Name: Dr. Ankita Mitra

Department: ECE

Contact Nos.: 7585886184 / 7908961449

Qualifications: B.Tech, M.Tech, PhD

Designation: Assistant Professor

Experience (Teaching / Research / Industry, in years): 9 yrs in Teaching profession

Date of Joining at the Present Institution: 21st June 2011

Examinations Cleared: NA

Qualifications Summary (Reverse chronological order):

Degree	Institute	From – To	Subjects
PhD	NIT, Durgapur	2014-2019	ECE
M.Tech	Dr. B.C Roy Engineering College	2009-2011	ECE
B.Tech	Dr. B.C Roy Engineering College	2005-2009	ECE

Experience Summary (In chronological order):

Asst. Professor	Dr.B.C Roy Engineering College	2011 – Till date

Specialization/Research Interest: Digital Image Processing

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

NA

Courses taught:

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

<u>**Theory**</u>
1. Basic Electronics
2. Digital Electronics
3. Signal system
4. Analog Electronics
5. Coding Theory
6. Analog and Digital Electronics
7. Principle of communication

<u>**Practical**</u>
1. Basic Electronics
2. Digital Electronics
3. Signal System
4. Analog Electronics
5. Analog and Digital Electronics
6. Communication

M.Tech: specify the name of the Subject/s
None

Online Mode of Teaching:

NA

Publications:

Journal:

1. " A Co-Segmentation Technique using Entropy Maximization of Brain MRI", *Journal of Advanced Research in Dynamical and Control Systems"* ,ISS: 1943-023X,Vol-9,**2017.**

    Indexed in: Scopus

 2)"Machine learning approach to track the progress of lesions using Change Detection", *Journal of Network and Innovative Computing, MIR Labs, USA,* pp.022-029, Vol.2, 2014.

3)"Integration of Entropy Maximization and Quantum Behaved Particle Swarm algorithm for Unsupervised Change detection of MR Skull Bone Lesions"**, International journal of Computer Applications** (0975-8887)**,** Vol. 117 no.13, pp.33-39, May 2015.

Indexed in: EBSCO, Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS (Harvard Univ.),CiteSeer, UlrichWeb, ScientificCommons (Univ. of St Gallens), University of Karlsruhe, Germany,PennState University.

Conference:

1) Detection of Progression of Lesions in MRI Using Change Detection", Proc. of the International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA), Springer Advances in Intelligent Systems and Computing Vol.247, pp.467-473, Nov. 2013.
Indexed in: Scopus

2)MRI Skull Bone Lesion segmentation using Distance based Watershed Segmentation", Proc. of the International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA), Springer Advances in Intelligent Systems and Computing ,Vol. 328, pp 255-261, 2015

Indexed in: Scopus

Book Chapter: NA

Supervision of Ph.D/M.Tech / B.Tech Projects: NA

Invited Lectures: NA

Participation in seminar/conference/symposium/workshop/discussion meeting

A Seminar on "Teaching and Learning Skill Development" was organized at the BCREC on 22nd August 2019.

Participation in faculty development programmes

Attended 3 day FDP with hands on Workshop on Full Custom VLSI Design on Mentor Graphics from 15-17, May 2019 in BCREC ECE Department..

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

NA

Participation in administrative committees (selected)
NA

Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution

NA

Membership of professional bodies: NA