

## Dr. Tanmoy Halder

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### CAREER SUMMARY:

- ✓ Awarded PhD. in Computer Science from The University of Burdwan in 2020.
- ✓ Publications in SCOPUS and SCI Indexed International Journals, Conferences and Book chapters.
- ✓ 15 years of teaching experiences as a full time Assistant Professor.
- ✓ Presently working at Dr. B.C. Roy Engineering College, Durgapur. Assistant professor (Computer Application).

### EDUCATIONAL QUALIFICATION:

<b>PhD. in Computer Science</b> from The University of Burdwan in <b>February, 2020.</b>
<b>Master of Computer Application (MCA)</b> [10+2+3+3] from The University of Burdwan in <b>2007</b> with <b>77.09 %</b>
<b>Bachelor of Computer Application</b> [10+2+3] from The University of Burdwan in <b>2004</b> with <b>61.59%</b>
<b>Higher Secondary</b> [ 10+2 ] from W.B.C.H.S.E in <b>2001</b> with <b>58.1%</b>
<b>Secondary</b> [10] from W.B.B.S.E in <b>1999</b> with <b>77.3%</b>

### RESEARCH ACTIVITY:

- ✓ Awarded PhD. on Data Security using Digital Image Steganography and Optimization techniques.
- ✓ At present, working on waterbody detection using Remote sensing and Machine Learning.

- ✓ Area of interest: Remote Sensing, Data Security, Machine Learning.
- ✓ Have published 6 research papers in SCOPUS and SCI indexed Journals, Conferences and Book chapters.

## WORK PROFILE:

### Present job profile:

College Name : Dr. B.C.Roy Engineering College , Durgapur.  
 Designation : Assistant Professor.  
 Department : Computer Application.  
 Subject taken : Python, Java, Networking, Data structure.  
 Employment Period : From September 2013 to Till Date.  
 Responsibilities : Course Coordinator of BCA. Project Guide.

### Previous work profile :

1→

College Name : Bengal College of Engineering and Technology (A part of SSKGI), Durgapur.  
 Designation : Assistant Professor.  
 Department : (Computer Application MCA and BCA)  
 Employment period : 3 years.

2→

College Name : Durgapur Society of Management Science(DSMS), Durgapur.  
 Designation : Lecturer.  
 Department : Computer Application  
 Employment period : 2 years.

3→

College Name : Michael Madhusudan Memorial College(A Government college under The university of Burdwan).  
 Designation : Lecturer.  
 Department : Computer Application.  
 Employment period : 8 months.

4→

College Name : AMEX, Institute of professional studies , Burdwan .  
 Designation : Lecturer.  
 Department : Computer Application.  
 Employment period : 4 months.

## RESEARCH DETAILS:

	Paper Name	Journal/Conference/Book chapter	Indexed in	Year of Publication
1.	A Hybrid Approach for Water body Identification from Satellite Images using NDWI Mapping and Histogram-Gradients	Innovations in Systems and Software Engineering: A NASA Journal. Springer. <a href="https://doi.org/10.1007/s11334-021-00414-6">https://doi.org/10.1007/s11334-021-00414-6</a>	SCOPUS, Emerging Sources Citation Index(ESCI), ACM Digital Library, UGC-CARE List (India)	2021
2.	A Block-based Adaptive Data Hiding Approach using Pixel-Value-Difference and LSB Substitution to Secure E-Governance Documents	Journal of Information Processing System.(Korea)(ISSN: 1976-913X(Print), ISSN:2092 805X(Online). Vol.15, No.2, pp. 261-270, April 2019, <a href="https://doi.org/10.3745/JIPS.03.0111">https://doi.org/10.3745/JIPS.03.0111</a> .	SCOPUS, Emerging Sources Citation Index (ESCI)	2019
3.	A PSO based Information Hiding Approach using Pixel Mapping and Wavelet Transformation	International Journal of Engineering and Technology (IJET) Vol 10, No 1, Feb-Mar 2018, ISSN (Print) : 2319-8613, ISSN (Online) : 0975-4024, DOI: 10.21817/ijet/2018/v10i1/181001130.	SCOPUS	2018
4.	A Novel Data Hiding Approach by Pixel-Value-Difference Steganography and Optimal Adjustment to Secure E-Governance Documents	Indian journal of Science and Technology Informatics Publishing Limited Print ISSN : 0974-6846 line ISSN : 0974-5645	<b>SCOPUS</b> , Elsevier B.V; ISI,(SCI) <b>Thomson Reuters</b> ; DOAJ; Ulrich's Periodical Directory, USA; Indian Science Abstracts, India; Index Copernicus, Poland;	2015
5.	<b>(Book Chapter)</b> A secure Data-Hiding Approach using Particle Swarm Optimization and	Published in: Handbook of Research on Natural Computing for Optimization Problems. <b>Book Series:</b> published in the IGI Global book series Advances in	<b>Thomson Reuters(SCI)</b> Book Citation Index, the DBLP Computer Science	2016

	Pixel Value Difference.	Computational Intelligence and Robotics (ACIR) (ISSN: 2327-0411; eISSN: 2327-042X)	Bibliography, ERIC - Education Resources Information Centre, and ACM Digital Library, and are also visible in the CrossRef linking network	
6.	<b>(Conference)</b> A New Information Hiding Approach using Haar-Wavelet Transformation	5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), Nov. 2-4, 2018. Page: 962-966., Published by IEEE Xplore Digital Library 3612018, Conference record no: 43684.	Published by IEEE Xplore Digital Library 3612018, Conference record no: 43684.	2019
7.	<b>(Conference)</b> A LSB-Indexed Steganographic Approach to Secure E-Governance Data	International Conference on Computing and System – 2013. The University of Burdwan, Burdwan. (page:158-166)	Technically co-sponsored by IEEE Computer Society (Kolkata section)	2013

#### **OTHER ACTIVITIES:**

Worked as Training and Placement coordinator (APC).

Worked as a Course coordinator in the dept. of BCA.

Worked as a Project coordinator in the dept. of BCA.

#### **PERSONAL SKILLS:**

Comprehensive modern teaching skills.

Excellent Presentation, motivational and leadership skills.

Ability to handle students.

#### **PERSONAL PROFILE:**

Date of Birth : **30<sup>th</sup> Sept 1981**

Father's name : Sri Biswanath Halder.

Language known: English , Bengali, Hindi .

