



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

- BOSCH Rexroth Internship Programme
- Publication of Edited Volume
- SAP Cleanliness Drive

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 Department of Mechanical Engineering at Swami Vivekananda University launched the BOSCH Rexroth Summer Internship on Industry-Oriented Basic Hydraulics and System Applications. Conducted in collaboration with BOSCH Rexroth, this four-week programme welcomed students from various colleges and provided hands-on exposure to industrial systems. The university also highlights the publication of several edited volumes by faculty, reflecting excellence in interdisciplinary research. Additionally, the SAP Cleanliness Drive promoted environmental responsibility, demonstrating the university's commitment to academic leadership, industry collaboration, and societal 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)

BOSCH Rexroth Internship Launched

The Department of Mechanical Engineering, Swami Vivekananda University, launched the BOSCH Rexroth Summer Internship on Industry-Oriented Basic Hydraulics and System Applications in June 2025, spanning a duration of four weeks. The program was conducted in collaboration with BOSCH Rexroth, a global leader in drive and control technologies.

The initiative aimed to equip students with practical knowledge in hydraulic systems and their industrial applications. Students from mechanical and allied disciplines participated enthusiastically, gaining hands-on experience through structured training sessions. Notably, students from various government polytechnics, west bengal also joined the programme, enriching the learning environment through interdisciplinary interaction and collaboration.

Training Sessions and Topics Covered:

1. Introduction to Basic Hydraulics: Overview of hydraulic principles and system components.
2. Hydraulic Circuit Design and Operation: Practical sessions on designing and operating hydraulic circuits.
3. Troubleshooting Techniques: Identifying and resolving common hydraulic system issues.
4. Hydraulic-Electronic Integration: Understanding the role of electronics in modern hydraulic systems.

Course Completion and Certificate Distribution:

Upon completion of the internship, participants received course completion certificates, officially endorsed by BOSCH Rexroth. The certification highlights the students' readiness for industry and their hands-on proficiency in hydraulic technology. The department extends its appreciation to all faculty members for their guidance and active involvement in mentoring the students throughout the programme.



BOSCH Rexroth Internship

A Bosch Company

SWAMI VIVEKANANDA UNIVERSITY INVITES

Summer Internship powered by BOSCH Rexroth
on
Industry-Oriented Basic Hydraulics and System Applications

Eligibility for the Internship:

Students pursuing ITI, Diploma, B.Tech and M.Tech in:
Mechanical, Automation, Mechatronics, Robotics,
Material Science, Production Engineering
and
For Industry Professionals

Key Benefits of the Program:

- Gain hands-on experience with hydraulic automation and real-world circuit design.
- Develop skills in system components, troubleshooting, and safety protocols of hydraulic automation.
- Learn industry-relevant practices through Bosch Rexroth-powered training.
- Understand hydraulics-electronics integration for modern automation.
- Industrial internship requirement as per B.Tech/Diploma curriculum.
- Earn a recognized internship certificate powered by Bosch Rexroth.

4 Weeks internship

Date
Batch 1: May 2 to May 29, 2025
Batch 2: May 3 to May 30, 2025
Batch 3: June 2 to June 29, 2025
Batch 4: June 3 to June 30, 2025

Limited seats only,
Maximum
20 participants
in one batch.

Choose Your Batch & Register Now

Contact:
Mr. Soumya Ghosh 8250429409
Dr. Arnab Das 9038010458
Dr. Ranjan Kumar 7903332141

Registration Fees
Rs. 1500/-



Scan for Register



Scan and Pay the Registration Fees

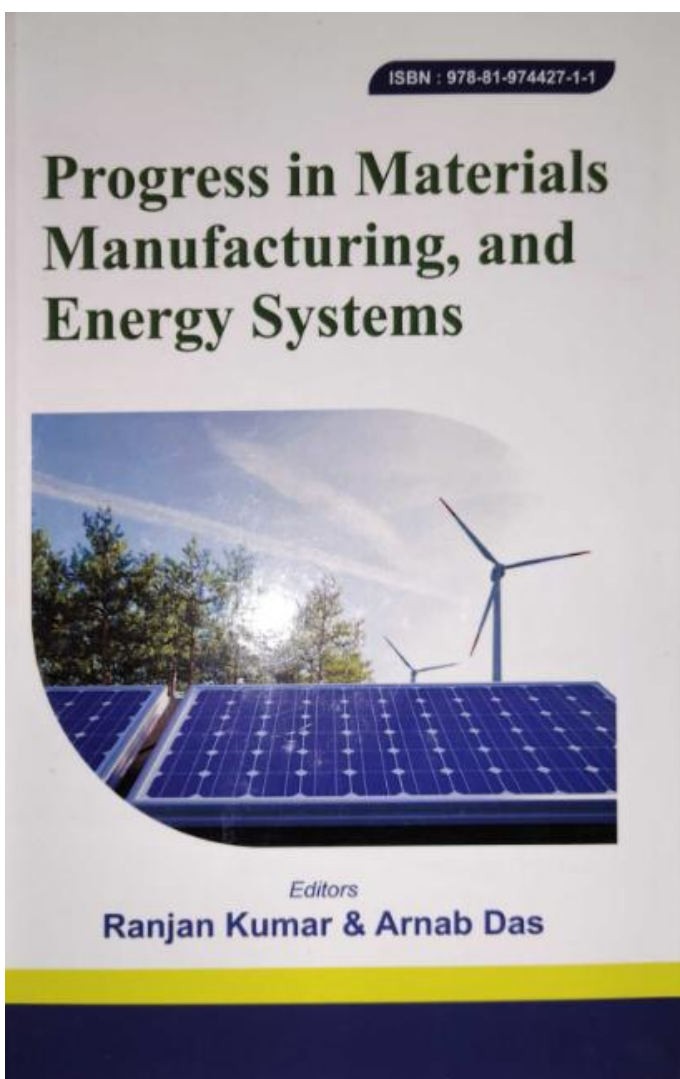


Publication of Edited Volume:

Dr. Ranjan Kumar and Dr. Arnab Das from the Department of Mechanical Engineering, Swami Vivekananda University (SVU), have co-edited a significant academic volume entitled "Progress in Materials Manufacturing, and Energy Systems" Published by INSPIRA, Jaipur, in May 2025, ISBN: 978-81-974427-1-1, DOI:10.62823/Inspira/2025/9788197442711

This book compile cutting-edge research and recent advancements in the fields of materials science, advanced manufacturing, energy systems, and mechanical engineering. These volumes include scholarly contributions from researchers and professionals across academia and industry, reflecting the editors' active engagement in promoting innovation and technical excellence.

These academic achievements further underscore SVU's commitment to fostering impactful research in the field of Mechanical Engineering.



SAP Cleanliness Drive Organized at SVU

Swami Vivekananda University's NSS Units successfully conducted a 2-day SAP Cleanliness Drive on 23rd and 24th June 2025. Sponsored by the Ministry of Youth Affairs & Sports, Government of India, the event aimed to promote cleanliness and social responsibility among students. Held at Block 6, Hall-1 from 11:00 AM onwards, the drive witnessed enthusiastic participation from students, faculty, and staff. The initiative aligned with national Swachh Bharat Abhiyan objectives and fostered a sense of civic duty. The program concluded on a positive note, encouraging continued commitment toward cleanliness and sustainable practices.

