

Name: Prof. Sayantan Chakraborty

Designation: Assistant Professor

Branch: Electrical & Electronics Engineering

E-mail: sayantanchakraborty@iutripura.edu.in



Educational Qualification(s):

| Qualification(s) | University |
|--|------------------------|
| PhD (Engineering) – Thesis Submitted | Jadavpur University |
| MTech in Electrical Engineering (Electrical Power) | University of Calcutta |

Experience in years:

Academic : **12.5 years**

Details:

| Sl. No. | Organization | Position Held | Duration | |
|---------|---|--|----------|-----------|
| | | | From | To |
| 1 | Seacom Engineering College, Sankrail, Howrah, West Bengal, India | Lecturer, T-I-C, EE | 2006 | 2010 |
| | | Assistant Professor, H.O.D., EE | 2010 | 2011 |
| 2 | Dr. Sudhir Chandra Sur Degree Engineering College, JIS Group of Educational Initiatives, Dum Dum, West Bengal, India | Assistant Professor, T-I-C, EE; H.O.D., EE | 2011 | 2017 |
| 3 | The ICFAI University, Tripura, India | Assistant Professor, H.O.D., EEE | 2017 | Till date |

Other Information:

a) Publication details

- Author:**
- 1 Multifractal detrended cross-correlation analysis for epileptic patient in seizure and seizure free status; Chaos, Solitons & Fractals 67 (2014) 1–10
 - 2 Multifractal detrended cross-correlation analysis of market clearing price of electricity and SENSEX in India; Physica A 434 (2015) 52–59
 - 3 Multifractal behavior of electricity bid price in Indian energy market; Electrical Power and Energy Systems 74 (2016) 162–171
 - 4 Epileptic Seizure: A New Approach for Quantification of Autonomic Deregulation with Chaos Based Technique, Translational Biomedicine 8:1 (2017) 106
 - 5 Chaos Based Quantitative Electro-Diagnostic Marker for Diagnosis of Myopathy, Neuropathy and Motor Neuron Disease, Journal of Neurology and Neuroscience 8 (2017) S4:226 1–11
 - 6 Chaos based nonlinear analysis to study cardiovascular responses to changes in posture, Physica A 512 (2018) 392–403
- Reviewer:**
- 1 Generalized Hurst Exponent Estimates Differentiate EEG Signals of Healthy and Epileptic Patients, Physica A 490 (2018) 378–385

(b) Details of Seminar/Workshop/Conference

Paper Presentation: Quantitative assessment of neuropathy and myopathy using chaos based analysis of electromyography signals, 23rd West Bengal Science & Technology Congress 2016, Presidency University, Kolkata, West Bengal, India.

Epileptic Seizure - A New Approach for Quantification of Autonomic Deregulation with Chaos Based Technique, 24th West Bengal Science & Technology Congress 2016, NITTTR, Salt Lake, West Bengal, India.

Seminar & Conference Participation: PSRD 2005, December 4, 2005 at Haldia, organized by Power Engineering Society (PES, IEEE), IEEE, University of Calcutta and Haldia Institute of Technology, Haldia, Purba Medinipur, West Bengal, India.

Latest Trends in Lighting Technology, organized by Department of Electrical Engineering, BESU in collaboration with Electrical Engineering Department, Jadavpur University under Technical Education Quality Improvement Programme (TEQIP), held on March 26 – 28, 2009 at Bengal Engineering and Science University, Shibpur, Howrah, West Bengal, India.

SMART Metering, February 23, 2013 under the auspices of UGC-SAP DRS-I project organized by Department of Applied Physics, University of Calcutta in association with TEQIP PHASE-II, UCT-CU and IET-UK Kolkata Local Network, UCST, Kolkata, West Bengal, India.

**Workshop
Attendance:**

Electrical machines and its application in modern industry, organized by the department of Electrical Engineering, Dr. Sudhir Chandra Sur Degree Engineering College in association with IEEE Kolkata Chapter, Signal Processing Unit on September 1, 2017, Dum Dum, West Bengal, India.

High voltage engineering and expectations on industry from electrical engineers organized by the department of Electrical Engineering, Dr. Sudhir Chandra Sur Degree Engineering College in association with IEEE Kolkata Chapter, Signal Processing Unit on September 18, 2017, Dum Dum, West Bengal, India.

(c) Professional membership of reputed bodies

Organization: The Institution of Engineers (India) (IEI)

Membership Type: Corporate Member (MIE)

Membership No: M-1608139