



## 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” Tech Connect: Bosch Rexroth Workshop for Enhances Faculty Expertise in Industrial Automation”
- Organized a workshop on “Role of Insurance for the Growth of Entrepreneurship” – (An IIC Initiative Under Ministry of Education)
- Edited Book Published.

## 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 continues to shine with recent accomplishments. This month, the Mechanical Engineering Department at Swami Vivekananda University achieved several milestones. We successfully conducted the Bosch Rexroth Faculty Training Workshop, enhancing technical expertise through hands-on industrial automation sessions. Our IIC cell organized an enlightening seminar on insurance's role in entrepreneurial growth, featuring experts from National Insurance and LIC. The department proudly released a book "Advanced Methods for Multidisciplinary Research", edited by our HOD Dr. Ranjan Kumar, marking a significant contribution to academic literature. These accomplishments reflect our ongoing commitment to excellence in education, research, and industry collaboration.

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)

### **Tech Connect: Bosch Rexroth Workshop for Enhances Faculty Expertise in Industrial Automation**

The Department of Mechanical Engineering at Swami Vivekananda University (SVU) successfully hosted a two-day faculty training workshop on 26<sup>th</sup> & 27<sup>th</sup> February, 2025, in collaboration with Bosch Rexroth India. The event was conducted by Mr. Abhinav Jain, Assistant Manager, Bosch Rexroth, Ahmedabad, and aimed at bridging the gap between academia and industry. Focused on hydraulics, automation, and Industry 4.0 technologies, the workshop provided faculty members with hands-on training using industrial-grade components. Participants engaged in practical demonstrations, case studies, and interactive discussions on the latest advancements in fluid power systems, Mr. Jain emphasized the real-world applications of these technologies, enabling educators to integrate industry-relevant knowledge into their curriculum.

The session also highlighted emerging trends in mechanical engineering, such as IoT-enabled automation and energy-efficient hydraulic systems. Faculty members appreciated the interactive approach, which enhanced their technical proficiency and teaching methodologies. The workshop concludes with a certificate distribution ceremony, recognizing the participants' engagement. This initiative strengthens SVU's industry-academia collaboration, ensuring that students receive cutting-

# Bosch Rexroth Faculty training Workshop (02 days)





## Organized a Workshop on Role of Insurance for the Growth of Entrepreneurship –( An IIC Initiative Under Ministry of Education)

The Institution's Innovation Council (IIC), a flagship program of the Ministry of Education, in association with the School of Engineering, organized an insightful seminar on the crucial theme "Role of Insurance for the Growth of Entrepreneurship" on 22<sup>nd</sup> March, 2024, at SVU (MSB, Hall 1).

### **Seminar Highlights:**

- Explored insurance as a critical safety net for emerging entrepreneurs
- Demystified insurance products tailored for startups and SMEs
- Highlighted government initiatives supporting entrepreneurial ventures
- Provided practical risk management strategies for new businesses

### **Expert Insights from Speakers:**

1. Mr. Abhishek Banerjee (Manager, National Insurance Co. Ltd)

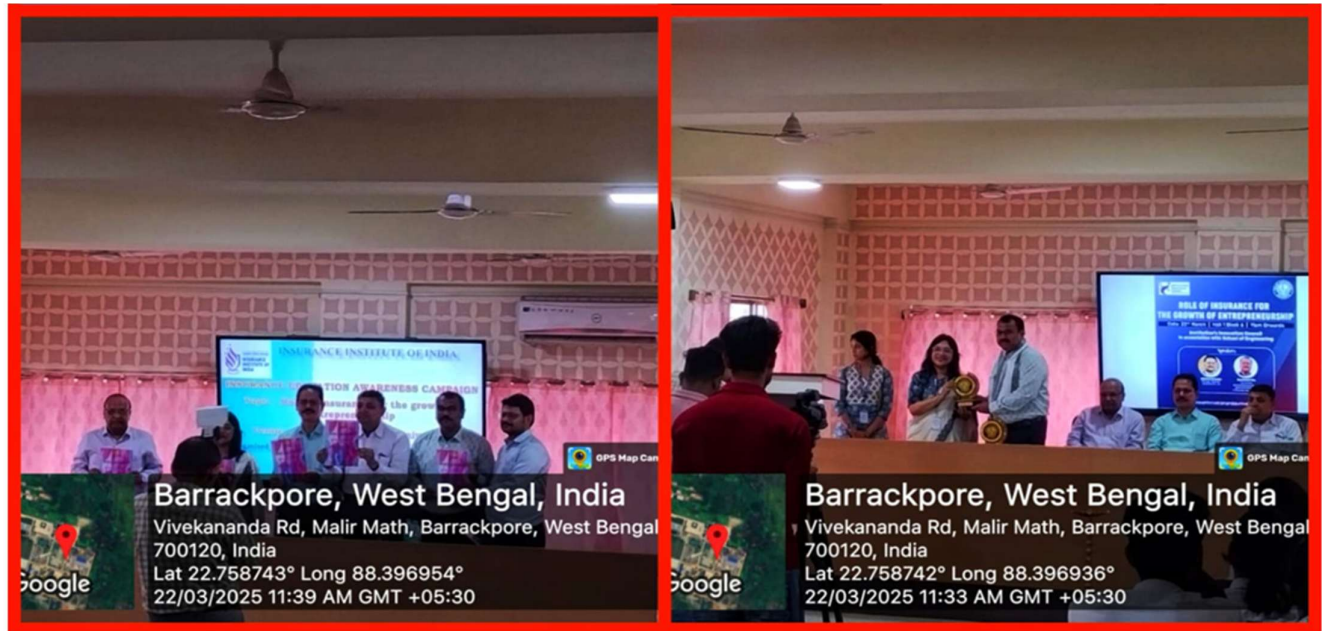
- Decoded business insurance policies and their benefits
- Explained claim settlement procedures with real-world examples
- Showcased PMFME scheme benefits for food processing startups

2. Mr. Angshuman Roy, (Development Officer & SBA, LIC of India, Kolkata)

- Positioned life insurance as career safety for young entrepreneurs
- Presented retirement solutions for long-term financial security
- Demonstrated insurance-linked investment opportunities

The 2 hours 30 minutes session, attended by 100+ enthusiastic participants including students from Department of Mechanical Engineering, fostered vibrant discussions on balancing innovation with financial security. The Q&A session saw active participation, with students exploring insurance solutions for their tech-startup ideas and mechanical innovations.





### Research Book Released

The Mechanical Engineering Department proudly announces the publication of a edited book, entitled on "Advanced Methods for Multidisciplinary Research", Open Books Publisher, edited by HOD Dr. Ranjan Kumar with Dr. Ashes Banerjee. This essential reference work showcases innovative interdisciplinary approaches, reflecting our department's research leadership. A valuable resource for scholars and students advancing engineering knowledge.

