

Dr. (Mrs.) Shahin Ara Begum

Reader

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Educational Background

1. B.Sc., Bangalore University, Karnataka, India
2. M.Sc., Jamia Millia Islamia, New Delhi, India
3. Ph.D., Assam University, Silchar, Assam, India

Teaching Experience

- Data Bases
- Data and File Structure
- Operating Systems
- Computer Graphics
- Design and Analysis of Computer Algorithm
- Software Engineering
- Theory of Computation
- Advanced Computer Architecture
- Fuzzy Set Theory and Applications
- Neural Networks and Applications

Research Interest

Soft Computing Techniques, Pattern Recognition, Data Mining

Ph. D. Supervision

1. O. Mema Devi, Title: *Investigation of Fuzzy Pattern Recognition Techniques for Medical Diagnosis*, on going.
2. Riaj Uddin Mazumder, Title: *Rough-Fuzzy Set Approach to Pattern Classification*, on going.

List of Research Publication

Journal

1. Shahin Ara Begum, Bipul Shyam Purkayastha and Tanmoy Som, A New Cluster Validity Index for Fuzzy Clustering, *International Journal of Computational Intelligence Research* ISSN 0973-1873 Volume 5, Number 4 (2009), pp 403-428.

Conference/Seminar

1. S. A. Begum, B. S. Purkayastha, A. Chakrabarty and T. Som, An efficient *psFCM* Clustering Algorithm, *Proceedings of IEEE International Advance Computing Conference (IACC 2009)*, Patiala, India, 6-7 March 2009.
2. Shahin Ara Begum, Bipul Shyam Purkayastha, Tanmoy Som, Data clustering: An overview from soft computing perspective, *Proceedings of National Conference on Trends in Advanced Computing*, Tezpur, India, 22-23 March 2007.
3. Shahin Ara Begum and Bipul Shyam Purkayastha, Prime Number Generator Algorithm, *Proceedings of National Conference on Recent Developments in Mathematics*, Assam, 22-23 March 2002.