



## **Dr. J Ujwala Rekha**

Ph.D(CSE)

**Professor**

Computer Science & Engineering

### **Areas of Interest:**

Dr. J. Ujwala Rekha is specialized in Computer Science and Engineering, and her teaching interests include, Algorithms, Formal Languages and Automata Theory, Compiler Design, Artificial Intelligence, Datamining and Warehousing, Computer Networks and Computer Architecture. Her research interests include Distributed Computing and Automatic Speech Recognition.

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### **- ▶ Educational & Professional**

#### **- ▶ Academic Qualifications**

- ▶ Ph.D in Computer Science and Engineering, JNTUH (2010-2015)

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M.Tech in CS, JNTU (2007-2010)

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B.Tech in Computer Science and Engineering, JNTU (1998-2002)

#### **- ▶ At JNTUH**

- ▶ Assistant Professor, JNTUH College of Engineering Hyderabad, Telangana (2004 - Till Date)

- ▶ Assistant Professor, JNTUH College of Engineering, Anantapur, Andhra Pradesh (2003 - 2004)

#### **- ▶ Publications**

### - International Journals

- ▶ **J. Ujwala Rekha**, K. Shahu Chatrapati, *Probabilistic Multiple Correlation based Term Weighting Scheme for Measuring Similarity of Unstructured Text Records*, Indian Journal of Science and Technology, ISBN No.0974-5645, Vol No.13, Issue No.11, pp.1276-1282, iSee, May, 2020
- ▶ **J. Ujwala Rekha**, *Instant Fuzzy Search using Probabilistic-Correlation based Ranking*, Indian Journal of Science and Technology, ISBN No.0974-5645, Vol No.13, Issue No.11-1270, 1275, May, 2020
- ▶ **J. Ujwala Rekha**, K. Shahu Chatrapati, *Competitive Equilibrium based Personal Data Market Model*, Indian Journal of Science and Technology, ISBN No.0974-5645, Vol No.13, Issue No.13, pp.1450-1457, iSee, May, 2020
- ▶ K. Shahu Chatrapati, **J. Ujwala Rekha**, A. Vinaya Babu, *Competitive equilibrium approach for load balancing a data grid*, International Journal of Computer Science Issues, Vol No.8, Issue No.2, pp.427-437, 2011
- ▶ K. Shahu Chatrapati, **J. Ujwala Rekha**, A. Vinaya Babu, *Competitive equilibrium approach for load balancing a computational grid with communication delays*, Journal of Theoretical and Applied Information Technology, Vol No.19, Issue No.2, pp.126-133, 2010

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### International Conference

- ▶ **J. Ujwala Rekha**, K. Shahu Chatrapati, A. Vinaya Babu, *A study on speech processing*, International Conference on Information Systems Design and Intelligent Applications, pp.209-226, Springer India, 2016
- ▶ **J. Ujwala Rekha**, K. Shahu Chatrapati, A. Vinaya Babu, *Game theory and its applications in machine learning*, International Conference on Information Systems Design and Intelligent Applications, Issue No.195, pp.207, 2016
- ▶ **J. Ujwala Rekha**, K. Shahu Chatrapati, A. Vinaya Babu, *Feature selection for phoneme recognition using a cooperative game theory based framework*, International Conference on Multimedia, Communication and Computing Application (MCCA 2014), pp.191-195, CRC Press, May, 2015
- ▶ **J. Ujwala Rekha**, K. Shahu Chatrapati, A. Vinaya Babu, *Feature selection using game theory for phoneme based speech recognition*, International Conference on Contemporary Computing and Informatics (IC3I), pp.962-966, IEEE, 2014
- ▶ **J. Ujwala Rekha**, K. Shahu Chatrapati, A. Vinaya Babu, *Game theoretic approach for automatic speech segmentation and recognition*, IEEE 28th Convention of Electrical & Electronics Engineers in Israel (IEEEI), pp.1-5, IEEE, 2014
- ▶ K. Shahu Chatrapati, **J. Ujwala Rekha**, A. Vinaya Babu, *Recursive Competitive Equilibrium Approach for Dynamic Load Balancing a Distributed System*, International Conference on Distributed Computing and Internet Technology, Vol No.LNCS 6536, pp.162-174, Springer-Verlag Berlin Heidelberg, 2011
- ▶ K. Shahu Chatrapati, **J. Ujwala Rekha**, A. Vinaya Babu, *A Study on Load Balancing in Grid Networks*, Joint International Conference on Swarm, Evolutionary & Memetic Computing (SEMCCO) and Fuzzy & Neural Computing Conference (FANCCO), pp.78-81, December, 2011
- ▶ *Competitive Equilibrium Theory and Its Applications in Computer Science*, International Conference on High Performance Architecture and Grid Computing, Vol No.CCIS 169, pp.539-547, Springer Berlin Heidelberg, 2011
- ▶ K. Shahu Chatrapati, **J. Ujwala Rekha**, A. Vinaya Babu, *Competitive Equilibrium Approach for Load Balancing in Computational Grids*, International Conference on Advances and Emerging Trends in Computing Technologies, pp.63-68, June, 2010

## - ▶ **Events Participated/Organized**

### - **Organized**

- ▶ Organized a Workshop on Cyber Security and Ethical Hacking, JNTUH, 08-02-2020 to 09-02-2020
- ▶ Organized a Workshop on Emerging Trends in Cloud Computing, Dept. of CSE, JNTUH College of Engineering Hyderabad, 21-12-2015 to
- ▶ Organized a Workshop on Ethical Hacking, Dept. of CSE, JNTUH College of Engineering Hyderabad, 17-03-2012 to
- ▶ Organized a Workshop on Two-day workshop on Android OS, Dept. of CSE, JNTUH College of Engineering Hyderabad, 16-03-2012 to 17-03-2012

### - **Co-ordinated**

- ▶ Coordinated for a Symposium on *Quest 2012*, Dept. of CSE, JNTUH College of Engineering Hyderabad, 17-03-2012 to
- ▶ Coordinated for a Refresher Course on *Recent Trends in Web Data Mining*, UGC-Academic Staff College, JNTUH, 21-11-2011 to 12-12-2011
- ▶ Coordinated for a Refresher Course on *Advanced Trends in Web Mining and Data Warehousing*, UGC-Academic Staff College, JNTUH, 18-10-2010 to 08-11-2010

### - **Presented**

- ▶ Presented a paper in *2014 IEEE 28th Convention of Electrical and Electronics Engineers in Israel*, Israel, 03-12-2014 to 06-12-2014
- ▶ Presented a paper in *International Conference on Contemporary Computing and Informatics*, Sri Jayachamarajendra College of Engineering, Mysore, 27-11-2014 to 29-11-2014
- ▶ Presented a paper in *7th International Conference on Distributed Computing and Internet Technology*, KIIT University, Bhubaneswar, 09-02-2011 to 12-02-2011

### - **Participated**

- ▶ Participated in a Workshop on *Pre-Conference Workshop on "Data Analytics and Information Processing"*, Dept. of CSE, JNTUH College of Engineering Hyderabad, 28-05-2016 to
- ▶ Participated in a Workshop on *National-Level Faculty Development Program on "Machine Learning"*, Dept. of CSE, JNTUH College of Engineering Hyderabad, 11-04-2016 to 16-04-2016
- ▶ Participated in a Workshop on *One-week Faculty Development Programme on "Software Engineering"*, Dept. of CSE, JNTUH College of Engineering Hyderabad, 22-03-2016 to 27-03-2016
- ▶ Participated in a Workshop on *One week Faculty Development Program on Information Storage and Management*, Dept. of CSE, JNTUH College of Engineering Hyderabad, 01-06-2015 to 06-06-2015
- ▶ Participated in a Workshop on *Three Day Faculty Development Program on "Architectural Design using UML"*, Dept. of CSE, JNTUH College of Engineering Hyderabad, 26-02-2015 to 28-02-2015
- ▶ Participated in a Conference on *First International Conference on Rough Sets and Knowledge Technologies-2014*, JNTUH College of Engineering Hyderabad, 09-11-2014 to 11-11-2014
- ▶ Participated in a Refresher Course on *Open Source Software in Academic Institutions*, UGC-Academic Staff College, JNTUH, 14-02-2011 to 10-03-2011
- ▶ Participated in a Orientation Course on *16th Orientation Course*, UGC-Academic Staff College, JNTUH, 02-03-2010 to 31-03-2010
- ▶ Participated in a Workshop on *Advanced Web Technologies*, Dept. of CSE, JNTUH College of Engineering Hyderabad, 25-05-2009 to
- ▶ Participated in a Workshop on *Matlab Programming and Applications-MPA 2007*, JNTU College of Engineering, Hyderabad, 29-01-2007 to 02-02-2007
- ▶ Participated in a Refresher Course on *Mobile Computing*, UGC-Academic Staff College, JNTU, 08-11-2004 to 30-11-2004

- ▶ **Honors & Professional Activities**

- ▶ **Professional Activities**

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- Chaired a technical session in the 1st International Conference on Computational Intelligence and Informatics (ICCII-2016) held during May 28-30, 2016 at JNTUH

- Chaired a technical session in the 4th International Conference on Innovations in Computer Science and Engineering (ICICSE-2016) held during July 22-23, 2016 at Gurunanak Institution.

- ▶ **Administrative Positions Held**

- ▶ Officer-in-Charge, Exam Branch, JNTUH University College of Engineering, Science and Technology, 15 Jul 2021 - Present

**Contact :**

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