

CURRICULUM VITAE

SOUMAK BOSE

[Diploma and B. Tech (Mechanical Engineering),
M.Tech (Production Engineering)]



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Technical Education

- 2017 - 2019 **M. Tech.**
Kalyani Govt. Engineering College, Kalyani, Nadia, West Bengal, India.
University: MAKAUT, WB
[Production Engineering, DGPA - 8.19]
Dissertation: Bead-on-Plate and Cladding Performance of Austenitic Stainless Steel Wire
Electrode on Low Alloy Steel Plates Using GMAW and GTAW Process.
- 2012 - 2015 **B.Tech.**
CITM, Hooghly, West Bengal, India
University: MAKAUT, WB
[Mechanical Engineering, DGPA - 8.57]
- 2009 - 2012 **Diploma**
JISSP, Kalyani, Nadia, West Bengal, India.
Board: WBSCTE
[Mechanical Engineering, Score- 84.9%]

School Education

2006 – Madhyamik from Mahesh Sri Ramkrishna Ashram Vidyalaya, Rishra, Hooghly, West Bengal, India
with a score of 75%

Academic Experiences

- 11th Jul. 2022 – **Assistant Professor**
Till date Swami Vivekananda University, Barrackpore, Kolkata, West Bengal, India, Department
of Mechanical Engineering.
- 1st Sept. 2019 – **Assistant Professor**
1st Jul. 2022 CITM, Bainchi, Hooghly, West Bengal, India, Department of Mechanical Engineering.
- 2nd July 2015 - **Lecturer**
31st Aug.2019 CITM, Bainchi, Hooghly, West Bengal, India, Department of Mechanical Engineering.

Publication Made

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 No:0046-9092, DOI: [10.22486/iwj.v54i1.205482](https://doi.org/10.22486/iwj.v54i1.205482)
- [2] 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 No. 0970-4256]
- [3] 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.
- [4] Arijit Mukherjee, Santosh Kumar, Syan Paul, Soumak Bose, Suman Kuma Ghosh, Samrat Biswas, “Comparative Study of Wear Behaviour of Heat Treated 304 Austenitic and 410 Martensitic Stainless Steel”, Journal of Mines, Metals and Fuels, ISSN No. 0022-2755, DOI No: <https://doi.org/10.18311/immf/2023/36038>

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. ISBN No. 978-981-19-4570-0, DOI No: <https://doi.org/10.1007/978-981-19-4571-7>
- [2] Soumak Bose, “Effect Of Process Parameters And Heat Input On Weld Bead Geometry Of Austenitic Stainless Steel Wire Electrode Using Gas Metal Arc Welding”, Recent Research Advancements In Mechanical Engineering Material Design & Production, Chapter 9, page 111 – 120, 2023. ISBN No. 978-81-964878-0-5
- [3] Soumak Bose, “Generation of Electricity Through Speed Breaker”, Mechanical Engineering Advancements: Current Trends and Future Prospects, Chapter 7, page 131 – 143, 2023.
- [4] Soumak Bose, “Advancements in Surface Engineering: Techniques, Applications, Challenges, and Future Trends”, Progress in Materials Manufacturing and Energy Systems, Chapter 8, page 36 – 41, May 2025. ISBN No. 978-81-974427-1-1, DOI: [10.62823/Inspira/2025/9788197442711](https://doi.org/10.62823/Inspira/2025/9788197442711)
- [5] Soumak Bose, “AI and NLP Approaches for Intelligent Transportation Systems: Driving Sustainable Development”, Dynamic Approaches to Multidimensional Challenges, Chapter 9, page 44 – 49, January 2025. ISBN No. 978-81-981913-8-0, DOI: [10.62823/MGM/2025/9788198191380](https://doi.org/10.62823/MGM/2025/9788198191380)
- [6] Soumak Bose, “Electro Discharge Machining (EDM) of Glass: Techniques, Applications, and Challenges”, Engineering for Sustainability Research, Innovation, and Impact, Chapter 24, page 186 – 196, March 2025. ISBN No. 978-81-974962-9-5, DOI: [10.62823/RGRF/9788197496295](https://doi.org/10.62823/RGRF/9788197496295)
- [7] Soumak Bose, Suman Kumar Ghosh, Ranjan Kumar and Bikash Panja, “A Comprehensive Review on Wire Electrical Discharge Machining (WEDM) Process Parameters: Effects, Optimization and Applications”, Research Methodologies in Engineering and Applied Science, Chapter 6, page 81 – 89, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [8] Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose, “Revolutionizing Mobility: Advanced Hydroelectric and Electric Vehicle Technologies for Sustainable Development”, Research Methodologies in Engineering and Applied Science, Chapter 16, page 183 – 192, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>

- [9] Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose, "Process Optimization and Material Characterization in WAAM", Research Methodologies in Engineering and Applied Science, Chapter 17, page 193 – 197, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [10] Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose, "Helical Flow Dynamics: Numerical Simulation and Analysis of Helicity Distribution in Cyclone Separators", Research Methodologies in Engineering and Applied Science, Chapter 18, page 198 – 204, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [11] Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose, "Advanced Modal Analysis of NACA 0012 Airfoil Wings: Unveiling Higher-Order Deformation Modes using ANSYS Workbench", Research Methodologies in Engineering and Applied Science, Chapter 19, page 205 – 211, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [12] Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas, "Thermal Pathways: Investigating Temperature Distribution Along the Topmost Portion of a 2D Steady-State Heat Conduction Domain", Research Methodologies in Engineering and Applied Science, Chapter 20, page 212 – 218, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [13] Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas, "Stress Exploration: Unveiling Minimum Combined Stress in a Cantilever Beam using ANSYS", Research Methodologies in Engineering and Applied Science, Chapter 21, page 219 – 223, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [14] Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas, "Bending Perspectives: Analyzing Total Deformation in a Cantilever Beam using ANSYS", Research Methodologies in Engineering and Applied Science, Chapter 22, page 225 – 230, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [15] Soumya Ghosh, Soumitra Roy, Sayan Paul, Arijit Mukherjee, Soumak Bose and Suman Kumar Ghosh, "Unveiling the Potential of Hydroelectric Power Systems towards Sustainability", Research Methodologies in Engineering and Applied Science, Chapter 23, page 231 – 240, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [16] Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas, "Influence of Crack Location on the Natural Frequencies of Composite Beams", Research Methodologies in Engineering and Applied Science, Chapter 24, page 241 – 245, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [17] Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Advances and Applications of Wire Arc Additive Manufacturing (WAAM) & Process Optimization and Material Characterization in WAAM", Research Methodologies in Engineering and Applied Science, Chapter 30, page 283 – 289, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [18] Arijit Mukherjee, Samrat Biswas, Sayan Paul, Soumya Ghosh, Suman Kumar Ghosh and Soumak Bose, "Modal Analysis and Directional Bending Moment of a Cantilever Beam using ANSYS", Research Methodologies in Engineering and Applied Science, Chapter 31, page 290 – 296, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [19] Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Vibrational Insights: Modal Analysis of a Cantilever Beam using ANSYS", Research Methodologies in Engineering and Applied Science, Chapter 32, page 297 – 302, 2024. ISBN No. 978-93-6233-705-4, DOI: <https://doi.org/10.62906/bs.book.209>
- [20] Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose, "Revolutionizing Mobility: Advanced Hydroelectric and Electric Vehicle Technologies for Sustainable Development", Innovative Approaches in Engineering Research, Chapter 15, page 147 - 156, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>

- [21] Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose, "Process Optimization and Material Characterization in WAAM ", Innovative Approaches in Engineering Research, Chapter 16, page 157– 163, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [22] Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose, "Helical Flow Dynamics: Numerical Simulation and Analysis of Helicity Distribution in Cyclone Separators", Innovative Approaches in Engineering Research, Chapter 17, page 164 – 168, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [23] Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose, "Advanced Modal Analysis of NACA 0012 Airfoil Wings: Unveiling Higher-Order Deformation Modes Using ANSYS Workbench", Innovative Approaches in Engineering Research, Chapter 18, page 169 – 176, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [24] Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas, "Stress Exploration: Unveiling Minimum Combined Stress in a Cantilever Beam Using ANSYS", Innovative Approaches in Engineering Research, Chapter 19, page 177 – 182, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [25] Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas, "Bending Perspectives: Analyzing Total Deformation in a Cantilever Beam Using ANSYS", Innovative Approaches in Engineering Research, Chapter 20, page 183 - 188, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [26] Soumya Ghosh, Soumitra Roy, Sayan Paul, Arijit Mukherjee, Soumak Bose and Suman Kumar Ghosh, "Unveiling the Potential of Hydroelectric Power Systems towards Sustainability", Innovative Approaches in Engineering Research, Chapter 21, page 189 – 198, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [27] Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas, "Influence of Crack Location on the Natural Frequencies of Composite Beams", Innovative Approaches in Engineering Research, Chapter 22, page 199 – 203, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [28] Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas, "Dynamic Revelations: Advanced Modal Analysis of a Cantilever Beam Using ANSYS", Innovative Approaches in Engineering Research, Chapter 23, page 205 - 210, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [29] Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Advances and Applications of Wire Arc Additive Manufacturing (WAAM) & Process Optimization and Material Characterization in WAAM", Innovative Approaches in Engineering Research, Chapter 27, page 233 – 237, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [30] Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Process Optimization and Material Characterization in WAAM", Innovative Approaches in Engineering Research, Chapter 28, page 239 - 243, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [31] Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Modal Analysis and Directional Bending Moment of a Cantilever Beam Using ANSYS", Innovative Approaches in Engineering Research, Chapter 29, page 245 - 250, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [32] Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Vibrational Insights: Modal Analysis of a Cantilever Beam Using ANSYS", Innovative Approaches in Engineering Research, Chapter 30, page 251 - 256, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [33] Arijit Mukherjee, Suddha Sattwa Bagh, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Production of Biodiesel Using Chicken Waste Fats", Innovative Approaches

in Engineering Research, Chapter 31, page 257 - 265, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>

- [34] Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Modal Analysis of a NACA 0012 Airfoil Wing Using ANSYS Workbench", Innovative Approaches in Engineering Research, Chapter 32, page 267 - 273, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>
- [35] Sayan Paul, Arijit Mukherjee, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Influence of Fiber Orientation on the Vibration Characteristics of Composite Beams with Cracks", Innovative Approaches in Engineering Research, Chapter 33, page 275 - 279, October 2024. ISBN No. 978-93-6233-761-0, DOI: <https://doi.org/10.62906/bs.book.211>

Patent

- [1] "Power Generation Using Speed Breaker", Soumak Bose, Abhishek Dhar, Saurabh Adhikari, Subhranil Som, Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India. [Patent Application Number 202331054862 A]
- [2] "Mini Belt Grinder", Soumak Bose, Suman Kumar Ghosh, Ranjan Kumar, Samrat Biswas, Abhishek Dhar, Saurabh Adhikari, Subhranil Som, Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India. [Patent Application Number 202331054863 A]
- [3] "Autonomous Robo-Soccer Competition System", Soumak Bose, Abhishek Poddar, Soumya Ghosh, Bikash Panja, Abhishek Dhar, Saurabh Adhikari, Subhranil Som, Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India. [Patent Application Number 202431060633 A]

Conference Papers

➤ 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.

➤ 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", 8th International & 29th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2021), December 09-11, 2021.
- [3] Soumak Bose, Samrat Biswas, Sayan Paul, "Investigational Report on Bead-on-Plate Welding of 316 Austenite Stainless Steel Using Pulsed GTAW Process", Proceedings of the International Conference on ICISE 2023, Swami Vivekananda University, West Bengal, India. September 27-29, 2023.
- [4] Soumak Bose, Samrat Biswas, Arijit Mukherjee, "Investigational report on cladding performance of 316 austenitic stainless steel using pulsed gas tungsten arc welding process", Proceedings of the

International Conference on ICISE 2023, Swami Vivekananda University, West Bengal, India. September 27-29, 2023.

- [5] Soumak Bose, Suman Kumar Ghosh, Soumya Ghosh, “Analysis of Pressure Distribution in the Flow Field around Vertical Axis Wind Turbine”, Proceedings of the International Conference on ICISE 2023, Swami Vivekananda University, West Bengal, India. September 27-29, 2023.
- [6] Soumak Bose¹, Sayan Paul, Samrat Biswas, Arijit Mukherjee, “Analysis of Velocity Distribution in the Flow Field around Savonious Wind Turbine”, Proceedings of the International Conference on ICISE 2023, Swami Vivekananda University, West Bengal, India. September 27-29, 2023.
- [7] Soumak Bose, “Effect of process parameters and heat input on weld bead geometry of 316 ASS electrode using GMAW”, Proceedings of the International Conference on ICISE 2023, Swami Vivekananda University, West Bengal, India. September 27-29, 2023.
- [8] Soumak Bose, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Samrat Biswas, “Deciphering the Flow's Hidden Energy: Analyzing Relative Total Pressure Distribution on a Wind Turbine Blade”, Proceedings of the International Conference on ICEDC 2024, Swami Vivekananda University, West Bengal, India. February 22-24, 2024.
- [9] Soumak Bose, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Abhishek Poddar and Samrat Biswas, “From Turbulent Chaos to Flow Harmony: Leveraging Re_t Insights for Optimized and Resilient Wind Turbine Design”, Proceedings of the International Conference on ICEDC 2024, Swami Vivekananda University, West Bengal, India. February 22-24, 2024.
- [10] Soumak Bose, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Samrat Biswas, “Qualitative Analysis of Longitudinal Vorticity Distribution at Different Sectional Plane along Span-Wise Location of HAWT Blade”, Proceedings of the International Conference on ICEDC 2024, Swami Vivekananda University, West Bengal, India. February 22-24, 2024.
- [11] Soumak Bose, Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Arijit Mukherjee and Anupam Mallick, “Exploring Gas Metal Arc Welding (GMAW) Cladding: A Comprehensive Review of Process Parameters, Clad Materials, and Corrosion Resistance”, Proceedings of the International Conference on ICEDC 2024, Swami Vivekananda University, West Bengal, India. February 22-24, 2024.
- [12] Soumak Bose, Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Arijit Mukherjee and Anupam Mallick, “Advancements and Perspectives in Gas Tungsten Arc Welding (GTAW) Cladding: A Comprehensive Exploration of Process Parameters, Material Selection, and Performance Characteristics”, Proceedings of the International Conference on ICEDC 2024, Swami Vivekananda University, West Bengal, India. February 22-24, 2024.
- [13] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, “Mapping Thermal Landscapes: Analyzing Temperature Distribution Along A Path In 2D Steady- State Heat Conduction”, Proceedings of the International Conference on ICISE 2024, Swami Vivekananda University, West Bengal, India. June 20-21, 2024.
- [14] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, “Stress Synergy: Analyzing Maximum Combined Stress In A Cantilever Beam Using Ansys”, Proceedings of the International Conference on ICISE 2024, Swami Vivekananda University, West Bengal, India. June 20-21, 2024.
- [15] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, “Exploring Stress Shadows: Evaluating Minimum Bending Stress In A Cantilever Beam Using Ansys”, Proceedings of the International Conference on ICISE 2024, Swami Vivekananda University, West Bengal, India. June 20-21, 2024.

- [16] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Effect Of Crack Depth On The Natural Frequencies Of Composite Beams", Proceedings of the International Conference on ICISE 2024, Swami Vivekananda University, West Bengal, India. June 20-21, 2024.
- [17] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Advanced Modal Analysis Of Naca 0012 Airfoil Wings: Unveiling Higher-Order Deformation Modes Using Ansys Workbench", Proceedings of the International Conference on ICISE 2024, Swami Vivekananda University, West Bengal, India. June 20-21, 2024.
- [18] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Paving the Path to Sustainability: Energy Efficiency and Renewable Technologies for a Greener Future", Proceedings of the International Conference on ICSRD 2024, Swami Vivekananda University, West Bengal, India. September 25-26, 2024
- [19] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Assessing Optimal Renewable Energy Technologies for Sustainable Energy Solutions", Proceedings of the International Conference on ICSRD 2024, Swami Vivekananda University, West Bengal, India. September 25-26, 2024
- [20] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Wire Arc Additive Manufacturing: Insights into Recent Advances, Industrial Applications, and Material Characterization", Proceedings of the International Conference on ICSRD 2024, Swami Vivekananda University, West Bengal, India. September 25-26, 2024
- [21] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "Electro Discharge Machining (EDM) of Glass: Techniques, Applications, and Challenges", Proceedings of the International Conference on ICSRD 2024, Swami Vivekananda University, West Bengal, India. September 25-26, 2024
- [22] Soumak Bose, Sayan Paul, Arijit Mukherjee, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas, "AI and NLP Approaches for Intelligent Transportation Systems: Driving Sustainable Development", Proceedings of the International Conference on ICSRD 2024, Swami Vivekananda University, West Bengal, India. September 25-26, 2024
- [23] Soumak Bose, "Transformative Manufacturing Techniques in Aerospace Engineering: Advancements and Challenges", Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025
- [24] Soumak Bose, "Sustainable Manufacturing Practices in Mechanical Engineering: Strategies, Challenges, and Future Trends", Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025
- [25] Soumak Bose, "Innovations in Multi-Axis Additive Manufacturing: Advancements, Applications, and Future Trends", Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025
- [26] Soumak Bose, "High-Performance Lightweight Materials: Innovations, Applications, and Sustainable Manufacturing Practices", Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025
- [27] Soumak Bose, "Digital Manufacturing and Its Applications", Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025

- [28] Soumak Bose, “Next-Generation Automated Welding: Trends and Developments”, Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025
- [29] Soumak Bose, “High-Strength, Low-Density Materials: Revolutionizing Performance and Sustainability in Engineering”, Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025
- [30] Soumak Bose, “Advancements in Composite Materials: Innovations, Applications, and Future Perspectives in Mechanical Engineering”, Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025
- [31] Soumak Bose, “Advancements and Future Directions of Robotics in Manufacturing: Enhancing Efficiency, Precision, and Safety”, Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025
- [32] Soumak Bose, “Advancements in Surface Engineering: Techniques, Applications, Challenges, and Future Trends”, Proceedings of the International Conference on ICEDC 2025, Swami Vivekananda University, West Bengal, India. February 4-6, 2025.

Membership

❖ The Institute of Science, Education and Culture (ISEC)

Life member of ISEC (LM 432)

Hobbies

❖ Learning and Dreaming

Declaration

I hereby declare that all the facts mentioned above are accurate, and I take full responsibility for their accuracy.

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