

**Name:** Dr. Saptarshi Chakraborty  
**Designation:** Assistant Professor  
**Branch:** Computer Science & Engineering



**Educational Qualification(s):**

Qualification(s)	University
B.Tech (CSE)	West Bengal University of Technology
M.Tech (CSE)	Tripura University (A Central University)
Ph.D (CSE)	NIT Silchar
PGDAC (Advance Computing)	CDAC ACTS PUNE

**Experience in years: 6.5**

Academic: 6.5

**Details:**

Sl. No.	Organization	Position Held	Duration	
			From	To
1.	NIT Agartala	Technical Assistant	March 2012	January 2013
2.	NIT Silchar	Assistant Professor	January 2013	December 2016
3.	NIT Mizoram	Temporary Faculty	July 2021	January 2022
4.	ICFAI University	Assistant Professor	January 2022	Present

**Other Information:**

- a) Publication details.
- (b) Details of Seminar/Workshop/Conference.

**List of International Journals:**

1. Chakraborty, S., Thounaojam, D.M. A novel shot boundary detection system using hybrid optimization technique. Appl Intell 49, 3207–3220 (2019) doi:10.1007/s10489-019-01444-1 (SCI) (IF- 5.086).

2. Singh, A., Thounaojam, D.M. & Chakraborty, S., A novel automatic shot boundary detection algorithm: robust to illumination and motion effect, SIViP (2019).  
<https://doi.org/10.1007/s11760-019-01593-3> (SCI) (IF- 2.157).

3. Chakraborty, S., Thounaojam, D.M. SBD-Duo: A Dual Stage Shot Boundary Detection Technique Robust to Motion and Illumination Effect. Multimedia Tools and Applications, DOI: <https://doi.org/10.1007/s11042-020-09683-y> (SCI) (IF- 2.757).

4. Chakraborty, S., Thounaojam, D.M, Sinha Nidul. A Shot boundary Detection Technique based on Visual Color Information, Multimedia Tools and applications, 10.1007/s11042-020-09857-8 (SCI) (IF- 2.757).

5. Chakraborty, S., Thounaojam, D.M, Singh Alok. A Novel Bifold-Stage Shot Boundary Detection Algorithm: Invariant to Motion and Illumination, Submitted to The Visual Computer, (SCI) (IF- 2.601).

6. The International Journal of Multimedia & It's Applications (IJMA) Vol.4, No .3, June 2012 Paper Title: A STUDY ON EIGEN FACES FOR REMOVING IMAGE BLURREDNESS THROUGH IMAGE FUSION .

7. International Journal of Emerging Technology and Advanced Engineering Website: [www.ijetae.com](http://www.ijetae.com) (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 2, Issue 12, December 2012) Paper Title: A case Study on Liveness Detection Using Thermal Image.

8. International Journal on Information Theory (IJIT) Paper Title: An Overview of Face Liveness Detection, Vol.3, and No.2, April 2014. Citation: 80+ .Archived in Cornell University Library.

9. International Journal of Information Technology, Control and Automation (IJITCA)  
Vol.5, No.1, April2015. Paper Title: PROTOTYPE APPLICATION IN ANDROID  
PLATFORMFOR SYSTEM ADMINISTRATION OF HPC CLUSTER.

**(c) Details of Seminar/Workshop/Conference.**

**List of International Conferences:**

1. International Conference of Advanced Computer Science & Information Technology(ACSIT-2012)July 14 ~ 15, 2012, Chennai, India. Paper Topic: APPLICATION OF IMAGE FUSION FOR ENHANCING THE QUALITY OF AN IMAGE
2. Paper Title: Automatic Blood Smear Analysis for Anemia Detection has been ACCEPTED for the “International Conference on Signal Processing & Integrated Networks, SPIN 2014. The Paper is online on IEEE Explore.
3. Paper Title: Face Liveness Detection Based on Frequency and Micro-Texture Analysis IEEEInternational Conference on Advances in Engineering & Technology Research (ICAETR - 2014), August 01-02, 2014, Dr. Virendra Swarup Group of Institutions, Unnao, India.
4. Chakraborty, S., Thounaojam, D.M., A. Singh, G. Pal. ALO-SBD: A Hybrid Shot Boundary Detection Technique for video surveillance System. In 26th International Conference on Advanced Computing and Communications (ADCOM 2020). (accepted - B ranking conference)

**WORKSHOP ATTENDED:**

1. Attended a Workshop on Research Methodology on July 2012 at Remote Center of NIT Agartala, organized by IIT Bombay.
2. Attended a spoken tutorial Training Course on PHP/MYSQL as a Organizer on October.
3. Attended a workshop on Microcontroller & PLC Programming Organized by EIE Department of NIT Silchar in April 2013.
4. Attended a Workshop on Database Technologies on May 2013 at Remote Center of NIT Agartala,organized by IIT Bombay.

5. Attended a workshop on Pedagogy (Teaching Learning process) of one week duration in Nit Silchar, 2014.
6. Attended a workshop on Computer Programming on June 2014 at Remote Center of NIT Silchar, Organized by IIT Bombay.
7. Attended a workshop on Design & Analysis of Algorithms. On May 2014 at RemoteCenterof NIT Silchar, Organized by IIT kharagpur.
8. Attended a workshop on Computational Biology: Tools & Techniques jointly organized by ISI Kolkata & NIT Silchar.

**(c). Professional membership of reputed bodies if any.**

**PROFESSIONAL MEMBERSHIP:**

Lifetime member of International Association of Engineers (IAENG) Member Number:

126245