

## **BABUL PRASAD TEWARI , Ph. D [Tech]**

Contact Address: Department of Computer Science & Engineering,  
Indian Institute of Information Technology,  
BCE Campus, Sabor, Bhagalpur 813210.

Email Address: bptewari.cse@iiitbh.ac.in

Contact Number: +916297479700 / +919434313400 (M)

---

### **Education:**

- I. **Ph. D [Tech]** in Computer Science and Engineering  
Research work done at A.C.M.U, **Indian Statistical Institute, Kolkata**, awarded  
By the **University of Calcutta**, Kolkata, March 2019.
- II. **Master of Technology (M. Tech)** in Computer Science and Engineering, University of Kalyani ,  
W. B, India, 81.4%, First Class, 2003-2005.
- III. **Bachelor of Engineering (B.E.)** in Information Technology, University of Burdwan, W. B, India,  
78.4%, First class (Hons.), 1999-2003.
- IV. **Higher Secondary, 74.3%**, First division West Bengal Council of Higher Secondary Education,  
1998.
- V. **Secondary, 75.8%**, West Bengal Board of Secondary Education, 1996.

### **Thesis Title (Ph. D):**

Efficient Frequency Assignment and Association Control in IEEE 802.11 WLAN.

### **Thesis Advisor:**

Dr. Sasthi C. Ghosh, Associate Professor, Advanced Computing and Micro Electronics Unit, Indian Statistical  
Institute, Kolkata.

### **Research Interests:**

1. Wireless Networks.
2. Mobile Computing
3. Wireless Local Area Network.
4. 5G Network and Device to Device (D2D) Communications.
5. Handoff Management.

**Current Position:** Assistant Professor, Department of CSE, Indian Institute of Information  
Technology, Bhagalpur, Bihar, India, Sept. 2020 till date.

### **Professional Membership:**

Computer Society of India, Member ID: F8002151.

### **Professional Services:**

- Reviewer Springer, J. of Ambient Intel. and Humanized Computing (SCIE Journal)
- Reviewer IEEE Access (An SCIE Journal)

## Research Publications

### International Journals :

1. **Babul P. Tewari** and Sasthi C Ghosh, "Efficient AP Placement through Power Control and POC Assignment in 802.11 WLAN", **Springer**, *Wireless Personal Communications*, **Vol. 110**, No. 1, pp. 223-244, **Jan. 2020** (First online Aug. 2019), [DOI: <https://doi.org/10.1007/s11277-019-06723-1>]
2. **Babul P. Tewari** and Sasthi C. Ghosh "Interference Aware Frequency Assignment and Association Control for Uplink and Downlink Traffic in WLAN", **Inderscience**, *Int. J. of Communication Networks and Distributed Systems*, Vol 23, No. 2, pp. 143-171, [DOI: 10.1504/IJCNDS.2019.10021599], **2019**.
3. **Babul P. Tewari** and Sasthi C. Ghosh "Joint Frequency Assignment and Association Control to Maximize the Aggregate Throughput in IEEE 802.11 WLAN", **Springer**, *Wireless Personal Communications*, **Vol. 94**, No. 3, pp. 1193-1221,[DOI: 10.1007/s11277-016-3677-y], **2017**.

### International Conferences :

4. **Babul P. Tewari** and Biplab K. Mondal, "Efficient 802.11 Handoff through Load Aware Channel Probing in IEEE 802.11 WLAN", **12<sup>th</sup> IEEE International Conference on Advanced Networking and Telecommunication Systems (IEEE ANTS)**, DOI: 10.1109/ANTS.2018.8710151, 16<sup>th</sup> – 19<sup>th</sup> Dec. pp. 1-6, **2018**.
5. **Babul P. Tewari** and Sasthi C. Ghosh "Combined Power Control and Partially Overlapping Channel Assignment for Interference Mitigation in Dense WLAN", *Proc. Of the 31<sup>st</sup> IEEE International Conference on Advanced Information Networking and Applications*, Taiwan, (**IEEE AINA**), DOI: 10.1109/AINA.2017.68, pp. 646-653, 27<sup>th</sup>- 29<sup>th</sup> March, **2017**.
6. **Babul P. Tewari** and Sasthi C. Ghosh "Efficient Bonded Channel Assignment in IEEE 802.11 WLAN with Heterogeneous Clients", *Proc. of the 13<sup>th</sup> ACM International Conference on Advances in Mobile Computing & Multimedia*, Belgium, (**MoMM 2015**) ISBN: 978-1-4503-3493-8, doi: 10.1145/2837126.2837151, pp. 203-210, 11<sup>th</sup> – 13<sup>th</sup> Dec. 2015.
7. **Babul P. Tewari** and Sasthi C. Ghosh "Interference Avoidance Through Frequency Assignment and Association Control in IEEE 802.11 WLAN", *Proc. of the 13<sup>th</sup> IEEE International Symposium on Network and Computing Application*, Chembridge, USA, Aug, [**IEEE NCA** ], ISBN 978-1-4799-5392-9, doi: 10.1109/NCA.2014.20 pp. 91-95, 21<sup>st</sup> – 23<sup>rd</sup> August, **2014**.
8. **Babul P. Tewari** and Sasthi C. Ghosh "A Combined Frequency Assignment and AP Scheduling for Throughput Maximization in IEEE 802.11 WLAN", *Proc. of the 11<sup>th</sup> ACM International Conference on Advances in Mobile Computing & Multimedia*, Vienna Austria (**MoMM 2013**) [ISBN 978-1-4503-2106-8], doi: 10.1145/2536853.2536890, pp.133-142, 2<sup>nd</sup> – 4<sup>th</sup> Dec. **2013**.
9. **Babul P. Tewari** and Sasthi C. Ghosh "Joint Frequency Assignment and Optimal Associations between Stations to Access Points in IEEE802.11 WLANs", *Proc. of the 15<sup>th</sup> ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems*, Paphos, Cyprus Island, October 21-25, 2012 (**ACM MSWIM**), ISBN 978-1-4503-1628-6doi: 10.1145/2387238.2387282, pp. 253-260, **2012**.

### **Publications homepage:**

- <https://www.scopus.com/authid/detail.uri?authorId=55488836900>
- <https://scholar.google.co.in/citations?user=29vkWrQAAAAJ&hl=en>
- [https://dblp.org/pers/hd/t/Tewari: Babul\\_P=](https://dblp.org/pers/hd/t/Tewari: Babul_P=)

### **Academic Positions :**

1. Assistant Professor (**Senior grade 8000/- AGP**) Department of CSE, Dr. B. C. Roy Engineering College, Durgapur, W.B. [15600-39100, 8000 AGP] 15<sup>th</sup> January 2014 – 25<sup>th</sup> Sept 2020.
2. Assistant Professor (**AP grade II**) and HOD in Charge, Department of CSE, Supreme Knowledge Foundation Gr. Of Institutions, Mankundu, W. B [ 15600-39100, 7000 AGP] August 2012 – July 2013.
3. Assistant Professor (**AP grade II**) and HOD in Charge, Department of CSE, NSHM Faculty of Engineering and Technology, Durgapur. [15600-39100, 7000 AGP] September 2010 – August 2012.
4. Lecturer Department of CSE, Asansol Engineering College, Asansol. February 2006 – August 2010.

### **Research Experience:**

1. At Advanced Computing and Microelectronics Unit, **Indian Statistical Institute**, Kolkata, Aug. 2011 – March 2019.

### **Teaching Interests:**

1. Software Engineering (CS302) , Currently at IIIT Bhagalpur
2. Object Oriented Programming (CS203), Currently at IIIT Bhagalpur.
3. Data Structure and Algorithm
4. Computer Network
5. Operating System

### **Projects guided:**

1. B. Tech Projects (9)
2. M. Tech Projects (2)

### **Training and short Term courses:**

1. Attended one week Short term training on Micro-Teaching for Teaching Skill Development, NITTTR, Kolkata, **2006**.
2. Attended one week short term course on Soft Computing Techniques and Applications, AEC, NIT Durgapur and NIT Silchar, September **2006**.
3. Attended one week Workshop cum Training Program on Entrepreneurial **2007** CMERI, Durgapur.
4. Undergone one week workshop cum training Program “Mission 10x”conducted by Wipro, **2010**.
5. Attended the workshop on “High Impact Teaching Skills” conducted by Dale Carnegie & Associates, Inc. Trainer and Wipro, **2010**.
6. Attended “National workshop on Network and Distributed Algorithm” March **2014**, ISI, Kolkata.
7. Attended one day seminar on “Advances in Nano-Satellite Technology”, 4th November **2015**, BCREC, Durgapur.
8. Attended one day seminar on “Next Generation Co-operative Networking Systems”, 11<sup>th</sup> April, **2017**, IEI Kolkata and BCREC, Durgapur.

### Major Responsibilities Performed:

1. Served **PG (M.Tech) course coordinator**, Dr. B. C. Roy Engineering College, Durgapur.
2. Served **Chief Coordinator** Mandatory Additional Requirement (MAR) activities, Dr. B. C. Roy Engineering College, Durgapur.
3. Served as **Convener**, Computer Society of India (CSI) student Chapter, Dr. B. C. Roy Engineering College, Durgapur.
4. Served as a HOD in Charge of the CSE department at NSHM, Durgapur.
5. Served as Officer in Charge of University Semester Examination, at NSHM Durgapur.
6. Served as a member of Examination committee at NSHM Durgapur.
7. Served as a Supervisor of University semester Examination at NSHM Durgapur.
8. Served as a Convener of Routine committee at NSHM, Durgapur.

### Personal:

Date of Birth: 1st February 1980.

Father's Name :Dayal Prasad Tewari

Mother's Name : Smt. PutulTewari.

Nationality: Indian

### References:

1. Dr. Sasthi C. Ghosh, Associate Professor, Advanced Computing and Micro Electronics Unit, **Indian Statistical Institute, Kolkata.**  
Contact mail: [sathi@isical.ac.in](mailto:sathi@isical.ac.in),
2. Dr. Dinesh Dash, Assistant Professor, Department of Computer Science and Engineering, **National Institute of Technology, Patna.**  
Contact mail: [dd.dineshdash@gmail.com](mailto:dd.dineshdash@gmail.com),

*Babul Prd. Tewari*

( Dr. BABUL PRASAD TEWARI)