



Dr. B Padmaja Rani

Ph.D

Professor

Computer Science & Engineering

Areas of Interest:

Information Retrieval Embedded Systems.

Natural Language processing

Data Leakage Prevention

Big Data

Information Security

Cloud Computing

► Professional Experience

- ► Industrial Experience

- ► Testing Engineer, FUTURETECH Pvt Ltd (1996 - 1997)

- ► Teaching Experience

- ► Assistant Professor, ANWARUL ULOOM College of Engg & Tech (1-09-1999 - 10-10-2000)

- ► At JNTUH

- ► Professor, JNTUH (2009 - Till Date)
- ► Associate Professor, JNTUH (2003 - 2009)
- ► Assistant Professor, JNTUH (2010 - 2003)

- ► Publications

- **International Journals**

- ▶ G.Nagaraju, N. Mangathayaru, B.Padmaja Rani, *INTEGRATING TRANSITION AND GRAPH BASED DEPENDENCY PARSERS USING ENSEMBLED AND STACKING APPROACHES FOR PARSING TELUGU LANGUAGE*, International Journal of Advanced Research in Engineering and Technology (IJARET), ISBN No. 0976-6480, Vol No.12, Issue No.2, pp.96-105, IAEME, February, 2021
- ▶ Nimmala Mangathayaru, Padmaja Rani, Vinjamuri Janaki, Kalyanapu Srinivas, *An Attention Based Neural Architecture for Arrhythmia Detection and Classification from ECG Signals*, Computers, Materials & Continua, Vol No.69, Issue No.2, pp.2425-2443, Tech Science Press, April, 2021
- ▶ Srinivas Mekala, Dr. B. Padmaja Rani, *KERNEL PCA BASED DIMENSIONALITY REDUCTION TECHNIQUES FOR PREPROCESSING OF TELUGU TEXT DOCUMENTS FOR CLUSTER ANALYSIS*, International Journal of Advanced Research in Engineering and Technology (IJARET), ISBN No.0976-6480, Vol No.Volume 11, Issue No.Issue 11, pp.1337-1352, IAEME, November, 2020
- ▶ Srivani B, Sandhya N, B.Padmaja Rani, *Literature review and analysis on big data stream classification techniques*, International Journal of Knowledge-based and Intelligent Engineering Systems, Vol No.24, Issue No.3, pp.205-215, September, 2020
- ▶ Neeraja Koppula, **B. Padmaja Rani**, Koppula Srinivas Rao, *Query Expansion using Semantic Network for Information Retrieval in Telugu Language*, International Journal of Recent Technology and Engineering (IJRTE), ISBN No.2277-3878 (Online), Vol No. Volume-8, Issue No.Issue-2, pp.874-877, Published by Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP), July, 2019
- ▶ Palanati Durga Prasad, K.V.N.Sunitha, B.Padmaja Rani, *Word N-Gram Based Approach for Word Sense Disambiguation in Telugu Natural Language Processing*, International Journal of Recent Technology and Engineering (IJRTE), ISBN No.2277-3878, Vol No.Volume-7, Issue No.Issue-6S4, pp.686-690, Blue Eyes Intelligence Engineering & Sciences Publication, April, 2019
- ▶ G Nagaraju, **B. Padmaja Rani**, *MST Parser for Telugu Language*, ICCII-2018, Springer, 2018
- ▶ Subhashini Peneti, **B. Padmaja Rani**, *Data Leakage Prevention Solutions Based on state of the Data*, IRACSIT, ISBN No.2249-9555, Vol No.8, Issue No.2, International Journal of Computer Science and Information Technology & Security, April, 2018
- ▶ SwapnaNarala, **B. Padmaja Rani**, *Telugu Text Categorization using Language Models*, Global journal of Computer science and Engineering: Information & Technology, ISBN No.0975-4172, Vol No.16, Issue No.4, 2016
- ▶ N.Swapna, **B. Padmaja Rani**, *Analysis of Pseudo N-Gram Model on Telugu Document Classification*, International Journal of Emerging Technology and Advanced Engineering(IJETAE), ISBN No.2250-2459, Vol No.6, Issue No.10, Oct, 2016
- ▶ S Rama krishna , B Padmaja Rani, *Secure Content Sharing Using Key Aggregation in Cloud*, International Journal of Advanced Technology and Innovative Research, ISBN No.ISSN 2348-2370 , Vol No.8, Issue No.1, pp.164-169, january , 2016
- ▶ S Rama krishna, B Padmaja Rani, *Access Controlling of Data Stored In Cloud in a Decentralized Manner with Anonymous Authentication*, International Journal of Advanced Technology and Innovative Research, ISBN No.2348-2370, Vol No.8, Issue No.2, pp.290-295, february , 2016
- ▶ Neeraja, **B. Padmaja Rani**, *Graph Based Word Sense Disambiguation*, ICCII -2016, pp.635, Springer, 2015
- ▶ subhashini peneti, Padmaja Rani B, *Confidentila data identification using data mining techniques in data leakage prevention*, IJDKP, Vol No.5, Issue No.10.5121/ijdkp.2015.5505, pp.65-73, IJDKP, september, 2015
- ▶ S Rama krishna, B Padmaja Rani, *Customizable Compact Key framework for secure cloud access contro*, International Journal of Emerging Trends in Engineering Research, ISBN No.ISSN 2347-3983, Vol No.3, pp.356-361, 2015
- ▶ Neeraja, B Padmaja Rani, *Approaches for Word Sense Disambiguation :Current State of the Art*, International Journal of Electronics Communication and Computer Engineering(IJECCE, Vol No.6, Issue No.5, pp.197-201, 2015
- ▶ S Rama Krishna, B Padmaja Rani, *Security Enhancement through Fine Grained Access Control in Cloud Computing*, International Journal of Advanced Research in Computer Science, ISBN No.0976-5697., Vol No.4, November, 2013
- ▶ Kolikipogu Ramakrishna, B.Padmaja Rani, *WordNet Based Term Selection for Pseudo Relevance Feedback Query Expansion Model*, International Journal of Modeling and Optimization, Vol No.4, Issue No.2, IACSIT press, Singapore, August, 2012
- ▶ A.V. Krishna Prasad Dr. S. Rama Krishna Dr. B.Padmaja Rani, M.Upendra Kumar, *Mining approach for Business Intelligence to improve insights of web Engineering Applications*, International Journal of Computer Science and Information Technologies , Vol No.2, Issue No.1, Tech Science Publications, Jan, 2011
- ▶ A.V. Krishna Prasad Dr. S. Rama Krishna Dr. B.Padmaja Rani, M.Upendra Kumar, *Web Services Mining using Agile Modeling of Business Intelligence Web Applications*, International Journal of Computer Science, Vol No.8, Issue No.1, IJCSI Press, SoftwareFirst Ltd, Republic of Mauritius, January, 2011
- ▶ Kolikipogu Ramakrishna, B.Padmaja Rani, *A Novel Model for Timed Event Extraction and Temporal Reasoning in Legal text Documents*, International Journal of Computer Science & Engineering Survey (IJCSSES), Vol No.2, Issue No.1, pp.39-42, AIRCC Publishing Corporation, Feb , 2011
- ▶ Dr. B.Padmaja Rani, *Novel Implementation of Search Engine for Telugu Documents With Syllable N-Gram Model*, International Journal of Engineering Science and Technology (IJEST), Vol No. 2 , Issue No.4, Engg Journal Publications, August, 2010
- ▶ A.V. Krishna Prasad, Dr. B.Padmaja Rani,, *Extraction of Radiology Reports using Text Mining*, International Journal of Computer Science and Engineering IJCSE, Vol No.2, Issue No.5, Engg Journal Publications, SIPS Technologies , August, 2010
- ▶ Dr. B.Padmaja Rani, *Architecting Secure Web Services using Model Driven Agile Modeling*, International Journal of Engineering Science and Technology (IJEST), Vol No.2, Issue No.9, Engg Journal Publications, Sep, 2010
- ▶ M.Upendra Kumar, Dr. B.Padmaja Rani,, *Layered Security Architectures Requirements using MDA and Agile Modeling*, International Journal of Engineering and Technoscience IJETS, Vol No.1, Issue No.2, pp.82-88, Tech Science Publications, Dec, 2010
- ▶ D. Shravani, Dr. B.Padmaja Rani,, *Web Services Security Architectures Composition and Contract Design using RBAC*, International Journal of Computer Science and Engineering IJCSE, Vol No.2, Issue No.8, pp.2609-2615, Engg Journal Publications, SIPS Technologies , Nov, 2010
- ▶ A.V. Krishna Prasad, Dr. B.Padmaja Rani,, *Software Architectures Design Pattern Mining for Security Engineering*, Journal of Computer Science and Information Technologies IJCSIT, Vol No.1, Issue No.5, pp.408-413, Tech Science Publications, Nov, 2010
- ▶ M.Upendra Kumar Dr. D.Sravan Kumar Dr. B.Padmaja Rani, D. Shravani, *Layered Security Architectures Requirements using Model Driven Architecture Agile Modeling*, International Journal of Computer Information Systems IJCIS, Vol No.1, Issue No.5, pp.7-12, Silicon valley publishers, Dec, 2010
- ▶ N Mangathayaru, **B. Padmaja Rani**, *Dependency Parser for Telugu Language*, Second International Conference on Information and Communication Technology for Competitive Strategies, Issue No.2016, pp.3-4, ACN
- ▶ A.V. Krishna Prasad Dr. S. Rama Krishna Dr. B.Padmaja Rani, M.Upendra Kumar, *Designing Business Intelligence Mining for Web Engineering Applications*, International Journal of Scientific and Engineering Research IJSER, Research Publication IJSER, USA

International Conference

- Nimmala Mangathayaru, B. Padmaja Rani, V Janaki, Sai Mohan Gajapaka, Shilhora Akshay Patel, Lalith Bharadwaj, *An Imperative Diagnostic Model for Predicting CHD using Deep Learning*, 2020 IEEE International Conference for Innovation in Technology (INOCON), November, 2020
- B. Mathura Bai, N. Mangathayaru, B. Padmaja Rani, *Diabetes Complications Prediction Using Different Multi-label Classification Algorithms-MEKA*, ICICCT 2019 "System Reliability, Quality Control, Safety, Maintenance and Management, ISBN No.978-981-13-8460-8, pp.386-396, Applications to Electrical, Electronics and Computer Science and Engineering, January, 2019
- Aruna Mailavaram, **B. Padmaja Rani**, *Big Data: Scalability Storage*, Innovations in Computer Science and Engineering Proceedings of the Sixth ICICSE 2018, ISBN No.2367-3370, pp.473-482, August, 2018
- N. Swapna, B. Padmaja Rani, *An Approach for Telugu Morpheme Identification Using Standard Deviation*, (ICCII)-2016, May, 2016
- Subhashini peneti, Padmaja Rani B, *Data Leakage Prevention system with Time stamp*, International Conference on Information Communication and Embedded Systems (ICICES), ISBN No.10.1109/ICICES.2016.7518934, pp.1-4, IEEE, February, 2016
- S Rama krishna, B Padmaja Rani, *Virtualization Security Issues and Mitigations in Cloud Computing*, ICCII-2016, Springer, May, 2016
- Subhashini Peneti, Padmaja Rani B, *Confidential Terms Detection Using Language Modeling Technique in Data Leakage Prevention*, second international conference on computer and communication Technologies, ISBN No.978-81-322-2525-6., Vol No.381, pp.271-279, Springer, July, 2015
- Subhashini Peneti, Padmaja Rani B, *Detection Of Context Terms For A Confidential Term Using Dirichlet Smoothing Technique In Data Leakage Prevention*, ICCCCIT, ISBN No.978-93-85225-46-8, pp.22-26, September, 2015
- Subhashini Peneti, Padmaja Rani B, *Data Leakage Detection and Prevention Methods : Survey*, IEEECON/E3COS, pp.194-198, March, 2015
- Subhashini Peneti, Padmaja Rani B, *A Survey on Usage of Flying Ad-Hoc Networks for Providing Communication Between UAVs in Multi-UAV System*, ICRAMAV, ISBN No.9789351071693, pp.335-338, Elsevier, November, 2013

National Conference

- Swapna Narala, B Padmaja Rani, *A New language Independent Stemming Approach For Telugu Script*, RICSIT-2018, 2018
- **Events Participated/Organized**

Organized

- Organized a Conference on 3rd International Conference on Computational Intelligence & Informatics, CSE Dept, JNTUHCEH, 27-12-2018 to 29-06-2018
- Organized a Conference on 2nd International Conference on Computational Intelligence and Informatics, CSE Department, JNTUHCEH, 25-09-2017 to 27-09-2017
- Organized a Conference on 1st International Conference on Computational Intelligence and Informatics, JNTUH, 28-05-2016 to 30-05-2016

Presented

- Presented a paper in *An Imperative Diagnostic Model for Predicting CHD using Deep Learning*, Bangalore, India, 06-11-2020 to 08-11-2020
- Presented a paper in *Diabetes complications prediction using different multi-label classification algorithms-MEKA*, BVRIT Hyderabad College of Engineering for Women, Hyderabad, 09-01-2019 to 11-01-2019
- Presented a paper in *Big data: Scalability Storage*, Guru Nanak Institutions, Dept of CSE/IT, Hyderabad, 17-08-2018 to 18-08-2018
- Presented a paper in *N-Gram Based Document Classification of Phonetic Based Language "A Case Study on Telugu Script*, KLCE, Vijayawada, 01-02-2015 to 03-02-2015
- Presented a paper in *Information Retrieval in Indian Languages : Query Expansion Models for Telugu Language as a Case Study*, Qinhuaangdao, China, 05-11-2010 to 07-11-2010
- Presented a paper in *Development of Spatial Image Classification Techniques using Neural Networks*, Development of Spatial Image Classification Techniques using Neural Networks, 22-10-2010 to 23-10-2010
- Presented a paper in *2008 IEEE World Congress on Computational Intelligence*, Hong Kong, 01-06-2008 to 06-06-2008

Administrative Positions Held

- Coordinator, TEQIP III, JNTUH, 10 Jan 2017 - Present
- IT Incharge, JNTUHCEH, 06 Jan 2015 - 07 Jun 2016
- HOD, JNTUHCEH, 29 Sep 2012 - 14 Oct 2014

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Computer Science & Engineering

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