

## Prof Sivaji Bandyopadhyay



Department of Computer Science & Engineering  
Jadavpur University  
Kolkata 700 032  
PH:913324146648  
Fax:913324146648

### Education

Degree	Year	University
Ph.D.	1991	Jadavpur University

### Teaching Experience

Name of The Institute	Position Held	Period
Jadavpur University	Professor	2001 to till date
Jadavpur University	Reader	1993 to 2001
Jadavpur University	Lecturer	1989 to 1993

## Experience

<b>Field of Specialization:</b>	Computer Processing of Indian Languages/Database/ Machine Translation
<b>Courses Taught / Teaching</b>	<p>Theoretical:</p> <p>Odd Semester:</p> <ol style="list-style-type: none"><li>1. Advanced Database System (Master of CSE First Year)</li></ol> <p>Even Semester:</p> <ol style="list-style-type: none"><li>1. Natural Language Processing (Master of CSE First Year)</li><li>2. Natural Language Processing (Bachelor of CSE Final Year)</li></ol> <p>Sessional:</p> <p>Odd Semester:</p> <ol style="list-style-type: none"><li>1. Design-I Bachelor of CSE 3rd Year</li><li>2. Digital Circuit Bachelor of CSE 2nd Year</li></ol> <p>Even Semester:</p> <ol style="list-style-type: none"><li>1. Design-II Bachelor of CSE 3rd Year</li><li>2. Microprocessor Lab Bachelor of CSE 2nd Year</li></ol>
<b>Research Area</b>	Language Technology

## Conference Papers Published (218)

<b>Title of the paper</b>	<b>Conference</b>	<b>Year</b>	<b>Role</b>	<b>Vol Number-Page Name</b>
Proceedings of the 4th Workshop on Sentiment Analysis where AI meets Psychology (SAAIP 2016) co-located	25th International Joint Conference on Artificial Intelligence (IJCAI 2016)	2016	S. Bandyopadhyay, D. Das, E. Cambria, and B. G. Patra	1619-
Multimodal Mood Classification - A Case Study of Differences in Hindi and Western Songs	Proceedings of the 26th International Conference on Computational Linguists (COLING-2016)	2016	B. G. Patra, D. Das, and S. Bandyopadhyay	-1980-1989
JU_NLP at SemEval-2016 Task 6: Detecting Stance in Tweets using Support Vector Machines	International Workshop on Semantic Evaluation (SemEval-2016) (NAACL-2016), San Diego, California	2016	B. G. Patra, D. Das, and S. Bandyopadhyay	-452-456
JU_NLP at SemEval-2016 Task 11: Complex Word Identification	International Workshop on Semantic Evaluation (SemEval-2016) (NAACL-2016), San Diego, California	2016	N. Mukherjee, B. G. Patra, D. Das, and S. Bandyopadhyay	-911-915
Mood Classification of Hindi Songs based on Lyrics	12th International Conference on Natural Language Processing (ICON 2015)	2015	B. G. Patra, D. Das, and S. Bandyopadhyay -	

## Journal Papers Published (22)

<b>Title of the paper</b>	<b>Journal of publication</b>	<b>Year</b>	<b>Role</b>	<b>Vol Number- Page Name</b>
Multimodal Mood Classification Framework for Hindi Songs	Computación y Sistemas	2016	B. G. Patra, D. Das, and S. Bandyopadhyay	Vol. 20, No. 3-515-526
Labeling Data and Developing Supervised Framework for Hindi Music Mood Analysis	Journal of Intelligent Information Systems, Springer	2016	B. G. Patra, D. Das, and S. Bandyopadhyay	DOI:10.1007/s10844-016-0436-1-
Aplicación de la implicación textual en un sistema de la validación de respuestas automáticas (An Application of Textual Entailment Recognition in an Answer Validation System)	Research in Computing Science	2013		ISSN 1870-4069, Vol. 62, 2013-pp. 79-94
Phrase-level Polarity Identification for Bengali	CICLing 2010	2013		CICLing 2010, LNCS 6008-
Entailment-based Fully Automatic Technique for Evaluation of Summaries	Research in Computing Science, An open access research journal on Computer science and computer engineering	2013		ISSN 1870-4069, Vol. 65-11-23

## Books Published (2)

<b>Books Title</b>	<b>Publisher Name</b>	<b>Year</b>
A Multilevel Approach to Sentiment Analysis of Figurative Language in Twitter. - B. G. Patra, S. Majumder, D. Das, P. Rosso, and S. Bandyopadhyay	In Computational Linguistics and Intelligent Text Processing (CICLing 2016), A. Gelbukh (Eds.).	2016
Identifying Temporal Information and Tracking Sentiment in Cancer Patients Interviews - B. G. Patra, N. Ghosh, D. Das, and S. Bandyopadhyay	In Computational Linguistics and Intelligent Text Processing (CICLing 2015), A. Gelbukh (Eds.): LNCS 9042	2015

## Awards (1)

Awarded By	Award Name	Year
UGC	University Grants Commission (UGC) Research Award for the IXth Plan Period	1999

## Ph.D Thesis Guidance (12)

Name of The Scholar	Title of The Thesis	Co-Supervisor	Status	Year
Mr. Tapabrata Mondal	Speech to Speech Machine Translation System from Bengali to English	Dr. Srinivas Bangalore, Dr. Sudip Kumar Naskar	Ongoing	2014
Mr. Diapnkar Das	Analysis and Tracking of Emotions in English and Bengali Texts: A computational Approach		Complete	2013
Mr. Braja Gopal Patra	Music Mood Classification - A Multimodal Computational Approach	Dr. Dipankar Das	Ongoing	2013
Mr. Partha Pakray	Answer Validation through Textual Entailment	Prof. (Dr.) Alexzander Gelbukh	Complete	2013
Mr. Kishorjit Nongmeikapam	The Studies on the role of MWE in NLP		Ongoing	2012

## Master Thesis Guidance (9)

Name of The Scholar	Title of The Thesis	Co-Supervisor	Year
	Multiword Expression		2011
	Restricted Domain Procedural QA System (Cooking Recipe as a Case Study)		2010
	A Query Focused Language Independent Multi Document Summarizer and Ad-hoc Monolingual Information Retrieval for English and Bengali		2010
	Identification of MWE in Manipuri		2010
	Studies on Emotion Analysis at Word and Sentence Level		2009

## Project Works (7)

Project Title	Worked As	Funding Agency	Amount	Duration	Period	Status
Development of Dependency Tree Bank for Indian Language	Principal Investigator	DeitY	8114000	3 Years	2013 to 2016	Ongoing
Sentiment Analysis where AI meets Psychology	Principal Investigator	DST India	4500000	4 Years	2010 to 2014	Complete
An advanced platform for question answering systems	Principal Investigator	DST India	1192000	3 years	2010 to 2013	Complete
Answer Validation through Textual Entailment	Principle Investigator	CONACYT-DST India	2600000	3 years	2010 to 2012	Ongoing
Development of English to Indian Languages Machine Translation (E-ILMT) Systems	Principle Investigator	Ministry of Communications & Information Technology, Government of India	4259000	3 years	2006 to 2010	Complete

## Invited Lectures (4)

<b>Title</b>	<b>Organized By</b>	<b>Venue</b>	<b>Year</b>
Multilingual Named Entity Recognition	IJCNLP 2008 Workshop on NER for South and South East Asian Languages	January 12, 2008, IIIT, Hyderabad, India	2008
Statistical Machine Translation	IASNLP 2008 IIIT-Hyderabad Advanced School on Natural Language Processing	May 26th - June 9th, Hyderabad, India, Summer 2008	2008
Automatic Summarization	Summer Workshop on Ontology, NLP, Personalization and IE/IR	July 16th-18th, 2008, IITB, Mumbai 5. Topic: Question Answering Summer School on Natural Language Processing and Text Mining	2008
Phrase based Statistical Machine Translation	TCS NLP Winter School 2008	IIIT, Hyderabad, India	2007

## Membership of Learned Societies (2)

<b>Title</b>
Association for Computational Linguistics (ACL)
Asia-Pacific Association for Machine Translation (AAMT)