

# CURRICULAM VITAE



**Name:** SAYAN PAUL  
**Communication Address:** VILL. -ANANDANAGAR, P.O.-ANANDANAGAR PS- SINGUR,  
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## **CAREER OBJECTIVE**

- To seek a position and to utilize my skills and abilities in the corporate field that offers professional growth while being resourceful, innovative and flexible.
- To work with sincere devotion for development of organization and also to achieve target goals.
- To assist my senior officials and colleagues.

## **ACADEMIC EXPERIENCE**

- Working as "Assistant Professor" in Swami Vivekananda University since December, 2021.
- Served as lecturer in Technique Polytechnic Institute (Accredited by NBA) in the department of Mechanical Engineering since 16<sup>th</sup> January, 2017 to 18<sup>th</sup> April, 2019
- Served as a lecturer in the department of Mechanical Engineering in Camellia Institute of Technology and Management from 3<sup>rd</sup> July, 2015 to 7<sup>th</sup> January, 2017

## **INDUSTRIAL EXPERIENCE**

- Served as "Project Co-Ordinator" in Melbrow Engineering Works Pvt Ltd. from May, 2020 to December, 2021
- Served as "Production Engineer" in "Howrah Forging Limited" from April 2019 to May 2020.
- Worked as "Diploma Engineering Trainee" in Larsen & Toubro Ltd. From July, 2011 to August, 2012.

## **SOFTWARE PROFICIENCY**

- SolidWorks
- ANSYS
- 3D Printing Software
- AutoCAD 2D & 3D
- Microsoft word
- Microsoft Excel

## **MEMBERSHIP**

- Life Member of **Indian Society for Technical Education**.

## **ACADEMIC QUALIFICATIONS**

Name of the Institution.	Name of the Examination	Board/University	Percentage/Grade	Year of passing
Swami Vivekananda University	M.Tech in Mechanical Engineering	Swami Vivekananda University	8.74	2022
Jalpaiguri Government Engineering College	B. Tech in Mechanical Engineering	West Bengal University of Technology	7.78	2015
Ramakrishna Mission Shilpamandira	Diploma in Mechanical Engineering	West Bengal Board of Technical Education	89	2011
Anandanagar A.C Roy High School	Higher Secondary Examination	West Bengal Council of Higher Secondary Education	81.6	2008
Anandanagar A.C Roy High School	Secondary Examination	West Bengal Board of Higher Secondary Education	83.8	2006

## **ACADEMIC PUBLICATIONS**

### **JOURNAL PUBLICATION**

- Joydip Naskar, Ranjan Kumar, Somnath Das, N. Roy, Sayan Paul, "Experimental investigation of cutting parameters during laser beam machining of aluminum alloy 7075", *Materials Today: Proceedings*, 2023, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2023.03.194>.
- 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* (Accepted)
- Samrat Biswas, Sayan Paul, Soumya Ghosh, Suman Kumar Ghosh, Arijit Mukherjee, Bireswar Majumdar, "Investigation of Transverse Velocity Component over Swept-Back Wing in Subsonic Flow.", *Journal of Mines, Metals and Fuels* (Accepted)
- Ravi Nigam, Ramnivas Kumar, Nisit Kumar Parida, Ranjan Kumar, Soumya Ghosh, and Sayan Paul. "Damage Localization in a Beam by Lifting Wavelet Scheme and Photographic based Experimentation." *Journal of Mines, Metals and Fuels* 71, no. 12A (2023): 153-159.

### **PATENT PUBLICATION**

- "Solar Powered Automated Rooftop Shielding Mechanism", Abhishek Dhar, Saikat Majumdar, Sayan Paul, Saurabh Adhikari, Soumya Ghosh, Titas Kumar Nag, Arijit Mukherjee, Sourav Saha, Rituparna Mitra, Avik Dhar, 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 No. 431023, Date of Filing. 4/7/20225.
- "Smart Solar Grass Cutter", Sayan Paul, Soumya Ghosh, Saurabh Adhikari, Arijit Mukherjee, Ranjan Kumar, Sourav Saha, 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 No. 202231038992A]
- "Solar Powered Outdoor Stand Ceiling Fan" Sayan Paul, Samrat Biswas, Arijit Mukherjee, Suman Kumar Ghosh, 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 202331054340A]

### **BOOK PUBLICATION**

- Ranjan Kumar, Ravi Nigam, Md. Sahid Raza, Md. Erashad, Samrat Biswas, Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Suman Kumar Ghosh, Soumak Bose, Abhishek Poddar, "Mechanical Engineering Advancements: Current Trends and Future Prospects, Chapter 5, pp. 76-101, August 2023 [Swami Vivekananda University, Kolkata (Institutional Publisher), ISBN: 978-81-964878-1-2]
- Ranjan Kumar, Ravi Nigam, Md. Sahid Raza, Md. Erashad, Samrat Biswas, Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Suman Kumar Ghosh, Soumak Bose, Abhishek Poddar, "Recent Research Advancements in Mechanical Engineering: Material, Design, And Production Chapter 7, pp. 93-109, December 2023 [Swami Vivekananda University, Kolkata (Institutional Publisher), ISBN: 978-81-964878-0-5]

### **CONFERENCE PUBLICATION**

- Mr. Sayan Paul "Investigative Exploration into the Evolution of Pressure Coefficient Distribution within the Flow Field Surrounding a Vertical Axis Wind Turbine." *Proceedings of the International Conference on Integrative Science and Engineering (ICISE-2023)* Swami Vivekananda University Barrackpore West Bengal India. September 28-30 2023.
- Mr. Sayan Paul "Qualitative Investigation into the Evolution of Velocity in sth frame in Rotating Reference Frame Distribution in the Surrounding Frame of a Vertical Axis Wind Turbine." *Proceedings of the International Conference on Integrative Science and Engineering (ICISE-2023)* Swami Vivekananda University Barrackpore West Bengal India. September 28-30 2023.
- Mr. Sayan Paul "Literature Survey of Evolution of Vertical Axis Wind Turbine" *Proceedings of the International Conference on Integrative Science and Engineering (ICISE-2023)* Swami Vivekananda University Barrackpore West Bengal India. September 28-30 2023.

- Mr. Sayan Paul “In depth analysis of tribological characteristics of SS410 under pre and post heat treatment.” Proceedings of the International Conference on Integrative Science and Engineering (ICISE-2023) Swami Vivekananda University Barrackpore West Bengal India. September 28-30 2023.
- Mr. Sayan Paul “Comprehensive review of three-dimensional solid object printing technology under additive manufacturing.” Proceedings of the International Conference on Integrative Science and Engineering (ICISE-2023) Swami Vivekananda University Barrackpore West Bengal India. September 28-30 2023.
- Sayan Paul, Samrat Biswas, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee, Soumak Bose “Unveiling the Aerodynamic Symphony: A Numerical Investigation of Pressure Distribution on a Wind Turbine Blade” Proceedings of the International Conference on Engineering Design and Computing (ICEDC-2024) Swami Vivekananda University Barrackpore West Bengal India. February 22-24 2024.
- Sayan Paul, Samrat Biswas, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee, Soumak Bose “Qualitative Analysis of Distribution of Turbulence Intensity in the Flow Field around Horizontal Axis Wind Turbine” Proceedings of the International Conference on Engineering Design and Computing (ICEDC-2024) Swami Vivekananda University Barrackpore West Bengal India. February 22-24 2024.
- Sayan Paul, Samrat Biswas, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee, Soumak Bose “Explorative Multi-Plane Analysis of Velocity Angle in the Sth Frame” Proceedings of the International Conference on Engineering Design and Computing (ICEDC-2024) Swami Vivekananda University Barrackpore West Bengal India. February 22-24 2024.
- Sayan Paul, Samrat Biswas, Suman Kumar Ghosh, Soumya Ghosh, Anupam Mallick, Soumak Bose “Analyzing Spanwise Velocity Distribution on a Horizontal Wind Turbine Blade for Performance Optimization” Proceedings of the International Conference on Engineering Design and Computing (ICEDC-2024) Swami Vivekananda University Barrackpore West Bengal India. February 22-24 2024.
- Sayan Paul, Samrat Biswas, Suman Kumar Ghosh, Soumya Ghosh, Anupam Mallick, Soumak Bose “Unveiling the Significance of Vorticity Y Distribution along Span-Wise Direction for HAWT Blade” Proceedings of the International Conference on Engineering Design and Computing (ICEDC-2024) Swami Vivekananda University Barrackpore West Bengal India. February 22-24 2024.
- Sayan Paul, Arijit Mukherjee, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh, Samrat Biswas “Deciphering Directional Heat Flux in 2D Steady-State Heat Conduction: A Numerical Study of Rectangular Plates” International Conference on Integrative Science and Engineering (ICISE-2024) Swami Vivekananda University Barrackpore West Bengal India. June 20-21 2024.
- Sayan Paul, Arijit Mukherjee, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh, Samrat Biswas “Analyzing Maximum Bending Stress in a Cantilever Beam Using ANSYS” International Conference on Integrative Science and Engineering (ICISE-2024) Swami Vivekananda University Barrackpore West Bengal India. June 20-21 2024.
- Sayan Paul, Arijit Mukherjee, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh, Samrat Biswas “Vibrational Mastery: Unlocking the Secrets of Cantilever Beam Dynamics Using ANSYS” International Conference on Integrative Science and Engineering (ICISE-2024) Swami Vivekananda University Barrackpore West Bengal India. June 20-21 2024.
- Sayan Paul, Arijit Mukherjee, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh, Samrat Biswas “Cyclonic Insights: Advanced Numerical Simulation of Pressure Distribution in Cyclone Separators” International Conference on Integrative Science and Engineering (ICISE-2024) Swami Vivekananda University Barrackpore West Bengal India. June 20-21 2024.
- Sayan Paul, Arijit Mukherjee, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh, Samrat Biswas “Influence of Fiber Orientation on the Vibration Characteristics of Composite Beams with Cracks” International Conference on Integrative Science and Engineering (ICISE-2024) Swami Vivekananda University Barrackpore West Bengal India. June 20-21 2024.

**PERSONAL DETAILS**

<b>Date of Birth (DOB)</b>	18 <sup>TH</sup> April,1991
<b>Place of Birth</b>	Anandanagar
<b>Father's name</b>	Haripada Paul
<b>Mother's name</b>	Tribeni Paul
<b>Hobbies</b>	Any kind of fitness activity, reading story books
<b>Language known</b>	English, Hindi, Bengali.
<b>Nationality</b>	INDIAN
<b>Marital status</b>	Unmarried

I hereby confirm that the information in this document is accurate & true to the best of my knowledge.

**Date:**



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**Signature**