

RESUME

AVISHEK SAMANTA

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CAREER OBJECTIVES

To work in a challenging environment which will help me to explore my skills in an effective way and working towards achieving the goals of the organization with career growth

WORK EXPERIENCES

- ❖ Working as Assistant Professor at Swami Vivekananda University, Barrackpore, Kolkata From **01 Dec , 2025 Till Now**.
- ❖ Worked as Assistant Professor at Institute of Science & Technology, Chandrakona town West Bengal from **16 Aug, 2018 to 29 Nov,2025**.
- ❖ Working as Visiting Assistant Professor at COCHBEHAR GOVERNMENT ENGINEERING ,COCHBEHAR ,WEST BENGAL
- ❖ Worked as Visiting Assistant Professor at COLLEGE OF ENGINEERING &MANGEMENT. KOLAGHAT ,WEST BENGAL
- ❖ Worked as Assistant Professor at BUDGE BUDGE INSTITUTE OF TECHNOLOGY From **13 Feb 2017 to 21 May 2017**
- ❖ Worked as Assistant Professor at Institute of Science & Technology ,Chandrakona town West Bengal From **05 Aug, 2015 to 10 Feb,2017**
- ❖ Worked as Production Supervisor at Anand & Anand, Jalandhar from **15 Oct, 2012 to 21 June, 2013**. During that I worked in production of sports good, inspection, quality checking etc.
- ❖ Worked as Apprenticeship in ISRO,Space Application Centre, Ahmedabad From **11 Oct,2011 to 10 Oct,2012** .During that I worked as Vibration Testing of payloads which use in satellite, Designing and Modeling using various software

EDUCATION QUALIFICATION:

Ph.D. (Production Industrial Engg.)	National Institute Of Technology, Jamshedpur	Pursuing(Enrol 1 -07/2023)	Pursuing(7 th Sem Ongoing)
M.Tech (Mechanical Engg)	Lovely Professional University, Punjab	07/2015	7.29 (CGPA)
PGDBM (Distance Learning)	Lovely Professional University ,Punjab	12/2013	6.70 (CGPA)
B.E (Mechanical Engg)	Gujarat University, Ahmedabad	06/2011	58.47%
Diploma (Mechanical Engg)	TEB Gandhinagar, Gujarat	06/2008	63.74%
SSC (10th)	CBSE, New Delhi	03/2004	62.30%

TECHNICAL SKILLS

Anslys Work bench 14.5, 15.0, AutoCAD, MATLAB

PROJECT/ Dissertation / Thesis

- ❖ Punching Machine (DIPLOMA)
- ❖ Analysis of lifting bail (B.E)
- ❖ Dissertation (M.TECH) : To study the fatigue and low impact on carbon fiber composite structure.
- ❖ Thesis (Ph.D.): Machine learning based bidirectional predictive modelling for analysis of additive and joining processes (already registered for Ph.D.)

TRAINING / WORKSHOPS/ CERTIFICATIONS

- ❖ Three days' Workshop on N.X.7.5 conducted by Space Application Centre, ISRO, Ahmadabad.
- ❖ Two days' Workshop on Nastron patron conducted by Space Application Centre, ISRO, Ahmadabad.
- ❖ Two months Training on AutoCAD at CDAC, Gandhinagar.
- ❖ Two months regular training on Basics of computer at CDAC, Gandhinagar.
- ❖ Two weeks Training on Quality Assurance management at shafhali steels limited, Ahmedabad.
- ❖ One month training on Ansys workbench at CADD Centre Jalandhar
- ❖ Participated FDP which is Organized By JIS Group And MCKV Institute
- ❖ Participated ATAL FDP which is Organized by NIT Jamshedpur.
- ❖ Attended the one week training on SMART MANUFACTURING TOWARDS INDUSTRY 4.0 (SMI 4.0)Organized by NIT Jamshedpur.
- ❖ Attended one day Webinar on 'Artificial Intelligence & Machine Learning (based on manufacturing)' Organized by NIT Jamshedpur
- ❖ Successfully Completed NPTEL based FDP on " Welding Metallurgy" on June 2026.
- ❖ Participated Five days Short Term Course on Smart Manufacturing: From Fundamentals to Industrial Applications Towards Sustainability, Organized By NIT Jamshedpur

TECHNICAL VISIT/ External Examiner

- ❖ As External Examiner for ODD semester at Global Institute of Science & Technology Haldia , From 26/11/2015 to 27/11/2015
- ❖ As External Examiner for Even semester at ICV, Polytechnic, Jhargram From 16/05/2016 to 18/05/2016.

PROJECT SUPERVISIED

- ❖ **For** Polytechnic Final Year Project:
 - 1) Workshop Tool Trolley
 - 2) Paper Punching Machine
- ❖ **For** B.Tech Final Year Project
"Vibration Analysis of Fixture Plate Using Ansys" "Modelling and Analysis of Mechanical.

EXTRACURRICULAR ACTIVITIES

- ❖ Won the Silver Medal, at Badminton Under-19 at regional level conducted by CBSE, on Sept 2004.
- ❖ Participated in Techfest which organize by SVIT Vasad on Feb,2010
- ❖ Participated in the Freshmen Induction program conducted by LOVELY PROFESSIONAL UNIVERSITY on Aug,2014
- ❖ Actively participated as Co-Ordinator conducting one day seminar held on 22 Aug,2025 organized by Dept. of Mechanical Engineering, Institute of Science &Technology, Ck Town

Conference Attended

- ❖ 3rd International and 15th national Conference on Industrial Problems on Machines and Mechanisms (IPRoMM 2024) Paper ID: 'Machine learning based bidirectional predictive modelling for analysis of wire arc additively manufactured low carbon steel ' held between (19th -21th Dec 2024) Organized by Dept of Mechanical Engg. NIT Jamshedpur
- ❖ International Conference on Modern Manufacturing and Management Intelligence Paper ID : SVM Modelling of Rotary Friction Welding held between (27th feb-1st Mar 2025) Organized by Dept of Production and Industrial Engg. NIT Jamshedpur
- ❖ 4th International Conference on Engineering Design and Computing (ICEDC 2026) Paper Submitted : Study of Fatigue and low velocity impact on carbon fiber composite structure. And Experimental Parametric Investigations of TIG Welding for Mechanical Optimization of Similar Mild Steel. (27 Feb to 28 Feb ,2026) Organized by Swami Vivekananda University, Kolkata.

Paper Published

- ❖ Fabrication and characterization of austenite-ferrite stainless steel bimetal by twin wire arc additive manufacturing
- ❖ Machine Learning Approach for Bidirectional modelling and optimization of Inconel 625 Deposition in Wire Arc Additive Manufacturing
- ❖ Machine Learning based bidirectional modelling of rotary friction welding.
- ❖ Machine learning based bidirectional predictive modelling for analysis of wire arc additively manufactured low carbon steel

Patent

- ❖ MACHINE FOR ARC HEATING BASED METAL ADDITIVE MANUFACTURING Registration Dated 16/02/2024
- ❖ Arc Heating Based Metal Additive Manufacturing Process using Waste Machining Chips as Feedstock Material Registration Dated 19/04/2024

LANGUAGE KNOWN

English, Hindi, Gujarati, Bengali

PERSONAL DETAIL

Date of Birth : 23 May, 1989
Father's Name : Kamal Kumar Samanta
Sex : Male
Marital Status : Married

I assert you that the information furnished above are all true to my knowledge. Date:

Place:

Yours Sincerely,
(AVISHEK SAMANTA)