Dr. RAJESWARA RAO RAMISETTY

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Academic Position

Professor of CSE & Vice Principal

Department of Computer Science and Engineering

UNIVERSITY COLLEGE OF ENGINEERING, VIZIANAGARAM

JNTUK Kakinada, Andhra Pradesh, India

Emai:raob4u@jntukucev.ac.in; rajaraob4u@gmail.com

Contact: 9959559456

Personal Information

Father Name	Sri. R. Subba Rao
Date of Birth	November 13, 1976
Nationality	Indian
Marital Status	Married

Academic Qualifications

Post Doc. University of Missouri-Columbia (May2019 to August 2019)

Ph.D. Oct, 2010
Department of Computer Science & Engineering,

JNTUH, Hyderabad, Andhra Pradesh, India.
❖ **Advisor: Prof. V. Kamaskhi Prasad**

❖ **Area of Study: Speech Processing**

M.Tech., Computer Science & Engineering, 2003

❖ JNT University, Hyderabad, Andhra Pradesh, India.

❖ Division: Distinction (79%)

B.Tech., Computer Science & Engineering, 1999

❖ Acharaya Nagarjuna University (Siddhartha Engineering College,Vijayawada), Andhra Pradesh, India.

Division: Distinction (71%)

Honors

- ❖ State level committee member for Curriculum Development for the state **of Andhra Pradesh appointed by AP-State Council for Higher Education (APSCHE**) for Computer Science & Engineering
- ❖ Confidential Team Member **EAMCET-2014, EAMCET-2017**
- ❖ Confidential Team Member **AP-POLICE RECRUITMENT BOARD 2016, 2017**
- ❖ Academic advisor to **National Cyber Safety and Security Standards (NCSSS),Newdelhi**
- ❖ **Sr. Member-IEEE, MCSI**
- ❖ **Expert Visit Committee (EVC) Member** -AICTE
- ❖ Resource Person on **Out Come Based Education (OBE)**
- ❖ Resource Person to UGC-Academic Staff College, JNTU-Hyderabad.
- ❖ Member, Editorial Board of International Journal of Soft Computing and Engineering (IJSCE).
- ❖ Member, Editorial Board of Seventh Sense Research Group
- ❖ Member, Board of Studies-JNTUK University College of Engineering, Vizianagaram
- ❖ Member, Faculty Selections for Private Colleges, JNTUK,Kakinada

Administrative Positions Held
at JNTUK-UCEV :
- ✓ **Head of the Department, 18th January 2016, 16th December 2018**
- ✓ **Officer In-Charge of Hostel, June, 2013 to Jan, 2017**
- ✓ **NBA Coordinator**
- ✓ **IQAC Coordinator**

Professional Exposure

- ❖ 20+ Years of teaching experience.
- ❖ 14 + Years of Research Experience.
- ❖ Presently Supervising Four Students at JNTU-Hyderabad and JNUK-Kakinada
- ❖ Acted as examiner for setting question papers of B.Tech , M.Tech and Ph. D Courses in JNTUH , JNTUK and JNTUA
- ❖ Published 69 + Publications in various reputed journals like **ACM, Elsevier and Springer**
- ❖ Presented 30 + Research articles in various National and International Conferences.
- ❖ Attended 26 + workshops and FDPs.
- ❖ Evaluated Student Project thesis (Ph. D, M.Tech & B.Tech) of various Universities and Engineering Colleges.

Ph.D Guided: **(06) Awarded**

1. **Mr. S. Radha Krishna, " Exploring Robust Emotion Specific Feature for Automatic Text-Independent Emotion Recogntion for Telugu Language", Jan-2021, From JNTUK, Kakinada.**

2. **Mr. Goda Srinviasa Rao, " A Framework for handwritten character recognition for telugu script" awarded , December-2020, From JNTUA-Anantapur.**

3. **Ms. Sridevi Mothukuri, " Collaborative Filtering Recommender System by Exploiting Expertise and Demographic of Users" awarded –July-2020, from JNTUH-Hyderabad**

4. **Ms. Nagapadmaja Jagini , A Framework for automatic text-Independent emotion recognition system for telugu language" awarderd-2020 from JNTUH-Hyderabad**

5. **Mr. V. Subbaramaiaha , Enhanced Methods for Speaker Diaraization using Spectral and Clustering Concepts, awarded-2019 from JNTUH, Hyderabad**

6. **Ms. Venkataseshukumari B , JNTUH-Hyderabad, Statistical Telugu Dependency Parsing Using Linguistic and Combinatory Categorial Grammar (CCG) Supertag Features, awarded-2015 from JNTUH, Hyderabad**

M.Tech Guided   :   **(32)**

Workshops Co-Ordinated   :

- ✓ Organized a one week workshop on "**Research Challenges and Issues in Big Data and Cloud Computing**", 27th to 31stJanuary 2015, **JNTUK –UCEV**
- ✓ Organized a two day National Level workshop on "**Resent Research Trends in Computer Science and Information Technology**"., 21st and 22nd June 2013, JNTUK –UCEV
- ✓ Chaired-Two Day National Workshop on "**Fog Computing and Internet of Things**" on 28th and 29th March, 2016
- ✓

Research Interests

- ❖ Speech Processing, Pattern Recognition, Artificial Intelligence, Cloud Computing

**Academic Excellence/
Achievement Awards**

- ❖ **Dr. APJ Abdul Kalam** award for teaching excellence ,2019, Marina Labs,Chennai.
- ❖ **Best Researcher** Award from JNUK, Kakinada on 28th December , 2018.
- ❖ Received **VIDYA RATAN** award from T.E.H.E.G, New Delhi, for The year 2011.
- ❖ Achieved 2nd rank in non-gate examination conducted by JNT University For M.Tech admission.

Publications:

Monographs / Books/ Book chapters:

1. Rajeswara Rao Ramisetty ,Inuganti Srilakshmi, " **Prototype Selection of Online Handwritten Telugu Characters Recognition Using Voronoi Tessellation** ".Computational Intelligence in Data Mining (pp.275-287), January 2020.DOI:10.1007/978-981-13-8676-3_25.

2. Dr. R.Rajeswara Rao, **" A Systematic architecture of Bigdata IoT Cloud Application Challenges Review with emergency Fog and Edge Computing: a review Fog and Edge computing with Bigdata Anaiystics**" IET hand books for Bigdata Anaiystics[Accepted on Aug 2020]

3. Rajeswara Rao Ramisetty,Raju A, Pabboju Suresh **, "Brain Image Classification Using Dual-Tree M-Band Wavelet Transform and Naïve Bayes Classifier".** Intelligent Computing in Engineering (pp.635-642) , April2020, DOI:10.1007/978-981-15-2780-7_69.

4. **Dr. R.Rajeswara Rao,** Mr. D. Murali " **Software Engineering-A New Approach (Traditional and Agile Methodologies)"** BSP Publications ISBN: **9789387593756** ,2018.

3. Dr. R.Rajeswara Rao , M. Sridevi, Dr.M.Varaprasad Rao, "**Search   optimization to select an item across e-commerce platforms: App Development,** for the upcoming book Improving E-Commerce WebApplications through Business   Intelligence Techniques. IGI   Publications, 2017

4. **R. RajeshwaraRao** & V. Subba Rammaiaha **Cloud Computing & Virtualization,** BSP Publications, ISBN:978- 9383635047 2014

5. **R. Rajeswara Rao**, V. Kamakshi Prasad, Automatic Text Independent Speaker Recognition using Source   Feature,(ISBN 978-3-659-10800-6), Lap LABERT Publishing GmbH Co. KG,Germany, 2012.

Journals:

2020:

1. **R. Rajeswara Rao,** V Sethuram, Ande Prasad," **Optimal trained artificial neural network for telugu speakers diarization ",** Evolution intelligence ,DOI: https://doi.org/10.1007/s12065-020-00378-9, February 2020 .

2. **Dr.R. Rajeswara Rao , "Using Expert based Preference Elicitation for Collaborative Filtering Recommender Systems"** International Journal of Control and Automation, ISSN: 2005-4297Vol. 13, No. 2, (2020), pp. 592 – 598.

3. **Dr.R. Rajeswara Rao ,"Efficient Mechanism for Optimizing Execution Speed of RSA-AES in the Cloud using Whale Optimization Algorithm**", International Journal of Advanced Science and Technology, ISSN:2005-4238, Vol. 29, No. 7, (2020), pp. 2263-2274.

4. A Framework for Multi-Objective and Comprehensive Analysis of Web User Behavioural Patterns International Journal of Advanced Science and Technology (IJAST),ISSN: 2207-6360,Vol. 29, No. 3, (2020), pp. 1003-1015.

2019:

1. **Rajeswara Rao**, R , Ashlin Deepa, R.N. A novel Nearest Interest Point classifier for offline Tamil Handwritten character recognition, Pattern Analysis and Applications, Springer (Accepted) Pattern Analysis and Applications, Springer. SCOPUS INDEXED (2019). https://doi.org/10.1007/s10044-018-00776-x.

2. **R. Rajeswara Rao** , J. Naga Padmaja, ,"Telugu Based Emotion Recognition System using Hybrid Features", International Journal of Computer Applications, (IJCA)0975 – 8887, Volume 182 – No. 37, January 2019 .

3. S. Radha Krishna, **R. Rajeswara Rao**," Robust Spectral Features for Emotion Recognition using GMM and SVM with PCA" free Scopus Indexed Journal, Journal of Recent Technology and Engineering, IJRTE, 2019

4. **R. Rajeswara Rao**," et. al Prototype Selection of Online Handwritten Telugu Character Recognition Using Voronoi Tessellation",ICCIDM-2019.

5. **R. Rajeswara Rao**," et. al , Online Handwritten Indian Character Recognition and its Extension to Telugu Character Recognition ", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7, Issue-6S5, April 2019

6. M.Sridevi, **Dr.R.RajeswaraRao**,"Personalized Recommender by exploiting domain based expert for enhancing Collaborative Filtering Algorithm : PReC", International Journal of Advanced Computer Science and Applications, Vol. 10, No. 3, 2019.

2018:

1. **R. Rajeswar Rao**, S. Radha Krishna ," GMM-PCA based Approach for Emotion Recognition Using Spectral Features , Journal of Adv Research in Dynamics & Control Systems(JARDCS) , 2018

2. S.Radha Krishna, **R. Rajeswara Rao**, "GMM–PCA based approach for Emotion RecognitionusingSpectral Features", free Elesiver Scopus Indexed Journal, Journal of Advanced Research in Dynamical & Control Systems, Vol.10, 04 2018, ISSN: 1992-8645, E-ISSN: 1817-3195, pp. 4044-4054.

3. S. Radha Krishna, **R. Rajeswara Rao**, "SVM–PCA based approach for Emotion Recognition using Spectral Features", free Elesiver Scopus Indexed Journal, Journal of Advanced Research in Dynamical & Control Systems, Vol.10, 11, 2018, ISSN: 1943-023X,pp.982-993.

4. **R. Rajeswar Rao** , J. Naga Padmaja, ,"performance improvement and analysis of speaker independent emotion recognition system   using i-vectors", Journal of Theoretical and Applied Information Technology, Vol.96.   No 13, ISSN: 1992-8645, E-ISSN: 1817-3195, pp. 4044-4054.

5. Ch.Rajya Lakshmi , K.Rammohan Rao , **R.Rajeswara Rao**   "Extraction of Various Features from Satellite Image Data using Supervised and Unsupervised Classification Techniques and Threat Alerts Generations for Emergency Management", International Journal of Engineering & Technology,pp 684-687. *DOI: 10.14419/ijet.v7i4.29.21639.*

6. **R.Rajeswara Rao** , "Analysis of Speaker Independent Emotion Recognition System Using Principle Component Analysis (PCA) And Gaussian Mixture Models (GMM)"., International   Journal   of Engineering Technology Science and Research, (IJETSR), Volume 4, Issue 12, December 2017. pp. 767-778   2394 – 3386.

7. **R.Rajeswara Rao** , "Analysis of Speaker Independent Emotion Recognition System Using Principle Component Analysis The Performance of Online Telugu Character Recognition using Multilayer Feed forward Neural Network (MFNNs)" International Journal of Pure and Applied Mathematics   ISSN: 1314-3395,Vol.119 (2018) ,1119-1125.

2017:

1. **R. Rajeswara Rao** and V. Subba Ramaiah "Speaker Diarization System using   HXLPS and deep neural   network", **Alexandria Journal**- ELSEVIER Journal, Jan., 2017.

2. **R. Rajeswara Rao**, et.al. " A Modified GA Classifier for offline Tamil Handwritten Character Recognition. **Int. Journal of Applied Pattern Recognition (Inder Science) Vol-4, No-1, 2017.**

3. **Dr. R.Rajeswara Rao**, et.al "DECORS: A Simple and Efficient Demographic Collaborative Recommender System for MovieRecommendation"Advances in Computational Sciences and Technology ISSN 0973-6107 Volume 10, Number 7 (2017) pp. 1969-1979.

4. S. Radha Krishna**, R. Rajeswara Rao**, "**SVM based Emotion Recognition using Spectral Features and PCA**", International Joural of Pure and Applied Mathematics , Vol. 114, No. 9, ISSN 1311-8080. pp. 227-235,2017

5. **Dr. R.Rajeswara Rao**, et. al "Exploiting Experts opinion via Collaborative Filtering Approach using User Demographics and Clustering", Journal of Adv Research in Dynamical & Control Systems, 15-Special Issue, October 2017 [Elsevier Scopus].

6. **R. Rajeswara Rao** , J. Naga Padmaja, "Analysis And Identification Of Emotion Specific Features For Speaker Independent Emotion Recognition System Using Gaussian Mixture Models (GMMs)" Advances in Computational Sciences and Technology, (ACST)ISSN 0973-6107 Volume 10, Number 8 (2017) pp. 2491-2505

7. **R. Rajeswara Rao** , et.al Preprocessing of online handwritten Telugu character recognition", International Journal of Advanced and Applied Sciences, 4(7) 2017, Pages: 179-189

8. **R. Rajeswara Rao** , J. Naga Padmaja, ,"Performance Improvement And Analysis Of Speaker Independent Emotion Recognition System Using I-vectors", Journal of Theoretical and Applied Information Technology (JATIT), Vol.96. No 13, ISSN: 1992-8645, E-ISSN: 1817-3195, pp. 4044-4054.

9. S. Radha Krishna, **R. Rajeswara Rao**, "Exploring Robust Spectral Features For Emotion Recognition using Statistical Approaches", 6th IEEE International Conference on Communications and Signal Processing, April 6-8, 2017, India.

10. **R. Rajeswara Rao** ,"Online Telugu Hand written Character Recognition: A Review" International Journal of Creative Research Thoughts (IJCRT) ,Vol.5 (2017) ,1242-1247, ISSN:2320-2882

2016:

1. **R. Rajeswara Rao** B. Venkata Seshu Kumari **,** . Two Approaches for incorporating Linguistic Constraints to improve the usability of Telugu Dependency Parser. **International Journal of Applied Pattern Recognition (inderscience publications.Vol3, issue2,2016)**

2. **R. Rajeswara Rao** and V. Subba Ramaiah "Speaker Diarization System Using   MKMFCC Parameterization and WLI-Fuzzy Clustering", **Springer- International Journal of Speech Technology (IJST), Vol. 19, Issue 4, pp. 945–963, Dec. 2016**.

3. **R. Rajeswara Rao** and V. Subba Ramaiah and, "A Novel Approach for Speaker Diarization System using TMFCC Parameterization and Lion Optimization", **Journal of Central South University, Springer, Sep. 2016.**

4. M.Sridevi, Dr.R.RajeswaraRao, Dr.M.VaraprasadRao, "A Survey on   Recommender System" International Journal of Computer Science and Information Security,Vol. 14, No. 5, May 2016, ISSN 1947-5500

5. **R. Rajeswara Rao** and V. Subba Ramaiah and, "Slope at zero crossings (zc) of speech signal for multi-speaker activity detection", IJCI, Vol. 5, No. 4, August 2016

6. **Rajeswara Rao** & R Ashlin Deepa, R.N.. (2016). "An efficient offline Tamil handwritten character recognition system using zernike moments and diagonal-based features", International Journal of

Applied Engineering Research ISSN 0973-4562 Volume 11, Number 4 (2016) pp2607-2610, SCOPUS INDEXED.

7. **R. Rajeswara Rao** , J. Naga Padmaja, "A comparative study of silence and non silence regions of speech signal using prosody features" , IJCSE, Vol. 7 No. 4, Aug-Sep 2016, ISSN : 0976-5166, pp 153- 161.

2015:

1. **R. Rajeswara Rao et.al**, Telugu dependency parsing using different statistical parsers, **ACM –TALIP**, Vol. 14, No. 1, Article 3, ISSN:1530-0226 EISSN:1558-3430

2. **R. Rajeswara Rao** et.al, Improving Indian Language Dependency Parsing by Combining Tran sition-based and Graph-based parsers, International Journal of Computer Applications (IJCA) Volume 115 – No. 5, ISSN: 0975 – 8887, Impact Factor: 3.12.

3. **R. Rajeswara Rao et.al**, Automatic Text-Independent Emotion Using Spectral Features, Journal of Innovation in Computer Science and Engineering(JICSE), Vol 5, Issue-1, ISSN 2278-0947.

4. **R. Rajeswara Rao** et.al Preprocessing of HP Data Set Telugu strokes in Online Handwritten Telugu Character Recognition",IJCTA,8(5),2015,pp,1939-45,

5. **R. Rajeswara Rao et.al**, Data Resources Portions in cloud using Describe Data, IJMETMR : International Journal & Magazine of Engineering, Technology, Management and Research, Vol:2(2015), Issue:11, ISSN: 2348-4845, Impacct Factor: 2.6250.

6. **R. Rajeswara Rao et.al**, Performance Evaluation of Statistical Approaches for Automatic Text-Independent Gender Identification System, (IJCSIS) International Journal of Computer Science and Information Security, Volume 4, Jan-15, Issue 1, ISSN:2277-9655, Impact Factor: 0.438.

7. **R. Rajeswara Rao et.al**, A Hybrid Parsing Approach for Telugu Dependency Parsing, Volume 5,Issue 9 of IJARCSSE.Sept-2015, ISSN:2277 128X, Impact Factor: 2.08.

8. S. Radha Krishna, **R. Rajeswara Rao**, "Automatic Text- Independent Emotion Recognition Using Spectral Features" 3rd International Conference on Innovations in Computer Science & Engineering (ICICSE), 7th and 8th August 2015.

2014:

1. **R. Rajeswara Rao et.al** ,Automatic text-independent speaker tracking system using feed-forward neural networks (FFNN), International journal of computer engineering & Technology (ijcet), Vol 5, Issue-1, July-15, ISSN 2278-0947, Impact Factor: 6.1302.

2. **R. Rajeswara Rao et.al,** Feature Extraction Techniques for Recognition of Malayalam Handwritten Characters: Review, International Journal of Advanced Trends in Computer Science and Engineering, Vol. 3(1), 2014,Page(s) : 481– 485., ISSN:2278-3091, 0.38.

3. **R. Rajeswara Rao et.al,** Telugu dependency parsing using different statistical parsers, Elsevier Journal of King Saud University - Computer and Information Sciences (Accepted for publication in December, 2014, ISSN: 1319-1578, Impact Factor: 2.274.

4. **R. Rajeswara Rao et.al**, Robust Features Based Automatic Text-Independent Gender Identification System Using Ergodic Hidden Markov Models (EHMMs), International Journal Of Engineering And Computer Science Vol 3, Issue-8, Aug-14, ISSN- 2319-7242, Impact Factor: 3.093.

5. **R. Rajeswara Rao et.al**, A Comprehensive Survey of Personalized Recommender Systems, IJCST, Vol-5, Issue-3, July-14, ISSN:2229-4333, 5.09

6. **R. Rajeswara Rao et.al** ,A survey on Encryption and improved virtualization security techniques for cloud infrastructure, GJCST, volume 14,issue 2,2014, ISSN: 0975-4172, ISSN: 0975-4350.

7. **Dr. R.Rajeswara Rao,et.al**"A Comprehensive Survey of Personalized Recommender Systems", International Journal of Computer Science and Technology, Vol. 5, Issue 3, July - Sept 2014, ISSN : 0976-8491.

8. **Dr. R.Rajeswara Rao, et.al** "A Survey on Recommender System" International Journal of Computer Science and Information Security, Vol. 14, No. 5, May 2016, ISSN 1947-5500

9. **R. Rajeswara Rao et.al** , Automatic text-independent speaker tracking system using feed-forward neural networks (FFNN), IJCET, Volume 5, Issue 1, pp. 11-20, January 2014. ISSN: 2277 – 4106, Impact Factor: 5.126

10. **R. Rajeswara Rao et.al**, Robust Feature Based Automatic Text-Independent Gender Identification System Using GMM, IJERA, Vol:4, Issue-1,Jan-14, pp:134-138, , ISSN:2248-9622, Impact Factor: 1.69

11. **R. Rajeswara Rao et.al** ,Sophisticated Approaches in Virtual Machines for Safe Cloud Service, Global Journals Inc. (USA), Vol-14, Issue-2, 2014, ISSN:0975:4350

12. **R. Rajeswara Rao et.al**, Automatic Speech Processing Using HTK For Telugu Language, IJAET, ISSN: 22311963

2013:

1. **R. Rajeswara Rao et.al,** Modeling Speaker Specific Features for Automatic Text Independent Speaker Tracking System using Support Vector Machines (SVMs), IJESPR, Vol. 05, Issue 01, pp. 18-26, ISSN: 430–451, Impact factor: 0.567

2. **R. Rajeswara Rao et.al**, Improving the usability of statistical parsers by incorporating linguistic constraints, IJECCE vol4,Issue(6) ISSN: 2249-071, Impact Factor: 1.0909

3. **R. Rajeswara Rao et.al** ,Sophisticated Approach in Virtual Machines for Safe Cloud Service, IJCA, Vol-36, Issue-2, Aug-2013, ISSN:2051-0845, Impact Factor: 3.12

4. **R. Rajeswara Rao et.al,** Effective Throughput Based Approaches in Avoiding Selective Jamming Attack by Achieving Privacy in Wireless Networks, IJECCE, X Vol-4, Issue-4, July-2013, ISSN: 2249-071, Impact Factor: 1.0909

5. **R. Rajeswara Rao et.al** , A Medial node based privacy Approaches for Preventing Selective Jamming in Wireless Networks, Volume -1, Issue -3, IEEE-, April 2013, ISSN: 2320-8945, Impact Factor: 4.934.

6. **R. Rajeswara Rao et.al** Modeling Speaker Specific Features for Automatic Text Independent Speaker Tracking System using Support Vector Machines (SVMs), IJESPR, Vol. 05, Issue 01, pp. 18-26, June 2013, ISSN: 430–451, Impact Factor: 0.567

7. **R. Rajeswara Rao et.al**, Performance Evaluation of Different Modeling Techniques for Text-Independent Speaker Recognition System, IJARCSSE, Vol-3,Issue-11, Nov-2013,, ISSN:2277-128X, Impact factor: 2.080

8. **R. Rajeswara Rao et.al,** Classification of Web Services Using JForty Eight, International Journal of Electronics Communication and Computer Engineering, Volume 4, Issue (6) NCRTCST-2013, ISSN 2249–071X, Impact Factor: 1.2456.

9. **R. Rajeswara Rao et.al,** Improvement in Efficiency of Recognition of Handwritten Telugu Script, IJIES,

Volume-2, Issue-1, December - 2013, ISSN: 2319-9598, Impact Factor: 1.15

10. **R. Rajeswara Rao et.al,** Online Hand written character recognition for telugu language using SVM, IJEAT, Vol-3, Issue-2, Dec-13, ISSN:2249-8958, Impact Factor: 1.121

2012:

1. **R. Rajeswara Rao et.al.,** Content Based Image Retrieval System Consume. Semantic Gap, IJCSIT, Vol. 3(5), 2012, Nov, 2012.

2. **R. Rajeswara Rao et.al.,** Performance Evaluation of On Demand HRP in MANETS,IJCSET, Vol 2, Issue 6,1292-1294, June 2012.

3. **R. Rajeswara Rao,** V. Subbaramaiaha, Analysis and Proposing a Robust Source Features for Automatic Text-Independent Speaker Indexing System, CSEIJ, Volume 2 Issue 4, August, 2012.(impact factor 0.7).

4. **R. Rajeswara Rao,** A. Prasad, Ch. Kedarirao, Robust Features for Automatic Text-Independent Speaker Recognition Using Ergodic HMM, JDSP(Journal of Digital Signal Processing), Volume 7 Issue 1, March,2012.(impactfactor 0.769).

5. **R. Rajeswara Rao**, A. Prasad, Ch. Kedarirao, Performance Evaluation of Statistical Approaches For Text-Independent Speaker Recognition System Using Robust Features, IJCSI, Volume 9 Issue 1, Jan,2012.(Indexedin Elsevier Publications)(impact factor 0.242)

2011:

1. **R. Rajeswara Rao**, A. Prasad, Ch. Kedarirao, Robust Features for Automatic Text-Independent Speaker Recognition Using Gaussian Mixture Model, IJSCE, Volume 1 Issue 5, Nov,2011.(impact factor 0.21)

2. **R.Rajeswara Rao**, A. Prasad, Glottal Excitation Feature Based Gender Identification System Using Ergodic HMM, IJCA, Volume 17, Number 3, March,2011.(impact factor 0.835)

3. **R.Rajeswara Rao**, A. Prasad, Performance Evaluation of Statistical Approaches For Text-Independent Gender Identification System Using Source Feature, IIJC, Volume 1 Issue 2, April,2011.

4. **R. Rajeswara Rao**, A. Nagesh, Source Feature Based Gender Identification System Using GMM, IJCSE, Volume 3 Number 2, Feb,2011.(impact factor 0.48)

5. **R.Rajeswara Rao**, A. Prasad, Performance evaluation of Statistical Approaches For Text-Independent Language Identification System, IJCSC, Volume 2 Number 1, March,2011.(impact factor 0.475)

2010:

1. **R. Rajeswara Rao**, V. Kamakshi Prasad, A. Nagesh, Performance evaluation of Statistical approaches for Text independent speaker recognitionusing source feature,InterJRI - Computer Science and Networking Volume2 Issue 1, August 2010.

2009:

1. **R. Rajeswara Rao** and V. Kamakshi Prasad, Effect of LP Order for speaker recognition using Gaussian mixture models, IJCSCT, vol.I, Jan '09, pp.121-127.

2008:

1. **R. Rajeswara Rao**, V. Kamakshi Prasad, Source features for speaker Recognition using Gaussian mixture models, JJNTU, vol. II, No. 3, Nov 2008, pp. 59-68.

2007:

1. **R. Rajeswara Rao**, A. Nagesh, V. Kamakshi Prasad, K. EphrainBabu,Text dependent speaker recognition system for Indian language, IJCSNS,Nov 30, 2007, pp. 65-71, vol. 7 No.11.

Conferences:

International Conferences:

2019

1. Dr. R.Rajeswara Rao., et. al "Dynamic Computation Off-loading and Control based on Occlusion Detection in Drone Video Analytics". ICDCN-2020

2018

2. Dr. R.Rajeswara Rao ., et. Al " Prototype Selection of Online Handwritten Telugu Characters Recognition Using Voronoi Tessellation Computational Intelligence in Data Mining Proceedings of the International Conference on ICCIDM 2018.

3. Sridevi, M., and **R. Rajeshwara Rao.** "Finding right doctors and hospitals: a personalized health recommender." Information and Communication Technology for Competitive Strategies. Springer, Singapore, 2019. 709-719.

2017

1. **Dr. R.Rajeswara Rao**., et. al "Finding Right Doctors and Hospitals: Personalized Health Recommender " ICTCS 2017, Udaipur, Springer LNNS series .

2. J. Naga Padmaja**, R. Rajeswar Rao**, "Exploring Emotion Specific Features For Emotion Recognition System Using PCA Approach", International Conference on Intelligent Computing and Control Systems (ICICCS) , 978-1-5386-2745, IEEE 2017

3. J. Naga Padmaja, **R. Rajeswar Rao**, "Analysis of Speaker Independent Emotion Recognition System Using Principle Component Analysis (PCA) And Gaussian Mixture Models (GMM)", International Journal of Engineering Technology Science and Research, (IJETSR), ISSN 2394 – 3386, Volume 4, Issue 12, December 2017. pp. 767-778.

4. Ashlin Deepa R N, **Rajeswara Rao R**, "An Eigen characters method for Recognition of Handwritten Tamil Character Recognition", Proceedings of the First International Conference on Intelligent Computing and Communication, Advances in Intelligent Systems and Computing 458,

2016

1. **R. Rajeswara Rao** V and. Subba Ramaiah, "Slope at zero crossings (zc) of speech signal for multi-speakeractivity detection", In proceedings of ICECE-16, JNTUK-UCEV, Vizianagaram, 29th – 30th July, 2016.

2. **Dr. R.Rajeswara Rao**, et. al "An Enhanced Personalized Recommendation Utilizing Expert's Opinion via Collaborative Filtering and Clustering Techniques", ICICT-2016, IEEE Explore, 978-1-5090-1286-2, Aug 2016

3. **Dr. R.Rajeswara Rao**, et. al "Recommendation System for Smart Mobile Phone selection through e-commerce website using TOPSIS algorithm ", NCCSIGMA 16, IJAERS, ISSN: 2349-6495, Dec 2016.

4. **R. Rajeswara Rao** and V. Subba Ramaiah and, "Multi-speaker activity detection using zero crossingrate", In proceedings of ICCSP-16, Adhiparasakthi Engineering College, pp. 18-21, April 8-9, 2016, Chennai.   (Published in IEEE Explore).

5. J. Naga Padmaja, **R. Rajeswar Rao**, "Exploring Spectral Features for Emotion Recognition Using GMM" Vol. 14 ICETCSE 2016 Special Issue International Journal of Computer Science and Information Security (IJCSIS) ISSN 1947-5500 pp 46-52.

2015:

1. **R. Rajeswara Rao** et.al. Developing Telugu CCG Resources from the   Dependency Treebank. In Proceedings of 2015, May, Pacific Association for computational linguistics, pg :212-217, Bali,Indonesia.

2. **R. Rajeswara Rao** et.al., Exploring different statistical parsers for parsing Telugu, In Proceedings of   2015, May Pacific Association for computational linguistics   pg: 41-46, Bali,Indonesia.

3. **R. Rajeswara Rao** et.al.,A Cluster Based Distributed Key Architecture Scheme for MANETS, ICPCIT-15, April, Chennai, India

4. **R. Rajeswara Rao** et.al Exploring Prosodic Features for Emotion Recognition Using Gaussian Mixture Models (GMMs),(ICICSIT-15), Aug 28-29,2015, Hyderabad, India.

5. **R. Rajeswara Rao** et.al Automatic Text-Independent Emotion Recognition, ICICSE-15, Aug 7th -8th, 2015, Hyderabad, India

6. **R. Rajeswara Rao** et.al A Survey of Telugu Script Recognition Schemes, IEEE-ICBDM-15, 27th-28th, Feb-15, Tamilnadu-India

2014:

1. **R. Rajeswara Rao** et.al. Exploring transition-based and graph-based parsers for Telugu Dependency Parsing, In proceedings of ICRSKT-2014, Nov   JNTUH, Hyderabad.

2. **R. Rajeswara Rao** et.al. Efficient resource reservation policies for effective resource management using reservation pool, Second International Conference on Emerging Research in Computing, Information, Communication And Applications - ERCICA-2014, August 01 - 02, 2014, Bangalore, India.

3. **R. Rajeswara Rao** et.a,l A novel approach for protected scalable in cloud computing, NECICC-14, August 1-2, Guntur.

4. **R. Rajeswara Rao** et.al. Effective resource management techniques using reservation pool, IEEE International Conference on Recent Advances & Innovations in Engineering" (ICRAIE-2014), May 09-11, 2014 Feature Extraction Techniques for Recognition of, ICETETS 2014, 25-25 Feb, 2014.

2013:

1. **R. Rajeswara Rao** et.al.A Medial Node Based Privacy Approaches for Preventing Selective Jamming in Wireless Networks, IEEE ISPCCC, September-28, 2013.

2. **R. Rajeswara Rao** et.al. Based Approaches for Preventing Selective Jamming in Wireless Networks, ICEECP, GOA, April-2013.

National Conferences:

2014:

1. **R. Rajeswara Rao** et.al.,Combining Malt & MST for Telugu dependency parsing. In proceedings of ACPR-2014, Oct,, JNTU College of Engineering Jagityala

2013:

1. **R. Rajeswara Rao** et.al.Improving the usability of Statistical Parsers by incorporating linguistic constraints, in proceedings of NCRTCST, 2013 Hyderabad.

2. **R. Rajeswara Rao** et.al.National Conference on Emerging Trends of Computing Technologies, 2013

3. **R. Rajeswara Rao et.al**.Modeling Prosodic features for Automatic Text-Independent Speaker Indexing System using Support vector machine (SVMs),National Conference on Recent Trends In Information Technology-2013, 23rd & 24th March 2013.

2012:

1. **R. Rajeswara Rao** et.al. Hindi Dependency Parsing using a combined model of Malt and MST Workshop on Machine Translation and Parsing in Indian Languages (MTPIL-2012), IIT-BOMBAY. COLING 2012.

2. **R. Rajeswara Rao** et.al. An effective air traffic management for whether prediction Using HMMs, ICRAMAV, , pp.228-235, JNTUH.

3. **R. Rajeswara Rao** et.al., A Multiset Approach for Recognition of Handwritten Characters Using Puzzle Pieces, SIPM-2012, Chennai, Aug, 2012.

4. **R. Rajeswara Rao** et.al., Exploring a New Set of Source Features for Automatic Text-Independent Speaker Recognition, AIRES-2012, Andhra University, May,2012.

5. **R. Rajeswara Rao** et.al., Tracking Down of Phishing WebPages Strategy Predicate on Ocular Correlation, AIRES-2012, Andhra University, May,2012.

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2011:

1. **R. Rajeswara Rao** et.al., Design and Implementation of Web Usage Mining Intelligent System in the Field of e-Commerce, ICCTSD, Indexed in Elsevier Publications, Coimbatore, 2011.

2010:

1. **R. Rajeswara Rao**, A. Nagesh V. Kamakshi Prasad, Performance evaluation of Parametric approaches For Text

Independent Language Identification System,Proceedings of IEEE VCON10, Warangal, 2010.

2009:

1. **R. Rajeswara Rao**, V. Kamakshi Prasad, Source features for speaker recognition using ergodic hidden markov model, Proceedings of IEEE IACC, pp.3209-3214, Patiala, 2009.

2008:

1. **R. Rajeswara Rao**, V. Kamakshi Prasad, A novel approach to extract speaker specific features for text independent speaker recognition, Proceedings of RACE-2008,Osmania University, Hyderabad.

2. **R. Rajeswara Rao** and V. Kamakshi Prasad, Effect of LP Order for speaker recognition using Gaussian mixture models, IACCT,pp.492-497, Panipat, Haryana, 2008.

Workshops:

2017:

1. Attended "Two Day Instructional Workshop on Python Programming "during 1st & 2^{nd}July, 2017, JNTUK, UCEV, Vizianagaram.

2016:

1. Attended Two Day Workshop on Fog & IoT, 28th & 29th March, 2016, JNTUK- UCEV, Vizianagaram

2015:

1. Organized a one week workshop on "Research Challenges and Issues in Big Data and Cloud Computing", 27th to 31^{st}January 2015, JNTUK –UCEV

2014

1. Attended one day Preconference workshop on Advanced Computing and Pattern Recognition, 7th Jan, 2014, JNTUK-UCE

2. Attended two day National workshop on Pattern Recognition & It's Applications, 19th and 20th Mar, 2014, JNTUK-UCEV, Vizianagaram

2013:

1. Attended One Week workshop on "Cloud Computing" 2013, HYD,2013, Mallareddy institute of technology.

2. Organized a two day National Level workshop on "Resent Research Trends in Computer Science and Information Technology"., 21st and 22nd June 2013, JNTUK –UCEV

3. Attended one day workshop for Training Resource Persons on Outcome Based Accreditation -Phase-I, 13th September, 2013, JNTUK –UCEV.

4. Attended one day workshop for Training Resource Persons on Outcome Based Accreditation -Phase-I, 29-04-2013, JNTUK

5. Attended one day workshop for Training Resource Persons on Outcome Based Accreditation-Phase-II, 16-18, May 2013, JNTUK

6. Attended two day Orientation Programme for Faculty, 16-17 July, 2013, JNTUK-UCEV

7. Two day National workshop on Rough Sets and Knowledge Technologies, 10th and 11th Nov, 2013, JNTUH

8. Attended HOD and Faculty Orientation Program conducted by CoEeRD, 26th August, 2014, JNTUK-UCEV

9. Attended one day workshop on Outcome Based Engineering Education, 17th Feb, 2013, JNTUK

10. Attended one day National Workshop on Big Data Analytics and Cloud Computing, 29th June, 2013, JNTUK-UCEV

11. Attended three day workshop for Training Resources Persons on Outcome Based Accreditation-Phase II, 26th -28th Sep, 2013

12. Attended one day workshop on MATLAB & Simulink for Engineering Education, 7th Feb 2013, Visakhapatnam

Attended two day workshop on Redesigning Curriculum in the Context of Outcome Based Learning, 24-25 February, 2013

13. Attended three days Faculty Development Program on Soft Skills for effective Teaching. 13th to 15th June, 2013.

2012

1. Two-Day National Workshop on " Research Opportunities in Computer Science and Information Technology",   CBIT, January 27-28, Hyderabad,2012.

2. A Two-Day National Workshop on " Speech Processing", MGIT, February 17-18, Hyderabad, 2012.

3. National Seminar on Automata Compiler Design, SrideviWomens Engineering College, July 20-21, Hyderabad, 2012.

4. Recent Trends in Cloud Computing and Virtualization, VVIT, Sep 13-15, Hyderabad, 2012.

2010:

1. Winter School on Speech and Image Processing (WISP),IIIT, Hyderabad, 2010.

2009:

1.   Winter School on Speech and Signal Processing (WiSSAP),IIT, Kharagpur, 2009.

2.   Winter School on Speech and Image Processing (WISP),IIIT, Hyderabad, 2009.

2007:

1. Winter School on Speech and Signal Processing (WiSSAP),IIT, Madras, 2007.

2006:

1. Winter School on Speech and Signal Processing (WiSSAP),IISc, Bangalore,2006.

Session Chairs:

2015:

1.   International Conference On Innovations in Computer Science & Information Technology, 28th & 29th Aug-2015, MGIT-Hyderabad

2.   Third National Conference on Research Trends in Computer Science and Technology, 9th and 10th Oct, 2015

3.   International Conference on Computational Intelligence and Soft Computing, 19th and 20th Dec, 2015

4.   MVR Student Technical Fest, 26th March, 2015

2014:

1.   International Conference on Computing NECICC-2K14, 2nd Aug, 2014, NEC-Narasaraopet

2.   DST Sponsored-National Conference on Technological Research in Information Technology(NTRIT-14), 19th Sep2014, Vignan University-Guntur.

3.   Resource Person to UGC-Academic Staff College-Hyderabad: " UGC Sponsored Three Week Refresher Course on Cloudera: Big Data and Cloud Analytics" on 11-11-2014. JNTUH-Kukatpally, Hyderabad.

4.   International Conference on Emerging ICT for Bridging Future, 12th to 14th Dec, 2014

5.   First International Conference on Rough Sets and Knowledge Technologies, 10th Nov, 2014, Hyderabad

6.   International Conference on Computational Intelligence: Helath and Disease, 27th and 28th Dec, 2014, Palm Beach, Visakhapatnam

7.   National Level Technical, Cultural and Sports Festival, 7th March, 2014

8.

2013:

1. National Conference on Advanced Technologies in Computer science, NCAT, Madhanapally, Chitoor Dt., 30 MAY2013

2. Two Day Workshop on Rough Sets and Knowledge Technologies, 10th & 11th Nov, 2013, JNTUH-Hyderabad

Invited Talks:

2020:

1. Resource Person for AICTE Sponsored One Week Online Short-Term Training Programme (STTP) on Machine learning and Deep Learning Techniques for Artificial Intelligence Problems using Python during 14th-19th **Dec,2020, VNR VNRVJIET,Hyderabad.**

2. Resource Person for AICTE –ISTE Sponsored Refresher Online FDP (Program-1) " Research Methodology : Tools and Techniques using R Programming " 23rd to 28th November,2020.

2019: Resource Person for AICTE Sponsored Five day FDP on Artificial Intelligence during 02-12-2019 to 06-12-2019 at UGC-Human Resource Development Centre, JNTUH-Hyderbad.

2017:

1. Resource Person for "Instructional W Two Day Instructional Workshop on Python Programming "during 1st and 2nd July, 2017, JNTUK, Vizianagaram

2015:

1. Resource Person for Two Day Workshop on "Advancements in Cloud Computing", 14-08-2015, JNTUK.

2. Talk on Recent Advancements in Speech Technologies, St. Ann's College of Engineering & Technology, 18-12-2015, 19-12-2015

2014:

1. Expert Talk on Cloud Virtualization and it's applications, P.N.C &vijai institute of engineering & technology, 20-12-2014

2. Guest Lecture on Bio-Metrics, P.N.C &vijai institute of engineering & technology, 19-08-2014

3. Expert Talk on Pattern Recognition, AkulaSreeRamulu College of Engineering, 20-02-2014

4. Expert Talk on Cloud Computing and it's Applications, AkulaSreeRamulu College of Engineering, 24-11-2014

5. Cloudera: Big Data and Cloud Analytics, UGC-Academic Staff College, 11-11-2014

2013:

1. Expert Talk on Cloud Computing and it's Applications, Vaishnavi Institute of Technology, 23-11-2013

2. Guest Lecture on Pattern Recognition, GMR Institute of Technology, 20-07-2013

3. Talk on Big Data Analytics, Priyadarshini College of Engineering, 13-07-2013

2012:

1. Delivered a Talk on" Turing Machine and Push down Automata", VJIT,Hyderabad, March-29, 2012.

2. Delivered a Talk on" Cloud Computing", St. Peters Engineering College, Hyderabad, August-18, 2012.
3. Delivered a Talk on" Security Issues in Cloud Computing", Three day National Work Shop on" Recent Trends in Cloud Computing and Virtualization VVIT, Hyderabad, Sep-15, 2012.

2011:

1. Delivered a Talk on "Speech Technologies ", A Two Day National Work Shop on Recent Advancements in Computing, KU College of Engineering, Warangal, Feb-11, 2011.

2. Delivered a Talk on " Recent Advancements in Speech Technology ", Faculty Development Program , Sri Indu College of Engineering Technology, Hyderabad, Oct-25, 2011.

3. Delivered a Talk on " Speaker Recognition ", Faculty Development Program, BVRIT, Hyderabad, Dec-13, 2011.

Keynote Speakers:

2014:

1. Key Note Speaker in the International Conference on Emerging Trends in Engineering Technology and Science (ICETETS-2014) during Feb 24-25, 2014. Hyderabad.

2. Key Note Speaker in the International Conference on Computing NECICC-2K14, 2nd Aug-2014

3. Key Note Speaker for National Level Technical, Cultural and Sports Festival, 7th March, 2014

4. Key Note Speaker for technical paper presentations, 5th Dec, 2014

Courses Taught

Artificial Intelligence, Formal Languages and Automata Theory,Compiler Design, Bio Metrics, Pattern Recognition, Speech Processing, Image Processing, Software Engineering, Software Project Management.

DECLARATION

The information provided above is true to the best of my knowledge and belief.

Date:**6-02-2021**

(**Dr**. **R. Rajeswara Rao)**