Prof. Debnath Bhattacharyya,

Ph.D. (Tech., Computer Science and Engineering), University of Calcutta; M.Tech. (Computer Science and Engineering), West Bengal University of Technology.

Contact:

Vill. Langalberia, P.O. Gobindopur,

Dist. 24-Parganas (South),

Pin-700145, West Bengal, INDIA.

Phone (R): +91 33 24371775; +91 33 34379725

Mobile: +91 9903682993 / 8100672636

email: debnathb@gmail.com

Date of Birth: August 24, 1963.

Education:

May, 2012: Ph.D. (Tech., Computer Science and Engineering), University of Calcutta, India.

Topic: "Design and Analysis of Human Signature Authentication and IRIS Verification System"

August, 2008: M.Tech. (Computer Science and Engineering), West Bengal University of

Technology, Kolkata, India.

M.Sc. IT in 2004 distance

PGDCSM in 1994

B.Sc. Spl Hons Botany in 1989 with 53.77%

B.Sc. Pass in 1984 with 62.77%

12th Standard in 1982 with 37.80%

10th Standard in 1980 with 51.50%

Work Experience:

May 2020 to current: Professor, Department of Computer Science and Engineering, K L Deemed to be University, KLEF, Guntur - 522502, India.

January 2022 to current: Visiting Professor, University of Johannesburg, Johannesburg, South Africa.

July 2017 to June 2022: Invited Professor, Lincoln University, KL, Malaysia.

March 2014 to April 2020: Professor, Computer Science and Engineering Department, Vignan Group, Guntur, AP, India. Served as various Roles like, HoD of CSE, and Dean R&D, in Vignan's Institute of Information Technology, Visakhapatnam and Professor of VFSTR University.

October 09, 2012 to December 2013: Professor and Head, Computer Science and Engineering Department, NSHM Knowledge Campus – Durgapur, Durgapur-713212.

November 01, 2011 to May 04, 2012: Professor, Information Technology Department, MCKVIE, Liluah, Howrah.

February 02, 2011 to October 31, 2011: Professor, Computer Science and Engineering Department; In-Charge of CSE, IT and MCA; MPCT, Gwalior, India.

March 01, 2010 to January 31, 2011: Foreign Professor, Hannam University, Daejeon, South Korea.



March 10, 2005 to February, 2010: Assistant Professor, Computer Science and Engineering Department, Heritage Institute of Technology, Kolkata, India.

February 01, 1996 to March 09, 2005: Education Officer, computer Society of India, Kolkata, India.

January 1995 to January 1996: Temporary Faculty Member, RCC, Jadavpur, Kolkata.

Research Attachments:

- International Research collaboration initiated on May 2020, with Dr. Lalit Garg, University of Malta, Msida.
- International Research collaboration established with:
 - a. Dr. Qin Xin, University of Faroe Island.
 - b. Dr. Tai-hoon Kim, BJTU, China.
 - c. Dr. Y. Byun, Jeju National University, Jeju Island, South Korea.
- Member, Ph.D. Committee (CSIT), 2012-13, West Bengal University of Technology, Kolkata.
- Member, Ph.D. Selection Committee (CSIT), 2012-13, West Bengal University of Technology, Kolkata.

Projects:

- **a.** Rs. 6.00 Lakh, for 2 years, dated: 03.02.2011, (Completed), Titled "Statistical Analysis towards Image Recognition", funded and allocated by Machine Intelligence Research (MIR) Labs, (Constituents of MIR Labs, USA), Gwalior-474011.
- **b.** \$30000 USD, for 2 years, dated: 01.03.2016, (Completed), Titled "Automatic Human Recognition", funded by Sungshin W. University and SERSC South Korea.
- **c.** \$29000 USD, for 3 years, dated: 01.03.2019, (Completed), Establishment of joint Research Lab, Titled "Soft Computing and Knowledge Engineering Research Lab".
- **d.** \$3600 USD: Consultancy Project for 4 Months, dated: March 2022 (Completed), South Korean Bank, Title: "Loan Disbursement System".
- e. Rs. 120000, AquaExcange Pvt. Ltd., Shrimp Counting System, September 2020, (Closed), Consultancy Project.
- **f.** 4000 EURO, ICCSA Italy, Water management system, about to complete, January 2022.

Research Publications:

Scopus Publications : 239
Web of Science : 145
Google Scholar : 400+

Publication List(s):

https://scholar.google.co.in/citations?user=B0MKrZAAAAAJ&hl=en

https://www.scopus.com/authid/detail.uri?authorId=57216142572

Patent(s):

Published: Indian : 05

Granted: 02

Delivery of invited Lectures:

Sl.No.	Topic(s)	Institute/University
1	Invited Lecture on "Data Mining"	Organized by MCA Dept., Bengal Institute of Technology, Bantala. September 10, 2008.
2	Invited Lecture on "Data Mining and Current Research Trend"	Computer Science and Engineering Department, NIST, Berhampur. September 14, 2011.
3	Invited Lecture on "Current Research Trends" in Computer Science.	K.L. University, Vijayawada, India, December 05, 2011.
4	Invited Lecture on "Graphical Password" in Computer Science and IT.	Bharti Vidyapeeth Deemed University, Pune, India, December 16, 2011.
5	Invited Lecture on "Data Mining".	MPCTM, Gwalior, August 07, 2013.
6	Keynote Speech on "Unsupervised Learning"	IEEE-COMCOMS-2015, October 23-26, 2015, Hanoi.
7	Invited Lecture on "Machine Learning"	Hanoi University of Science and Technology (Largest Public University in Vietnam), October 23, 2015.
8	Invited Lecture on "Under Water Communication"	National Institute of Oceanography, Panaji, Goa, September 11-12, 2015.
9	Invited Lecture on "Research Foundation"	VFSTR University, Guntur, AP. April 17, 2017.
10	ACM DSP Lecture on Data Science	VVIT, Guntur, AP, July 18, 2019.
11	ACM DSP Lecture on Data Mining	KKR & KSR Institute, Guntur, AP, January 5, 2019.
12	ACM DSP Lecture on Unsupervised Learning in Data Mining	salesforce, USA, August 27, 2020.
13	ACM DSP Lecture on Pattern Recognition	Chitkara University, December 29, 2020.
14	Invited Lecture on Computer Vision	Qingdao University, China, April 11, 2021.
15	Invited Lecture on "About my Research in Computer Vision"	Harbin Institute of Technology (Shenzhen), China, October 16, 2020.

Research Interests:

Biometric Authentication, Pattern Recognition, Image Processing and Security Engineering.

PhD Awarded: 8

Current PhD Students: 3

International Activities:

Position	Conference/Journal	Location	Link (if any)
	IEEE-ICIAS 2007	KL Convention Centre,	
	International	Kuala Lumpur, Malaysia,	
	Conference	25 - 28 November 2007.	
	IEEE HUT-ICCE	Golden Sand Resort, Hoi	
	2008 International	An City, Vietnam, 4 - 6	
	Conference	June, 2008.	

	Journal of Universal		Special Issue on Data
	Computer Science		Security and Privacy
	(J.UCS)		Protection in Pervasive
			Computing Environments.
Reviewer	Springer: Journal of		
	Mobile Networks and		
	Applications.		
	Journal of Digital		
Forensic Practice.			
Electronic Letters on			
	Computer Vision and		
	Image Analysis		
	(ELCVIA).		
	IJSIP, IJCA, IJDTA,		
	IJSEIA, IJSIA,	Science and Engineering	
	IJFGCN, IJHIT,	Research Support Center,	http://sersc.org
	IJSH & IJGDC	Korea	
	International		
	Journals.		

Chief Editor(s):

Journal of Statistical Computing and Algorithm (JSCA)

http://gvschoolpub.org/journals/JSCA/

International Journal of Communication Technology for Social Networking Services (IJCTSNS), http://gvschoolpub.org/journals/IJCTSNS/

Advisory Board Member, International Journal of Computer Information Systems and Industrial Management Applications, http://www.mirlabs.org/ijcisim/

Editor(s):

 $\label{ligence} \textbf{International Journal of Ambient Computing and Intelligence (IJACI),} \underline{\underline{http://www.igi-global.com/journal/international-journal-ambient-computing-intelligence/1110}$

Informatics in Medicine Unlocked,

https://www.journals.elsevier.com/informatics-in-medicine-unlocked/

International Journal of Extreme Automation and Connectivity in Healthcare (IJEACH), https://www.igi-global.com/journal/international-journal-extreme-automation-connectivity/188743

International Journal of Academic Research (IJAR), http://www.ijarsite.com/editors/ Journal of Business and Technovation (JoBT), http://www.jotonline.net/editors/

Athens Journal of Sciences, Athens, Greece, http://www.atiner.gr/journals/sciences.htm **Athens Journal of Technology & Engineering**, Athens,

Greece, http://www.athensjournals.gr/athens-journal-of-technology-engineering

International Journal of Applied Information Systems, Published by FCS (Foundation of Computer Science), New York, USA, http://ijais.org/editorial-board

Journal of Medical Genetics and Genomics.

Academic Journals, 5170-00200, Nairobi, 73023 Victoria Island, Lagos.

http://www.academicjournals.org/JMGG/Editors.htm

Genomics Discovery, Herbert Open Access Journal, Herbert Publications Ltd.,

15 Windmill Road, Luton, Bedfordshire, LU1 3XL, United Kingdom.

http://www.hoajonline.com/genomics/editorialboard

Connections with Professional Bodies:

- a. Member, IEEE. (Membership No. 92618808)
- b. Member, ACM and SIGKDD
- c. Life Member, Computer Society of India, India. (Member No. 1065121)
- d. **Sr. Member** of "International Association of Computer Science and Information Technology (IACSIT)", Singapore-609431. (Member No. 80331617)
- e. Member, International Association of Engineers (IEANG), Hong Kong. (Member No: 62559)
- f. **Member**, Science and Engineering Research Division, Computer Research Unit, Athens Institute for Education and Research, ATINER, 8 Valaoritou Street, Kolonaki, 10671 Athens, Greece.
- g. Member of "International Biometric Group", http://www.bio1.com/index.php

Visited Thailand, Malaysia, USA, Maldives, Nepal, Singapore, Korea, Japan, UK, Hanoi, etc., for presenting Research Papers in various IEEE Conferences and for Academic purposes.

Conference Organizing Committee:

- a. Session Chair, IEEE-CICSyN, July 23-25, 2009, Indore, India. http://www.cicsyn2009.org.uk
- b. Local Arrangement Chair and Publicity Chair, ISA 2010, UCMA 2010, AST 2010, and ACN 2010, International Conferences, June 23 ~ 25, 2010, Sheraton Grande Ocean Resort, Miyazaki, Japan. http://www.sersc.org/ISA2010/committee.php
- c. Chair, Publication Committee, UCMA-2011, April 13-15, 2011, Hannam University, Korea.
- d. **Technical Panels Chair**, ICCA 2012, January 27-31, 2012, Pondicherry, India. http://icca.org.in
- e. Publicity Committee Chair, International Conference on Communication Systems and Network Technologies (CSNT-2012), 11-13 May, 2012, Rajkot, Gujrat, India.
- f. Publication Committee Chair, International Conference on Computational Intelligence and Communication Networks (CICN2012). 3-5 November, 2012, GLA University, Mathura, UP, India.
- g. **Steering Committee Co-Chair**, International Conference on Communication Systems and Network Technologies (CSNT-2013), 5-8 April, 2013, Gwalior, MP, India.
- h. **General Chair**, International Conference on Electrical and Electronics Engineering, August 9-11, 2013, Wuhan, China. http://www.iceee2013.org/com.htm
- i. General Chair, 2013 Asia-Pacific Conference on Electrical Engineering and Automation, Dec. 28-30, 2013, in Zhangjiajie, China. http://www.iceeaconf.org/page/html/company.php

Courses taken:

Course Title	Undergraduate / Post Graduate	Institute/University	Batch Strength	Duration
Adv. Java, System Admin., Object Technology, e- Commerce, C- Programming, Image Processing.	Undergraduate	Heritage Institute of Technology, Kolkata, India	90	2005-2009

Unix and Shell Programming. System Admin & Linux, C- Programming and Data Mining, Adv. Networking C-Programming. Undergraduate: B.S. Post Graduate: M.S. Post Graduate: M.S. Post Graduate: B.S. Post Graduate	11 : 101 11	1	1		1
System Admin & Linux, C- Programming Data Warehousing and Data Mining, Adv. Networking C-Programming, Oracle, Java Project, Thesis and Seminar Object Oriented Programming C, C-+, Object Oriented Oriented Programming Languages, C and Java, PPL. Software Architecture Research Poundation Research McHoolology Research Programming Research Ph.D. Research Ph.D. Research KLU Rich Rich RLU Rich Rich Rich Rich RLU Rich Rich Rich RLU Rich Rich Rich Rich Rich Rich Rich Rich					
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C-Programming, Oracle, JavaUndergraduate: B.S.Hannam University, Korea24Project, Thesis and SeminarM.S.Post Graduate: M.S.20PPL, Unix and Shell Programming Distributed Computer Networks & SecurityUndergraduate: B.E.MPCT, Gwalior, India90, 60From Feb, 2011Object Oriented Programming Programming Programming Programming Languages, C and Java, PPLUndergraduate: B.Tech.MSHM Knowledge Campus - DurgapurFrom October 2012 to December 2013Programming Languages, C and Java, PPLUndergraduate: B.Tech.WITT - Vizag602015, 2016, 2017Software Architecture Research Poundation Research MethodologyM.TechBharati Vidyapeeth University182016Research Methodology Advance Unix Programming Distributed Computing, Data ScienceM.TechWITT - Vizag102015Computer Networks & SecurityB.TechKLU70, 702020, 2021Research MethodologyPh.D.KLU342020-21Computer Networks & SecurityB.TechKLU702021-22, 2022-23Big Data Optimization usingB.TechKLU702022-23	_			18	
Oracle, JavaB.S.Hannam University, Korea24Project, Thesis and SeminarM.S.Dost Graduate: M.S.WPCT, Gwalior, India90, 60From Feb, 2011PPL, Unix and Shell ProgrammingB.E.MPCT, Gwalior, India90, 60From Feb, 2011Object Oriented ProgrammingUndergraduate: B. E. Ceh.MCKVIE60From Nov' 2011 to May 2012C, C++, Object Oriented Oriented Oriented ProgrammingUndergraduate: B. Tech.NSHM Knowledge Campus - DurgapurFrom October 2012 to December 2013Programming Languages, C and Java, PPLUndergraduate: B. Tech.VIIT - Vizag602015, 2016, 2017Software ArchitectureM. TechBharati Vidyapeeth University182015Research FoundationM. TechBharati Vidyapeeth University182016MethodologyPh.D.Bharati Vidyapeeth University102015Advance OS, Advance Unix ProgrammingM. TechVIIT - Vizag182016, 2017Distributed Computing, Data ScienceKLU70, 702020, 2021Computer Networks & SecurityM. TechKLU282021Research MethodologyPh.D.KLU342020-21MethodologyPh.D.KLU702021-22, 2022-23Big Data Optimization usingB. TechKLU702022-23					
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Post Graduate Project/Thesis Guidance:

M.Tech : Successfully guided 28 Projects/and Master Thesis.

M.C.A. : Guided 7 Projects.

Consultancy:

- 1. Shrimp Counting, weight and size in AquaExchange Ltd., India. (Heavily IT Infrastructure project).
- 2. Moving Object Recognition, in AquaExchange Ltd., India. (Computer Vision).

Books:

- a. UNIX & SHELL PROGRAMMING, For BCA 3rd. Year 1st. Semester (WBUT Syllabus), MATRIX Educare Pvt. Ltd. 2011.
- b. UNIX & SHELL PROGRAMMING, For MCA 2rd. Year 1st. Semester (WBUT Syllabus), MATRIX Educare Pvt. Ltd. 2009.
- c. COMPUTER PROGRAMMING, For BCA 1st. Year 2nd. Semester (WBUT Syllabus), MATRIX Educare Pvt. Ltd. 2009.
- d. Principles of Programming Languages (PPL), Springer, IE(I) Syllabus.
- e. Object Oriented Programming using Java, Good Land Press, 2010, South Korea, (http://www.soryang.com/)

Ph.D. Students:

Current Ph.D. Students: 03

Ph.D. Awarded: 08

Ph.D. Awarded Student(s):

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Naga Mallik, Ph.D. (IT), Lincoln University, Malaysia, April 2022.

- E. Stephen, Ph.D. (IT), Lincoln University, Malaysia, April 2022.
- B. Vamsi, Ph.D. (IT), Lincoln University, Malaysia, April 2022.
- M. Mahanty, Ph.D. (IT), Lincoln University, Malaysia, June 2022.
- D. Bhanu, Ph.D. (IT), Lincoln University, Malaysia, June 2022.
- MV Naresh, Ph.D. (IT), Lincoln University, Malaysia, August 2022.
- P. Srinivas, Ph.D. (IT), Lincoln University, Malaysia, September 2022.

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