

Name :DIGANTA BAISHYA



Department : COMPUTER SCIENCE AND ENGINEERING
pRESENT designation : ASSOCIATE PROFESSOR

Area of Interest: Natural Language Processing, Algorithm, Artificial Intelligence

Contact Details

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Education Qualification (Graduation onwards):

Examination	Degree	Institute/University	Class/Grade
BE/B. Tech	B.E./ B.Tech	JEC/ DIBRUGARH UNIVERSITY	1 st
M. Tech/ME	M.E./ M.Tech	IIT GUWAHATI	1 st
Other examination	PhD	JEC/ASTU	Pursuing

PUBLICATION:

1. Diganta Baishya and Rupam Baruah, "Highly Efficient Parts of Speech Tagging in Low Resource Languages with Improved Hidden Markov Model and Deep Learning" International Journal of Advanced Computer Science and Applications(IJACSA),12(10),2021. <http://dx.doi.org/10.14569/IJACSA.2021.0121011>

2. Diganta Baishya, Pradip K. Das, and Dipsikha Phukan. "Intelligent Prescription Reader: A Smart Health Tracking Application." 2020 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA). IEEE, 2020.

3. Diganta Baishya, and Pradip K. Das. "Improving windows tasks recognizer for Assamese using bigram analysis." 2014 International Conference on Audio, Language and Image Processing. IEEE, 2014.

4. Diganta Baishya, Pradip K Das "Effect of End Sections in Speech Recognition", Proc. Of ICAET-2014, ISBN : 978-1-63248-028-6 doi: 10. 15224/978-1-63248-028-6-01-05

5.Diganta Baishya and Rupam Baruah " Present state and future scope of Assamese text processing", 11th International Conference on computer communication and informatics 2021 (27-29 Jan 2021)

6. Diganta Baishya and Rupam Baruah "Improving Hidden Markov Model for very low resource languages: An analysis for Assamese part of speech tagging", 11th International Conference , CONFLUENCE 2021.

Experience

Designation	Employer	Period Of Service From : To
Associate Professor	Jorhat Engineering College	10 th January 2021 till date
Assistant Professor	Jorhat Engineering College	10 th January 2007 Till 9 th January 2021
Assistant Engineer	A State Electricity Board	20/12/2005 9/1/2007: 1 Year 1 Month
Assistant Project Engineer	IIT Guwahati	18/10/2005 13/12/2005: 2 Months
Assistant Project Engineer	IIT Guwahati	1/4/2005 30/9/2005: 6 Months
Assistant Project Scientist	IIT Guwahati	13/10/2004 12/3/2005: 5 Months
Technical Trainer	Orane Technologies	December 2003 June 2004: 7months

FDPs/REFRESHER COURSES:

NAME OF THE COURSE/SUMMER SCHOOL	DURATION	VENUE/SPONSORING AGENCY
COMPUTER NETWORK WITH REF TO WEB TECHNOLOGY	TWO WEEK	NERIM.AICTE
VLSI DESIGN, VERIFICATION AND TEST	ONE WEEK	IITG, AICTE
WINTER SCHOOL ON SPEECH AND AUDIO PROCESSING	ONE WEEK	IITG
SOFT SKILL DEVELOPMENT	TWO WEEK	JEC
VLSI ARCHITECTURE FOR IMAGE AND VIDEO PROCESSING	ONE WEEK	IIT GUWAHATI
DEVELOPMENT OF PRONUNCIATION LEXICON BASED ON EXPERIMENTAL STUDY OF PHONETICS AND PHONEMICS OF INDIAN LANGUAGES	THREE WEEK	IITG, DIT, GOVT. OF INDIA
TECHNICAL SKILL DEVELOPMENT: MATLAB WITH HANDS ON TRAINING	TWO WEEKS	JEC(NEQIP)
COURSE MANAGEMENT SYSTEM: MOODLE WITH HANDS ON TRAINING	ONE WEEK	JEC(NEQIP)
ANDROID AND BIG DATA	TWO WEEKS	JEC(NEQIP)
TASK BASED TRAINING	FOUR WEEKS	IIT BOMBAY
SHORT TERM COURSE ON SOFT SKILL DEVELOPMENT	ONE WEEK	JEC
TWO WEEKS SHORT TERM COURSE ON GRADUATE EMPLOYABILITY SKILLS	TWO WEEK	JEC

TWO WEEKS SHORT TERM COURSE ON FACULTY INDUCTION	TWO WEEK	JEC & NITTR
FDP ON DISCRETE MATHEMATICS	ONE WEEK	NITTR
TWO WEEK FDP ON VLSI DESIGN	TWO WEEK	AEC,TEQIP
TWO WEEK FDP ON MACHINE LEARNING AND PYTHON PROGRAMMING	TWO WEEK	AEC,TEQIP
DEEP LEARNING FOR MEDICAL DATA ANALYSIS, VISUALIZATION AND PREDICTION	ONE WEEK	EDUEX LAB
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING USING PYTHON	TWO WEEK	FINLAND LABS
ON ARTIFICIAL INTELLIGENCE & MACHINE LEARNING USING PYTHON" DATA SCIENCE	ONE WEEK	NIT ARUNACHAL PRADESH
BASICS OF BIOINFORMATICS	TWO WEEK	NIT WARANGAL