

SOUMAK BOSE (M.TECH)

ASSISTANT PROFESSOR
DEPARTMENT OF MECHANICAL ENGINEERING
SCHOOL OF ENGINEERING

SUBJECTS TEACH Manufacturing Process, Welding Technology, Solid Mechanics, Heat Transfer, Machine Design

RESEARCH INTEREST Manufacturing process, Weld cladding, Surface treatment

ACADEMIC EXPERIENCE

CITM, BAINCHI, HOOGHLY, WEST BENGAL, INDIA

2nd July 2015 to 31st August 2019

Worked as a ‘**Lecturer**’ in the Department of Mechanical Engineering in CITM, Hooghly.

CITM, BAINCHI, HOOGHLY, WEST BENGAL, INDIA

1st September 2019 to 10th July 2022

Worked as a ‘**Assistant Professor**’ in the Department of Mechanical Engineering in CITM, Hooghly.

SWAMI VIVEKANANDA UNIVERSITY, BARRACKPORE, KOLKATA, WEST BENGAL, INDIA

11th July 2022 to Till Date

Works as a ‘**Assistant Professor**’ in the Department of Mechanical Engineering in SVU, Barrackpore.

PUBLICATION

Journal Publication

- [1] S. Bose and S. Das, “Experimental investigation on bead-on-plate welding and cladding using pulsed GTAW process”, Indian Welding Journal, Vol.54, No.1, pp. 64–76, 2020. [ISSN:0046-9092] [DOI: 10.22486/iwj.v54i1.205482]
- [2] S. Bose and S. Das, “Variation of geometry of weld bead using 316 stainless steel wire electrodes on low alloy steel under different process parameters”, Journal of the Association of Engineers, India, Vol. 90, No. 3&4, 2020. [ISSN 0368-1106].
- [3] S. Bose and S. Das, “Evaluating suitable weld condition to obtain enlarged bead width of 316 stainless steel towards weld cladding”, Indian Science Cruiser, Vol. 36, No.1, 2022 Vol. 90, No. 3&4, 2020.. [ISSN 0970-4256]
- [4] A. Das, S. Bose and S. Das, “ANN Based Estimation of Geometry of Bead-on-Plate in Pulsed Gas Tungsten Arc Welding”, Journal of Mechanical Engineering: PRAKASH, Vol.1, No.1, pp. 39-46, 2022.

Conference Papers

➤ International Conference

- [1] S. Bose and S. Das, “Bead-on-plate and cladding performance of 316 austenitic stainless steel on low alloy steel plate using GTAW process”, Proceedings of the International Conference on Advanced Welding Technology & Quality System for Developing Economics (IC 2020), The Indian Institute of Welding, Mumbai, p.32, February 06-08, 2020.

- [2] S. Bose and S. Das, “Effect of heat input in cladding performance and macro hardness of 316 austenitic stainless steel on low alloy steel plate using GMAW process”, Communicated to 8th International & 29th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2021), December 09-11, 2021.

➤ **National Conference**

- [1] S. Bose and S. Das, “Observation of weld bead geometry of austenitic stainless steel wire electrode using GMAW process”, Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME 2019), Kalyani Government Engineering College, Kalyani, India, p.73, February 15-16, 2019.

Book Chapter

- [1] S. Bose and S. Das, “Effect of heat input on corrosion resistance of 316 austenitic stainless steel cladding on low – carbon steel plate”, Advances in Micro and nano Manufacturing and Surface Engineering, Springer, Singapore, pp. 163 – 176, 2022.

MEMBERSHIP

The Institute of Science, Education and Culture (ISEC)

Life member of ISEC (LM 432)

PHOTO

