

## Achievements 2017

### Ph. D Awarded:

1. Rajdeep Chakraborty, Assistant Professor, Computer Science & Engineering, Netaji Subhas Institute of Engineering, Kolkata, “**An Approach Towards Design and Implementation of Microprocessor and FPGA Based Symmetric Encoder for Embedded System**” awarded Ph. D. (Engg.), Department of Computer Science & Engineering, University of Kalyani, March, 2017
2. Uttam, Kr. Mondal, Assistant Professor, Department of Computer Science & Engineering, Vidyasagar University, Midnapur, India, “**Towards Design and Implementation Of Authentication Techniques To Protect IPR of Quality Songs**” awarded Ph. D. (Engg.), Department of Computer Science & Engineering, University of Kalyani, May, 2017.
3. Kousik Dasgupta, Assistant Professor, Department of Computer Science & Engineering, Kalyani Government Engineering College, Kalyani, India, “Design and Implementation of Steganographic Engine for Secret data sharing and Authentication of Videos: An Overture, awarded 23<sup>rd</sup> June 2017 from department of Computer science & Engineering, University of Kalyani, 2017
4. M Marjit Singh, assistant Professor, Department of Computer Science & Engineering, North Eastern Regional Institute of Science & Technology, Nirjuli, Arunachal Pradesh, India, “Towards Design and Implementation of Reliability and Security Mechanism in Mobile Ad Hoc Network”, 8<sup>th</sup> November 2017, Department of Computer Science & Engineering, University of Kalyani, 2017.

### Scholars Achievements:

- Rajeev Chatterjee, Research Scholar working under my supervision went Bangkok to present the paper “Two dimensional Assessment Technique in CBL” in IEEE Teaching, Assessment, and Learning in Engineering Conference (TALE 2017) at Bangkok, THAILAND, during 7<sup>th</sup> – 9<sup>th</sup> December 2017 at King Mongkut's University of Technology, North Bangkok

### Awards received:

- Rashtriya Pratibha Award, 2017, Indo Socio Development Association, Delhi

### SCI Journal Papers

1. Chakraborty Rajdeep and Mandal J.K., Recursive Substitutions of Bits on Prime-Nonprime Detection of Sub-stream: FPGA Based Non-Feistel Block Cipher, *Microsystem Technology* (**IF:1.581**), Springer, 2017(SCI) (online first) (2017)
2. Amit Kumar Gupta, Jyotsna Kumar Mandal, Indrajit Bhattacharya, Tamal Mondal and Sourav Sanu Shaw, “CTMR-collaborative time-stamp based multicast routing for delay tolerant networks in post disaster scenario”, *Peer-to-Peer Netw. Appl.* (**IF:1.514**), Springer, DOI 10.1007/s12083-016-0533-5, 16th Nov. 2017
3. Singh, M.M. and Mandal, J.K. (2017), “Reliability of MANET under the Influence of Black Hole Attack in Adhoc On Demand Distance Vector Routing Protocol”, *Journal of Scientific and Industrial Research* (**IF:537**), vol 76(07), 2017, pp 423-426, ISSN: 0022-4456. (SCI)(2017)
4. Singh, M.M. and Mandal, J.K., “Logistic regression-based reliability analysis for mobile ad hoc network with fixed maximum speed and varying pause times”, *Journal of Scientific & Industrial Research* (**IF:537**), Vol.76 (02) 2017, pp 81-84, ISSN: 0022-4456(SCI) (2017)

### Edited Volumes as Volume Editor/Corresponding Editor

1. 10th International Conference on Advanced Computing & Communication Technologies’ [10th ICACCT 2016], Asia Pacific Institute of Information Technology, Panipat on 19<sup>th</sup> -20<sup>th</sup> November, 2016, member of editorial Board of the Proceedings published -Advances in Intelligent Systems and Computing(AISC), Springer Verlag, Switzerland Link: <https://books.google.co.in/books?isbn=3319120123>, 2017.
2. First International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA – 2017), during 23-24 March 2017 at Calcutta Business School, Kolkata, member of Editorial Board, Program Chair, Corresponding Editor of the Proceedings to be published - Springer CCIS Series, Springer Verlag, Switzerland, 2017.
3. The International Conference on Computing and Communication Systems - I3CS 2016, NEHU, Shillong, India, during 11-13 November, 2016 at Nehu, Shilong, member of editorial Board, Program Chair, Corresponding Editor of the Proceedings to be published -Lecture Notes in Networks and System, Springer Science, Singapore (2017).

### Invited Talks

No. of Expert/Invited Lecture delivered: 12  
Conference attended: 08

### Expert Lecture:

1. Nature Inspired Cryptographic Techniques based on Neural Synchronization, ISCA, 8<sup>th</sup> January, 2017, Tirupati.
2. Security and Authentication of Digital Media, Special Lecture, Future Institute of Technology, Boral Campus, 28<sup>th</sup> February 2017.

3. Data Modeling and predictive Analysis in Soft Computing, National Workshop on Data Modeling and Predictive Analytics-PADAM-2017 at AUCE (A) during March 18-19, 2017 sponsored by TEQIP Phase II, Andhra University, Andhra Pradesh
4. “Data Modeling and Predictive Analytics on Neural Cryptography for Wireless Communication”, IEEE International Conference on Devices for Integrated Circuit (DevIC 2017), March 23-24, 2017, Kalyani Government Engineering College, Kalyani, West Bengal, India..
5. Data Modeling and Predictive Analytics on Neural Cryptography For Wireless Communication, National Seminar, Vidyasagar University, 31<sup>st</sup> March, 2017.
6. IEEE Expert Lecture at Kalyani Government Engineering College, Security and Authentication in Nonlinear Domain.
7. Wireless and Mobile Communication, Refresher Course, University of Burdwan, 5<sup>th</sup> July, 2017.
8. Expert lecture on 10<sup>th</sup> October 2017 for the students of M Sc and MCA of Vidyasagar University, Security in wired and Wireless Domain.
9. Keynote Address in Regional Student’s Convention, Region II, Eastern Region, at Haldia Institute of Technology, on 9<sup>th</sup> November, 2017
10. Security and Authentication in Mixed Domain, Invited talk, Modern Institute of Engineering, Bandel, West Bengal, 12<sup>th</sup> November 2017.
11. Chaos based security in wireless domain, invited talk at CCSN 2017, Lalit Gate Eastern, Kolkata, 31<sup>st</sup> December 2017.
12. Invited Talk on “Reliability Computation in Wireless Domain”, on 22.12.2017, Techno India University on International Conference, ICCECE-2017.