Name: Mrs Anandaprova Majumder

Department: CSE

Contact Nos.: 9433843907, 9830185775

Qualifications:

- B.Tech in CSE from MCKV Institute of Engineering
- M.Tech in CSE from University of Kalyani(1st class 1st Gold Medalist)
- Registered and persuing PhD at dept of CSE, NIT, Durgapur, under guidance of Dr. Suvamoy Changder, assistant professor, dept of CSE, NIT, Durgapur

Designation: Assistant Professor

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

- Teaching experience 11 years
- Research experience 7 years

Date of Joining at the Present Institution: **16th August, 2012**

Qualifications Summary (Reverse chronological order):

Degree	Institute	From – To	Subjects
M.Tech	University of Kalyani	2008-2010	CSE
B.Tech	MCKV Institute of Engineering	2004-2008	CSE

Experience Summary (In chronological order):

Designation	Organization	Date From – Date To
Assistant Professor	JIS College of Engineering	2009 March – 17th January, 2011
Assistant Professor	Bengal College of Engineering & Technology, Durgapur	18th January, 2011 – 14th August, 2012
Assistant Professor	Dr.B.C.Roy Engineering College	16th August, 2012 – till date

Specialization/Research Interest: Cryptography and Steganography, Modern data hiding techniques, Machine Learning applications, Water marking and digital signature

Awards & Recognitions

- NPTEL online certification award for completion of the 20 hour course on "Design and analysis of Algorithms" in July-September 2016.

- Best paper award for paper titled "A Generalized Model of Text Steganography by Summary Generation using Frequency Analysis" presented in the track of "Networks, Communications and Cyber Security" in ICRITO'2018 in August, 2018, co-sponsored by IEEE.

Courses taught:

B.Tech:
   - Basic Computation and Principles of Computer Programming (Theory and Lab)
   - Computer Organization (Theory and Lab)
   - Data Structure and Algorithms (Theory and Lab)
   - Design and Analysis of Algorithms (Theory and Lab)
   - Computer Networks (Theory and Lab)
   - Cryptography & Network Security (Theory and Lab)

M.Tech: specify the name of the Subject/s
   - Advanced Computer Architecture (Theory)
   - Computer Networking and DBMS Laboratory (Lab)

Online Mode of Teaching:

Google Drive Link for different resources of some of my taught subjects created by me :

- https://drive.google.com/file/d/14BfeNDy-nCorbK3xm0DypmP7tU9jJe2W/view?usp=sharing
- https://drive.google.com/file/d/1J8rcbdaqqAQfQk6hAXja4rE8y1JuLeF1/view?usp=sharing
- https://drive.google.com/file/d/1JYr_tu0FgBapgt2KR19qDrtpM09H494L/view?usp=sharing

Publications:

Journal:
- **Anandaprova Majumder**, Suvamoy Changder, "A Novel Approach for Text Steganography: Generating Text Summary using Reflection Symmetry", *International Conference on Computational Intelligence: Modeling Techniques and Applications (CIMTA) Procedia Technology 10*, pp. 112-120, September 2013.

Conference:
- **Anandaprova Majumder**, Suvamoy Changder, N. C. Debnath, "A Novel Approach for Text Steganography through Maze", *ISCA ACC 2013*, September 2013.

- **Anandaprova Majumder**, Suvamoy Changder, "A Novel Approach for Text Steganography: Generating Text Summary using Reflection Symmetry", *International*

Conference on Computational Intelligence: Modeling Techniques and Applications (CIMTA) Procedia Technology 10, pp. 112-120, September 2013.

- Suraj Kumar, Santosh Kumar, Neeraj Kumar Singh, **Anandaprova Majumder** Suvamoy Changder, "A Novel Approach to Hide Text Data in Colour Image", <u>2018 7th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)</u>, August 2018, **DOI:** <u>10.1109/ICRITO.2018.8748390</u>.

- **Anandaprova Majumder**, <u>Suvamoy Changder</u>, "A Generalized Model of Text Steganography by Summary Generation using Frequency Analysis", <u>2018 7th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)</u>, August 2018, **DOI:** <u>10.1109/ICRITO.2018.8748747</u>.

- Aale Rasool, Samra Roohi, Anandprova Majumder "Automated Attendance System using Few-Shot Learning Approach", IEEE 8 TH INTERNATIONAL CONFERENCE ON RELIABILITY, INFOCOM TECHNOLOGIES AND OPTIMIZATION (ICRITO'2020) (TRENDS AND FUTURE DIRECTIONS), June 2020 (Accepted and Presented)

Book Chapter:
- **Anandaprova Majumder**, Suvamoy Changder, N. C. Debnath, "A New Text Steganography method based on Sudoku Puzzle Generation", 1st International Conference on Emerging Trends in Information Technology, which was held in Delhi, Indiain June, 2019, Part of the Springer <u>Lecture Notes in Electrical Engineering</u> book series (LNEE, volume 605), doi.org/10.1007/978-3-030-30577-2_85.

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

Projects:
  1. **B.Tech projects guided in 2016**

Prof Anandaprova Majumder	Stego Tool-A stenographic Android Application	AAYUSH ANAND	12000112002
		ALOK KUMAR	12000112008
		KOTA DEVYANI	12000112046
		RABIN SHRESTHA	12000112074
Prof Anandaprova Majumder	Crypto Tool : A Cryptographic Android Application	AMARTYA CHATTERJEE	12000112011
		ANUPAM SEN	12000112019
		RAHUL PRASAD	12000112075

  2. **B.tech Projects guided in 2017**

Anandaprova Majumder	Data protection using thumbprint scanning	RAUNAK KUMAR	12000113074
		RAVI KUMAR MAHATO	12000113076
		SK SAHABUDDIN	12000113100
		SUMEET RAJ	12000113112
Anandaprova Majumder	Cryptography	RAJESHWARI DAS	12000113071
		SNEH VICHI	12000113101
		SONAM KUMARI	12000113102
		SWETA RANI	12000114139

3. B.tech Projects guided in 2018

		Santosh Kumar	12000114094
Anandaprova Majumder	A novel approach to hide text data in colour image	Shrimant Kumar	12000114104
		Manish Chandra	12000114056
		Neeraj Kumar Singh	12000114060
Anandaprova Majumder	Application of Apriori algorithm in medical database	Shivam Dey	12000114103
		Danish Aziz	12000114127
		Pradeep Kumar	12000114076
		Shashank Shekhar	12000114100

4. B.tech Projects guided in 2019

Prof. Anandaprova Majumder	**Online player auction system**	Rohit Kumar	12000115080
		Shuvo Kumar	12000115104
		Devesh Kumar	12000115036

5. B.tech Projects guided in 2020

		ABHIJEET SHUBHAM	12000114094
Anandaprova Majumder	Smart Learning Approach(Web based using JAVA)	ABHIMANYU KUMAR	12000114104
		MANAS KUMAR DEY	12000114056
Anandaprova Majumder	Automated Attendance System using Few-Shot Learning Approach	AALE RASOOL	12000116130
		SITESH KUMAR	12000116034
		S M ARBAZ ALAM	12000116057
		SHUBHAM RAJ	12000116036

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

- Attended different international conferences sponsored by IEEE or SPRINGER like NCCCS'2012, CIMTA'2013, ICRITO'2018, ICETIT'2019, ICRITO'2020 as paper presenter or organizer or reviewer.
- Program committee member of international IEEE conference ICRITO 2018.
- Program committee member of international IEEE conference ICRITO 2020.

Participation in faculty development programmes
- NPTEL online 20 hour FDP course on "Design and analysis of Algorithms" in July-September 2016.

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

- Organizing committee member of the IEEE conference NCETSTEA 2020 to be organized at BCREC on 7-8 February, 2020
- Member of hospitality team in the event of IEEE student branch opening and the subsequent seminar organized on 5th April, 2019.
- Intra College Wall magazine Competition 2018, 2019

Participation in administrative committees (selected)

- Member of NAAC sub-committee
- Organizing committee member of the IEEE conference NCETSTEA 2020 to be organized at BCREC on 7-8 February, 2020
- Member of hospitality team in the event of IEEE student branch opening and the subsequent seminar organized on 5th April, 2019.
- Taken many classes of both B. Tech and MBA final year students for **in house professional training programme organized by college** as part of pre placement training of students in 2016-2017.
- Member of NBA committee during NBA accreditation of dept of CSE
- Examination cell member from 2012-2014
- Departmental coordinator of Wall Magazine Committee.
- Departmental coordinator of Best Student Award Committee

Membership of professional bodies: IEEE, IETE, IEI, CSI, MGMI etc.

- Member of professional bodies like IEEE and CSI.