



Research profile of Computer Science & Engineering & Information Technology Department:

Area of Interest:

The infrastructure, the subject specialization and interest of the faculty members of these two departments have created an environment to develop industry-institute partnership for motivating students to pay interest in research works.

The areas that are mainly covered now to promote research works are:

- *Robotics*
- *Mobile Computing*
- *Mobile Communication*
- *Java & C++*
- *Multimedia*
- *Networking*

Beside these areas plenty of scope is still there to work in other fields depending on the motivation and interest of the students.

List of Publication

1. "LCRACO (Food and Congestion Control Routing Algorithm on Adhoc Network)," **Ditipriya Sinha**, Proceedings of International Workshop on Internet and Distributed Computer System (IDCS'05), IEEE Catalog No. CFP0817D-CDR, Library of Congress: 2008900703, ISBN: 978-1-4244-2136-7.
2. "MALBACO (Multiagent Ant colony Optimization Algorithm),"
3. **Ditipriya Sinha**, Proceedings of National Conference of Device Intelligent System and Communication Networking (AECDISC 2008), pp. 305, 2008.

4. "MMSACO (A New Modified Multiagent Simple Ant Colony Optimisation Algorithm)," **Ditipriya Sinha**, Proceedings of National Conference of Emerging Trends in Computers, Communication and IT (EC²IT – 2009), March 20-21, pp. 205, 2009.
5. "Review Works on Sensor Networks," **Ayon Das**, Proceedings of National Conference of Emerging Trends in Computers, Communication and IT (EC²IT – 2009), March 20-21, pp. 229, 2009.
6. "Feature Selection of Medical Image using Soft Computing," **Paramita Sarkar**, Proceedings of National Conference on ADTECH-SOFT, 2008.
7. "Fuzzy C-Means Algorithm," **Suman Halder**, presented at seminar organized by IEEE Kolkata Chapter.
8. "A New Cluster Based Warm Hole Intrusion Detection Algorithm for Mobile Adhoc Network," **Debdutta Pal**, International Journal of Network Security & its Application, vol. 1, no. 1, April, 2009
9. "BHIDS-A New Based Algorithm for Black Hole Attack," **Debdutta Pal**, Accepted for Publication at WIELY.
10. "Performance Analysis of a Mobile Adhoc Network in Presence of Warm Hole Attack and a New Intrusion Detection Algorithm for Detecting Warm Hole Attack in MANET," **Debdutta Pal**, International Conf. on Computer, Communication, Control and Information Technology (C3IT-09), 2009
11. "WHAM: A New Detection Algorithm for Detecting Warm Hole Attack in MANET," **Debdutta Pal**, Proceedings of National Conference on Device, Intelligent System and Communication and Networking, 2008.
12. "Review on TBRPF Routing and Detecting the Possible Attacks in TBRPF Routing Protocol in Mobile Adhoc Network," **Debdutta Pal**, Proceedings of 4th Innovative Conference on Embedded Mobile Communication and Computing, ICEMC² 2009.
13. "State of the Art Analysis of Intrusion Detection in MANETs Based on Feature Selection & Clustering," **Debdutta Pal**, Proceedings of 1st IEEE WIE National Symposium on Emerging Technology, 2007.