NEWSLETTER

DECEMBER / 2025

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

- New Faculty Induction
- Research Publication Achievement
- Internship and Placement Update
- Observance of Veer Bal Diwas

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. During this month, the Department of Mechanical Engineering at Swami Vivekananda University achieved several significant academic and social milestones. The induction of twelve new faculty members further enhanced the department's teaching, learning, and research strength. Two notable research publications marked important academic achievements, reflecting scholarly excellence. The department also celebrated successful internship and placement outcomes of its students, showcasing strong industry engagement. Additionally, the department observed Veer Bal Diwas through meaningful activities, acknowledging the spirit of courage, sacrifice, and historical remembrance associated with the occasion. 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)

New Faculty Induction

The Department of Mechanical Engineering welcomes twelve new faculty members. Eight Assistant Professors have joined the department: Mr. Jishunarayan Eshore, Mr. Ayan Banerjee, Dr. Tapas Chakraborty, Mr. Subhankar Mondal, Mr. Shantanu Roy, Mr. Avishek Samanta, Dr. Vishal Kumar, and Dr. Rajiv Ranjan. Additionally, four Teaching Assistants—Mr. Mrinal Kumar Das, Mr. Adesh Khamrui, Ms. Tanushree Barman, and Ms. Ombica Ojha—have joined. The department extends a warm welcome and looks forward to their valuable contributions in teaching and research.

Research Publication Achievement

Faculty members of the Department of Mechanical Engineering, Swami Vivekananda University, have achieved notable research milestones through recent scholarly publications. Mr. Ayan Banerjee, Assistant Professor, has published a research article titled *"Machinability Analysis of Nitronic-50 Using Cryo-Processed WC–Co Inserts"* in the **Journal of Manufacturing Processes,** presenting significant findings in advanced machining and manufacturing research.

In addition, Mr. Md Ershad, Mr. Ranjan Kumar, and Mr. Priyam Mondal have published a research article titled *"Effect of La_2O_3 on the Physicomechanical Behavior of Calcium Fluoroaluminosilicate Glass"* in the journal **Emerging Materials Research**, contributing valuable insights to the field of advanced materials research. The depertment congratulates the authors on these commendable academic accomplishments and wishes them continued success in their research endeavors.

Journal of Manufacturing Processes

Volume 157, 17 January 2026, Pages 1157-1181

Machinability analysis of Nitronic-50 using cryo-processed WC-Co inserts

Ayan Banerjee [a], Kalipada Maity [a]

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https://doi.org/10.1016/j.jmapro.2025.12.049

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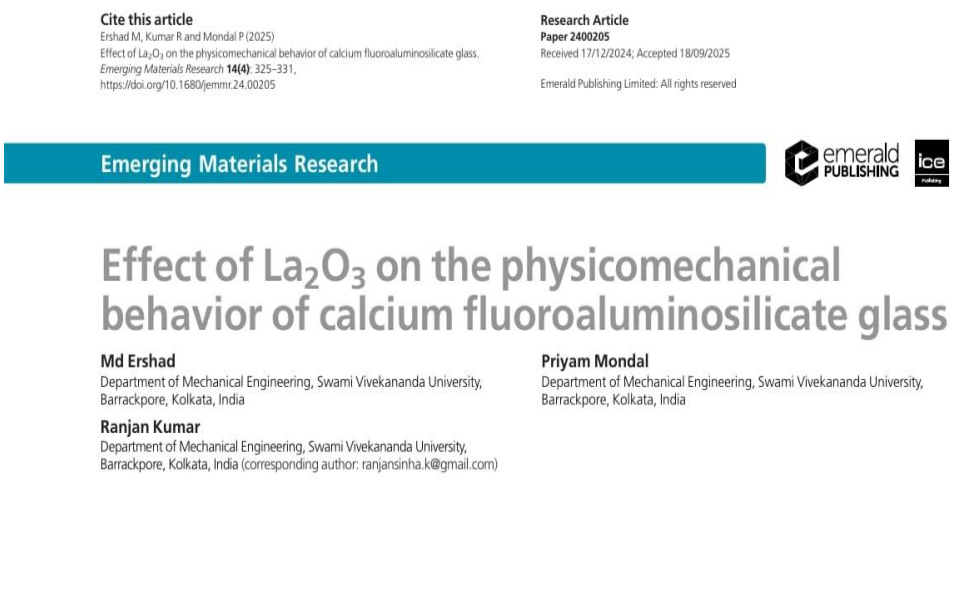
Highlights

- Turning of Nitronic-50 was done with cryo-processed WC-Co inserts at dry condition.
- Cryo-processing consisted of soaking, tempering and double tempering of inserts.



Cite this article

Ershad M, Kumar R and Mondal P (2025)

Effect of La_2O_3 on the physicomechanical behavior of calcium fluoroaluminosilicate glass. *Emerging Materials Research* **14(4)**: 325–331, https://doi.org/10.1680/jemmr.24.00205

Research Article

Paper 2400205

Received 17/12/2024; Accepted 18/09/2025

Emerging Materials Research

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Effect of La_2O_3 on the physicomechanical behavior of calcium fluoroaluminosilicate glass

Md Ershad
Department of Mechanical Engineering, Swami Vivekananda University, Barrackpore, Kolkata, India

Ranjan Kumar
Department of Mechanical Engineering, Swami Vivekananda University, Barrackpore, Kolkata, India (corresponding author: ranjansinha.k@gmail.com)

Priyam Mondal
Department of Mechanical Engineering, Swami Vivekananda University, Barrackpore, Kolkata, India

Internship and Placement Update

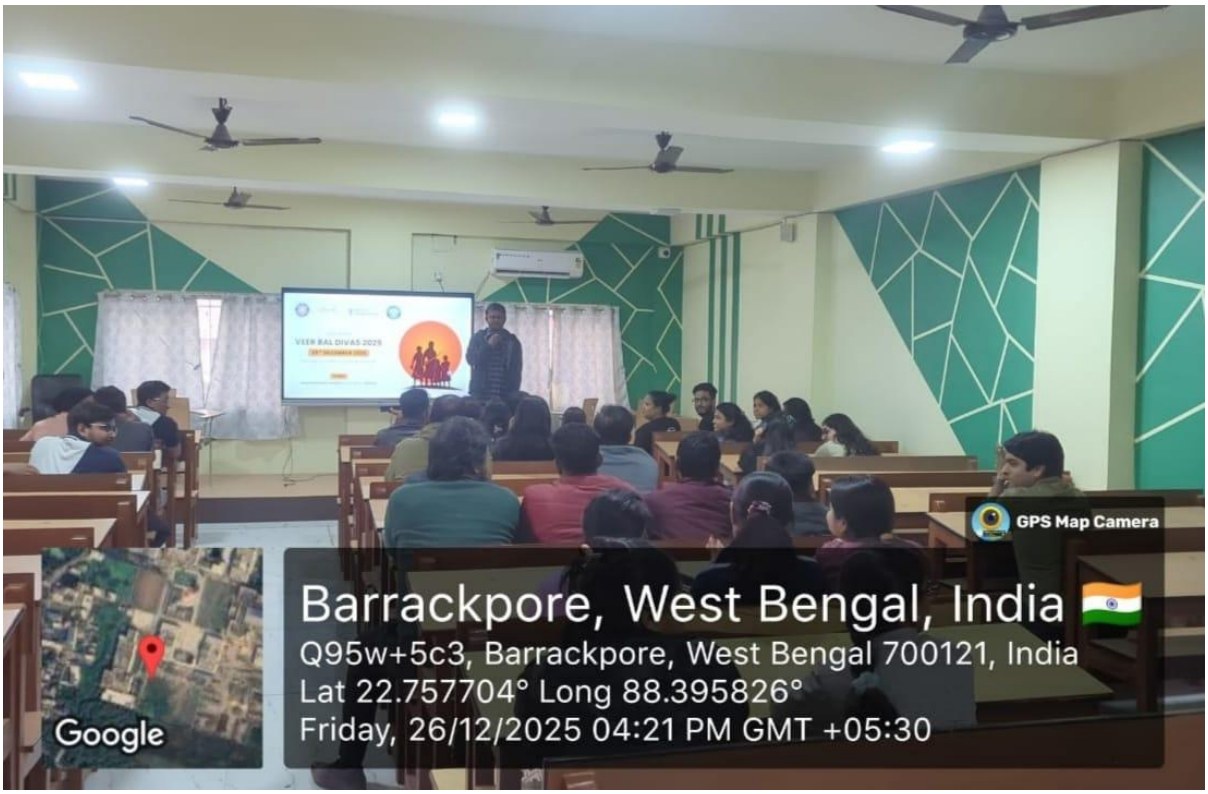
The Department of Mechanical Engineering, Swami Vivekananda University, is pleased to announce that Mr. Aman Kumar Singh and Mr. Buddhadev Ghosh, students of Diploma in Mechanical Engineering, third semester, have been selected for a paid internship at Green Leaf Automation, Kolkata. The selection followed an interview conducted on December 23, 2025. Both students will join the organization on January 1, 2026, as trainees under a three-month internship program with a monthly stipend of ₹6,000. Subject to satisfactory performance during the internship period, they may be considered for permanent employment. The department congratulates both students and wishes them continued success in their professional journey.

Veer Bal Diwas Observance

Veer Bal Diwas was observed on **26 December 2025** at **Swami Vivekananda University**, Block–6, at **2:00 p.m.**, with deep reverence and patriotic spirit. The programme was organized under the aegis of the **National Service Scheme (NSS)** in association with **My Bharat** and the **Ministry of Youth Affairs and Sports**. The observance commemorated the supreme sacrifice and unmatched courage of Sahibzada Zorawar Singh and Sahibzada Fateh Singh, honoring their steadfast faith and heroism.

Faculty members and students of the **Department of Mechanical Engineering** actively participated in the event, engaging in meaningful discussions and reflections on the values of bravery, resilience, and moral strength. The programme sought to inspire students to imbibe courage, integrity, and national pride, while remembering the heroic legacy of India's young martyrs and reinforcing the spirit of service and patriotism among the university community.


OBSERVING
VEER BAL DIVAS 2025
26TH DECEMBER 2025
HONOURING THE COURAGE OF YOUNG HEROES OF INDIA
VENUE
SWAMI VIVEKANANDA UNIVERSITY, BLOCK - 6, TIME - 02:00 P.M.
YOUTH AFFAIRS AND SPORTS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