

# Faculty Profile

Name: SUNITA SARKAR

Designation: ASSISTANT PROFESSOR

Department/Centre: COMPUTER SCIENCE

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Educational Qualifications: M.Tech in IT, Tezpur University (2003); Ph.D in Computer Science, Assam University (2016);

Areas of Interest: Natural Language Processing, Data Mining, Computational Intelligence Techniques

Work Experience:

Name of the Organization	Designation	Period		Nature of Post (permanent/temporary/Ad-hoc/ contractual etc.)
		From	To	
Assam University	Assistant Professor	2004	Till date	Permanent

Publications in Peer Reviewed Journals/Book Chapters (Maximum 5)

Authors	Title of the Paper/Chapter	Name of the Journal/Book	Journal/Book details	ISSN/ISBN
S.Sarkar, A.Roy, B.S. Purkayastha	Application of Particle Swarm Optimization in Data Clustering: A Survey	IJCA	Volume 65– No.25, March 2013 Pg. 38-46	0975-8887
S.Sarkar, A.Roy, B.S. Purkayastha	Clustering of Documents using Particle Swarm Optimization and Semantic Information	IJCSIT	Vol. 5 (3) , 2014, 4175-4180	0975-9646
A.Roy, S.Sarkar, B.S. Purkayastha	Knowledge Based Approaches to Nepali Word	IJNLC	Vol. 3, No.3, June 2014, Pg. 51-63	2319-4111

	Sense Disambiguation			
A.Roy, S.Sarkar, B.S. Purkayastha	Some Challenges of Automated Annotation in a Multilingual Scenario	IJRSET	Vol. 3, Issue 12, December 2014, Pg. 18230-18237	2319-8753
S.Sarkar, A.Roy, B.S. Purkayastha	A Comparative Analysis of Particle Swarm Optimization And K-Means Algorithm For Text Clustering Using Nepali WordNet	IJNL	Vol. 3, No.3, June 2014, Pg. 83-92	2319-4111

Peer Reviewed Publications in Proceedings of National/International Conference/Workshop/Symposium (Maximum 5)

Authors	Title of the Paper	Name of the Program and Organizer	Publisher Details	ISBN/ISSN
A.Roy, S.Sarkar, B.S. Purkayastha	A Proposed Nepali Synset Entry and Extraction Tool	6th Global WordNet Conf. Matsue, Japan, 2012		978-80-263-0244-5
S.Sarkar, A.Roy, A. Paul, B.S. Purkayastha	An Experience in Developing the Nepali Sence Tagged Corpus	International Conference on <a href="#">Computing, Communication &amp; Automation (ICCCA)</a> , 15-16 May 2015, Galgotia University, Delhi	IEEE Xplore	
A.Paul, B.S. Purkayastha, S.Sarkar,	Hidden Markov Model Based Part of Speech Tagging for Nepali	International Symposium on Advanced Computing and Communication (ISACC), 2015, 14-15 september., Assam University	IEEE Xplore	
S.Sarkar, A.Roy, A. Paul, B.S. Purkayastha	Clustering of Nepali Documents using Semantics	IMPact of E-Technology on US (IC-IMPETUS), January, 2014 and PES Institutions, Bangalore	TMG	

