Name: Ruma Ghosh

Department: Computer Science & Engineering

Contact Nos.: 9635657706

Qualifications: B.E, M.Tech.

Designation: Assistant professor , Dept. of Computer Science and Engg.

Experience (Teaching / Research / Industry, in years):

- **Teaching: 13.5 years**

Date of Joining at the Present Institution: 4 th September, 2012

Qualifications Summary (Reverse chronological order):

Degree	Institute	From – To	Subjects
Master of Technology	Jadavpur University, India.	2009	Computer Sc. & Engg.
Bachelor of Engineering	Burdwan University, India	2004	Computer Sc. & Engg.

Experience Summary (In chronological order):

Serial	Designation	Organisation	Date
1.	Lecturer in Computer Sc. and Engg.	Govt College of Engineering and Textile Technology, Srerampore .	August 2005 to September 2006.
2.	Assistant professor in Computer Sc. and Engg.	Seacom Engineering College, Sankrail, India	January,2007 to August,2012
3.	Assistant professor in Computer Sc. and Engg	Dr. B C Roy Engineering College, Durgapur, India	September, 2012 to till date

Research Interest:

- **Image Processing, Machine Learning & applications.**

Courses taught:
B.Tech:

SUBJECTS	LABS
Data Structure & Algorithm	Data Structure & Algorithm Lab
Database Management System	Database Management System Lab
Programming for Problem Solving	Programming for Problem Solving Lab
	Programming Practices using C++ Lab

Online Mode of Teaching:

- Online teaching and assessment have been implemented through ICT in the form of Lecture notes, PowerPoint Presentations, Online examinations, and Virtual Labs.

Publications:
Conference:
1. Arindam Ghosh**, Ruma Ghosh,** Deboprasad Mukherjee. " A novel highly scalable clustering algorithm based on hyper edge and successive merging with randomization for complex data sets." In 2014 International Conference on Circuit Power and Computing Technologies [ICCPCT-2014],pp.1507-1511.IEEE,2014
   [DOI: 10.1109/ICCPCT.2014.7054818]

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

B.Tech Projects:

Serial	Name of the Students	University Roll	Project Title	Year
1.	SACHIN KANT, SAIKAT SAHA, TARKESHWAR PRASAD, AMIR CHANDRA BHOKTA	12000113077, 12000113082 12000113119 12000114126	Low Cost Remote Health Care Monitoring System for Developing Countries	2017
2.	SANJMI KUMARI, SHAISTA FARHEEN, SHWETA KUMARI NEHA, SWATI KUMARI	12000113084 12000113090 12000113099 12000113118	Automated Banking Management System	2017
3.	Aditya Narayan, Jatin	12000114009 12000114045	Crowd sourcing based noise monitoring using smart phone	2018
4.	Abhishek Dutta, ArghaPratimDhara, Arnab Layek	12000115006 12000115022 12000115024	Human Activity Recognition using Smartphone	2019
5	ABHISHEK KUMAR SINHA KAMAL NAYAN SYED TANFEEZ AHMED	12000116124 12000116086 12000116013	Heart Rate Detection Using Webcam.	2020

Participation in faculty development programmes
- Participated in campus connect "Faculty Enablement Program" held from 15TH April-25TH April 2008 at "Infosys Technologies Ltd, Bhubaneswar".

- Participated in the "Theoretical aspect of computer science (UGC sponsored refresher course)" held from 21st January 2009 – 12th February 2009 "UGC – Academic Staff College, Jadavpur University".

Membership of professional bodies:

- **Computer Society of India.**