



**Name:** Dr. Suman Bhattacharjee

**Department:** Information Technology

**Contact Nos.:** 9836913399

**Qualifications:** M.Tech (CSE), PhD

**Designation:** Associate Professor

**VIDWAN ID:** 187663

**Experience (Teaching / Research / Industry, in years):** Teaching: 4.5 years, Research: 5 years, Industry: 3 years

**Date of Joining at the Present Institution:** 01-10-2020

**Examinations Cleared:** UGC-NET

**Qualifications Summary (Reverse chronological order):**

Degree	Institute	From - To	Subjects
PhD	IEST, Shibpur	2014-2019	
M.Tech	WBUT	2010-2012	CSE
B.Tech	WBUT	2003-2007	IT

**Experience Summary (In chronological order):**

Technical Associate, Tech Mahindra Ltd., 27-07-2007 to 30-10-2009

Assistant Professor, IEM Kolkata, 01-08-2012 to 20-12-2013

Assistant Professor, UEM Kolkata, 02-07-2018 to 31-05-2019

Assistant Professor, NIT Sikkim, 15-07-2019 to 01-07-2020

Associate Professor, BCREC Durgapur, 01-10-2020 to till date

**Specialization/Research Interest:** Wireless ad-hoc networks, Delay tolerant network, IoT

## **Awards & Recognitions**

**Received “COOKIES” Award (Performance Award) in October, 2008, at Tech Mahindra Limited for performance in the project Network event.**

## **Courses taught:**

**B.Tech: Data Structure and Algorithm (Theory + Lab), Artificial Intelligence, Advanced Computer Networks, Computational Logic, Data mining and data warehousing**

**M.Tech: Artificial Intelligence, Advanced Computer Networks**

## **Online Mode of Teaching:**

Online teaching conducted through Google meet.

## **Publications:**

### **Journal:**

1. **S. Bhattacharjee**, S. Roy and S. Das Bit, “Post-Disaster Map Builder: Crowdsensed Digital Pedestrian Map Construction of the Disaster Affected Areas through Smartphone Based DTN”, Computer Communications, Elsevier, Vol. 134, pp.96-113.
2. **S. Bhattacharjee**, S. Roy and S. Das Bit, “DPDRM: A Decentralized Post-Disaster Resource Management Scheme using Energy Efficient Smart Phone Based DTN”, Journal of Network and Computer Applications, Elsevier, Vol. 111, pp.1-16.
3. **S. Bhattacharjee**, S. Roy, and S. Bandyopadhyay, “Exploring an Energy-efficient DTN Framework Supporting Disaster Management Services in Post Disaster Relief Operation”, Wireless Networks, Springer, Vol. 21(3), pp.1033-1046.

### **Conference:**

1. **S. Bhattacharjee** and S. Das Bit, “EnTER: An Encounter Based Throwbox Deployment Strategy for Enhancing Network Reliability in Post-disaster Scenarios over DTN”, in EmeRTeS workshop of ICDCN 2019, DOI: 10.1145/3288599.3295593
2. **S. Bhattacharjee**, R. Chatterjee, T. Pal and S. Das Bit, “Implementing Multicasting and Broadcasting of Multimedia Data in ONE Simulator”, in SIMUTOOLS 2017, DOI: 10.1145/3173519.3173540
3. **S. Bhattacharjee**, S. Roy, S. Ghosh and S. Das Bit, “Exploring the Impact of Connectivity on Dissemination of Post Disaster Situational Data over DTN”, in ICDCN 2017, DOI: 10.1145/3007748.3007767

4. **S. Bhattacharjee**, S. Kanta, S. Modi, M. Paul and S. Das Bit, "Disaster Messenger: An Android based Infrastructure Less Application for Post Disaster Information Exchange", in IEEE ANTS 2016, DOI: 10.1109/ANTS.2016.7947806

5. **S. Bhattacharjee**, "Poster: Exploring Opportunistic Networks in the Context of Post-Disaster Management Services", in ACM MobiSys 2016, DOI: 10.1145/2938559.2948819

6. **S. Bhattacharjee**, S. Basu, S. Roy and S. Das Bit, "Best-effort delivery of emergency messages in post-disaster scenario with content-based filtering and Priority-enhanced PRoPHET over DTN", in IEEE COMSNETS 2016, DOI: 10.1109/COMSNETS.2016.7439936

7. S. Basu, **S. Bhattacharjee**, S. Roy, and S. Bandyopadhyay, "SAGE-PRoPHET: A Security Aided and Group Encounter based PRoPHET Routing Protocol for Dissemination of Post Disaster Situational Data", in ICDCN 2015, DOI: 10.1145/2684464.2684492

8. D. Goswami, **S. Bhattacharjee**, K. Dutta, "Pattern formation in Heart Rate Variability(HRV) Dynamics", in proceedings of CDSA 2014 Symposium at ISI Kolkata

**Book:**

**Suman Bhattacharjee**, Siuli Roy and Sipra Das Bit, "Post-disaster Navigation and Allied Services over Opportunistic Networks", Springer Singapore, ISBN 978-981-16-1239-8.

**Participation in faculty development programmes**

1. Faculty Development Program on Machine Learning, online, from 28th December 2020 to 8th January 2021, Organized by E & ICT Academy, IIT Kanpur
2. Faculty Development Program on 3D Printing and Design, online, August 17-21, 2021, Organized by Dept. of CSE, BCREC Durgapur

**Membership of professional bodies: Professional member ACM**