

**Name: Ms. SREEJATA SEN SARMA**



**Department: Basic Science & Humanities (Mathematics)**

**Contact Nos.: 9432588903, 9674859360**

**Qualifications: M.Sc., B.Sc. (Hons.), B.Ed.**

**Designation: Assistant Professor**

**VIDWAN ID: 187520**

**Experience (Teaching / Research / Industry, in years):**      **Teaching: 18 years**  
**Research: 6 years**

**Date of Joining at the Present Institution: 15/07/2008**

**Examinations Cleared: NET-CSIR/GATE: NA**

**Qualifications Summary (Reverse chronological order):**

<b>Degree</b>	<b>Institute</b>	<b>From - To</b>	<b>Subjects</b>
M.Sc	University of Kalyani	1999-2001	Applied Mathematics (Advanced Fluid Mechanics)
B.Sc	University of Kalyani	1996-1999	Mathematics (Hons.), Physics(Pass), Chemistry(Pass)
B.Ed.	University of Kalyani	2002-2003	Mathematics (Method 1), Physical sc.(Method2)
H.S.	W.B.C.H.S.E.	1994-1996	Beng, Eng, Phys, Chem, Math, Bios
Madhyamik	W.B.B.S.E.	1994	All compulsory subjects, Phys(addl.)

**Experience Summary (In chronological order):**

Designation, Organization, Date From - Date To

1. Assistant Professor in Dr. B. C. Roy Engineering College, Durgapur, 2008-till date.
2. Former lecturer in Aryabhatta Institute of Engineering & Management, Durgapur, 2007-08
3. Former full time guest lecturer in Kalyani Mahavidyalay, Kalyani, 2004-07
4. Former guest lecturer in Kanchrapara College, Kanchrapara, 2004-05
5. Former guest lecturer in Mrinalini Dutta Mahavidyapith, Birati, 2003-04

**Specialization/Research Interest: Computational Fluid Dynamics**

**Awards & Recognitions**

**Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.**

Awarded scholarship for securing Rank 1 in B.Sc. (Hons.)

**Courses taught:** B.Sc., B.Tech

**B.Tech: Specify the name of the subject/s (Theory first and then practical)**

**Theory:** Mathematics IA, Mathematics IB, Mathematics IIA, Mathematics IIA, Mathematics IIB, Mathematics III, Numerical Methods, Operations Research

**Practical:** Numerical Methods Lab, Operations Research Lab

**M.Tech: specify the name of the Subject/s:** NA

**Online Mode of Teaching:** Google Platform, ZOOM, YouTube link

**The Faculty member needs to specify the online teaching/ assessment method adopted. (Link to any faculty created resources for Lecture notes / PPT/ Video Lecture etc. in Google Drive / Weblink etc)**

1. [https://youtu.be/dK6kHUTNI\\_Y](https://youtu.be/dK6kHUTNI_Y)
2. <https://youtu.be/b-fKUqfd6kc>
3. <https://youtu.be/eSgYmU1Rd6c>
4. [https://youtu.be/q9\\_2UgNp9R4](https://youtu.be/q9_2UgNp9R4)

**Publications:**

**Journal:**

1. Anirban Chattopadhyay, Pandit, **Sreejata Sen Sarma** I. Pop. Mixed convection in a double lid-driven sinusoidally heated porous cavity" International Journal of Heat and Mass Transfer, Volume 93, February 2016, Pages 361-378
2. Anirban Chattopadhyay, **Sreejata Sen Sarma**, Swapan K. Pandit; Numerical Simulations of Mixed Convection in a Porous Double Lid Driven Cavity, Published 2014, Chemistry Corpus ID: 102642349

**Conference:**

1. Anirban Chattopadhyay, **Sreejata Sen Sarma**, Swapan K. Pandit; Numerical Simulation of Mixed Convection in a Double Lid Driven Sinusoidally Heated Porous Cavity, An International Conference on Mathematical Modeling and Computer Simulation with Applications, December 31, 2013 January 2, 2014, IIT KANPUR
2. Anirban Chattopadhyay, Swapan K. Pandit, **Sreejata Sen Sarma**, Entropy Generation During Mixed Convection in a Porous Double-Lid-Driven Cavity International Conference on Emerging Trends on Applied Mathematics, 12-14 February, Department of Mathematics, University of Calcutta

**Book:**

NA

**Book Chapter:**

1. July 2015

DOI: 10.1007/978-81-322-2547-8\_31

2. In book: Applied Mathematics (pp.329-335)

3. Edition: 2015

4. Chapter: 31

5. Publisher: Springer India

#### **Supervision of Ph.D/M.Tech / B.Tech Projects:**

##### **For Ph.D**

1. **Name of the student, Name of the supervisor, " Title of the thesis", Year , Name of the university (completed) NA**
2. **Name of the student, Name of the supervisor, " Title of the thesis", Year, Name of the university (Registered) NA**

##### **Projects:**

1. **Name of the student/s (with university roll number), Name of the supervisor, " Title of the Project / thesis" , Year (only final year 8<sup>th</sup> Sem Project for B.Tech and Thesis for M.Tech ) NA**

##### **Invited Lectures:**

1. **Topic of the lecture, Name of the event, organized by, Date NA**

##### **Participation in seminar/conference/symposium/workshop/discussion:**

1. National Seminar on Non Linear Problem, Viswa Bharati, 2009
2. Workshop on Recent Advances in Computational Fluid Dynamics, IIT Guwahati, 2010
3. An International Conference on Mathematical Modeling and Computer Simulation with Applications December 31, 2013 - January 2, 2014 IIT KANPUR
4. International Conference on Emerging Trends on Applied Mathematics, 12-14 February, Department of Mathematics University of Calcutta

##### **Participation in faculty development programmes**

Name of the faculty development programmes, Online / Face-to-face/ From Date - To Date, Duration, Year, Organized by.

1. 5 Days FDP Program on "Moodle- An ICT Based Learning Management System (LMS) to Conquer the Academic Lock Down" associated with IIT **Bombay** and the "**Electronics and Communication Engineering Department**" of Dr. B. C. Roy Engineering College, Durgapur April 20-April 25, 2020.

2. TEQIP-III sponsored Online National FDP on "Advanced Optimization & Heuristic Method for Industrial Applications" held from 26-30th July,2020 in Ramgarh Engineering College, Organised by Department of Basic Science & Humanities.
3. Three days FDP on "Adaptation of Emerging Technique in Structural & Geotechnical Engineering" held from 6-8th August,2020 in Dr. B. C. Roy Polytechnic College, Organised by Department of **Electronics and Telecommunication Engineering**.
4. Two days FDP on "Modern Signal Processing Technology" held from 3-4th August,2020 in Dr. B. C. Roy Polytechnic College, Organised by Department of **Civil Engineering**.
5. World's Largest 1 Week HANDS-ON Faculty Development Program on Artificial Intelligence using Python organised by Department of Computer Science & Technology of Dr. B. C. Roy Polytechnic in association with Brainovision Solutions India Pvt.Ltd. & National Youth Council of India held from 14-09-2020 to 19-09-2020.

**1. Organization of events (Dr. B. C. Roy Engineering College) NA**

Name of the event, Date, Year

**Participation in administrative committees (selected)**

1. Name of the post (Convener/Joint Convenor/Member secretary/Co-ordinator etc.),  
Name of the committee, year NA
3. **Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution NA**
4. **Membership of professional bodies: IEEE, IETE, IEL, CSI, MGMI etc. NA**