportunities for networking among participants, including academics, industry professionals, and students. These interactions can lead to collaborations, exchange of ideas, and potential partnerships for future research or projects. Many conferences offer opportunities for participants to publish their research papers in conference proceedings or affiliated journals. This helps disseminate the latest research findings to a wider audience within the academic and industrial communities.

Renowned experts in the field delivered keynote speeches addressing current challenges, trends, and future directions in engineering design and computing. These speeches provide valuable insights and perspectives to conference attendees. Panel discussions on relevant topics allow experts to exchange views, debate issues, and explore potential solutions to common challenges in the field.

Overall, the outcomes of an International Conference on Engineering Design and Computing contribute to advancing knowledge, fostering collaborations, and driving innovation in the field.



Viksit Bharat Sampark awareness programme by NSS team

The NSS team organized an awareness programme "Viksit Bharat Sampark" on 11th March 2024. Faculties and students of the department of mechanical engineering are active participation in this programme. Through community engagement and outreach events, the program educates on key issues like health, hygiene, education, and environmental sustainability. Utilizing various mediums such as drama, cultural events, workshops, seminars, and social media campaigns, the NSS team aims to empower citizens with knowledge and skills for societal development. By fostering collaboration between communities and institutions, "Viksit Bharat Sampark" strives to create a more informed and proactive society, driving positive change across India.



New faculty Associated with the department:

Two faculty members have been joined in the month of March 2024,

1. Dr. Suresh Gain, Assistant Professor.
2. Dr. Arnab Das, Assistant Professor.

Centre of Excellence Laboratory visit by renowned external experts.

Renowned external experts Dr. Gourab Sil, Assistant Professor, IIT Indore, and Prof. Krishna Vedula, Dean Emeritus, University of Massachusetts Lowell, 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. Sil's 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. Sil 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. Sil and Prof. Vedula's time and expertise, and we look forward to continued collaboration and growth under his mentorship.

