



RAYALASEEMA UNIVERSITY

(A State University Established by Govt. of Andhra Pradesh)

(Accredited by NAAC with 'B' Grade)

KURNOOL – 518007, ANDHRA PRADESH

FACULTY PROFILE

1	Name of the Faculty	:	Dr. GORMANUKONDA RAVI KUMAR			
2	Designation	:	Assistant Professor& Coordinator			
3	Department	:	COMPUTER SCIENCE			
4	Date of Birth	:	10-07-1972			
5	Date of Joining	:	01-09-2006			
6	Academic Qualifications		UG Degree	PG Degree		Research Degree
	Name of the Degree	:	B.Sc	MCA, M.Phil, M.Tech		Ph.D
	Class / Grade Awarded	:	Second	First		First
	Board / University	:	S K University	S K University		S K University
	Year of receiving Degree	:	1992	2001,2009, 2020		2014
7	Areas of Specialization	:	Machine Learning, Software Engineering & Big Data Analytics			
8	Total Experience (Yrs.)	:	Teaching	Industry		Total
			23			23
9	Papers Presented	:	National	International		Total
			3	47		50
10	Research Publications	:	Journals	Conferences Proceedings		Books / Chapters
	National Level	:		3		
	International Level	:	24	17		6
11	Participation in		Seminars	Conferences		Workshops
	National Level	:	10	5		20
	International Level	:		12		
12	Ph.Ds. / Projects Guided	:	Completed: 100		Ongoing: 15	
13	Research Projects handled	:	Major:		Minor: 1	
14	Fellowships / Memberships	:	- BOS Member, SSGS Degree College, Guntakal - BOS Member, Silver Jublee Government College, Kurnool. - BOS Member, KVR Government College (W), Kurnool.			

			● Member in International Association of Engineers (IAENG), Membership No: 108123 ● Reviewer in Indian Journal of Engineering and Sciences (IJES) and International Journal of Engineering and Sciences (IJES). ● Reviewer in Journal of Harmonized Research Publications.				
1 5	Awards / Achievements / Any other information	:	Ideal Teaching Award Programme-2019,” Assistant Professor of the Year”, Tutors Pride, Hyderabad				
1 6	Contact information	:	<table><tr><th>Mobile</th><th>Email ID</th></tr><tr><td>8555919531</td><td>grkondaravi@gmail.com</td></tr></table>	Mobile	Email ID	8555919531	grkondaravi@gmail.com
Mobile	Email ID						
8555919531	grkondaravi@gmail.com						
1 7	List of Publications /Chapters/Books (APA Format)		International Journal Publications 1. Ravi Kumar, G., Thippanna, G., & Venkateswarlu, M. (2024). Multiclass date fruit prediction using SVM and logistic regression with OVO and OVR. <i>Journal of Big Data Technology and Business Analytics</i>, 3(3). https://matjournals.net/engineering/index.php/JBDTBA/article/view/1092/1572 2. Ravi Kumar, G., Thippanna, G., Albert, D. W., & Rekha, K. (2024). Pumpkin seed prediction using voting classifier: A comparative analysis with decision tree, logistic regression, and SVM. <i>International Journal of Computer Applications</i>, 5(1), 1-6, https://iaeme.com/Home/issue/IJCA?Volume=5&Issue=1 3. Murthuja, P., Ravi Kumar, G., & Babu, G. A. (2023). Preliminary focus on the impact of element decision for multiclass using a neural network approach. <i>International Journal of Computer Engineering in Research Trends</i>, 10(4), 182-187. https://doi.org/10.22362/ijcertpublications.v10i4.13 4. Ravi Kumar, G., & Thippanna, G. (2022). An experimental concentrate on the impact of element assurance in AI approach. <i>Mukt Shabd Journal</i>, 11(10), 339-347. DOI:10.0014.MSJ.2022.V11I10.0086781.1135735 5. Ravi Kumar, G., Nagamani, K., & Rajeswari, M. (2022). An exploratory focus on hyperparameter optimization for image processing utilizing convolution neural networks. <i>Bulletin Monumental Journal</i>, 23(8), 1-5. 6. Ravi Kumar, G., Naik, S., & Nagamani, K. (2022). An experimental methodology for multi-label prediction utilizing machine learning. <i>International Journal of Research and Analytical Reviews</i>, 9(3), 269-274, http://www.ijrar.org/IJRAR22C1273.pdf 7. Naik, S., Nagamani, K., & Ravi Kumar, G. (2022). Performance evaluation as data classification estimates as standard credit card detection. <i>International Journal of Advance and Innovative Research</i>, 9(3), 210-212, https://iaraedu.com/about-journal/ijair-volume-9-issue-3-i-july-september-2022.php 8. Basha, S. R., Bhupalrao, M. S., Reddy, P. K., & Ravi Kumar, G. (2020). Emotional tweets analysis on social media with short text classification using various machine learning techniques. <i>Journal of Computational and Theoretical Nanoscience</i>, 17(12), 5477-5482, https://doi.org/10.1166/jctn.2020.9442 9. Ravi Kumar, G., Basha, S. R., & Bhupalrao, M. S. (2020). A summarization on text mining techniques for information extracting from applications and issues. <i>Journal of Mechanics of Continua and Mathematical Sciences</i>, 5, 324-332. https://doi.org/10.26782/jmcms.spl.5/2020.01.00026 10. Bhupalrao, S., Basha, S. R., & Ravi Kumar, G. (2020). A comparative approach of text mining: Classification, clustering, and extraction techniques. <i>Journal of Mechanics of Continua and Mathematical Sciences</i>, 5, 120-131. https://doi.org/10.26782/jmcms.spl.5/2020.01.00010				

11. Ravi Kumar, G., & Kondanna, K. (2020). A novel approach with co-occurring terms for understanding search queries, tweets or news titles. *International Journal of Analytical and Experimental Modal Analysis*, 12(7), 209-213.DOI:18.0002.IJAEMA.2020.V12I7.200001.015685900107
12. Basha, S. R., Rani, J. K., Yadav, J. J. C. P., & Ravi Kumar, G. (2019). Impact of feature selection techniques in text classification: An experimental study. *Journal of Mechanics of Continua and Mathematical Sciences*, 3, 39-51. <https://doi.org/10.26782/jmcms.spl.3/2019.09.00004>
13. Ravi Kumar, G., Tirupathaiah, K., & Reddy, B. K. (2019). Client churn prediction of banking and fund industry utilizing machine learning techniques. *International Journal of Computer Sciences and Engineering*, 7(6), 871-875, <https://doi.org/10.26438/ijcse/v7i6.842846>
14. Ravi Kumar, G., & Nagamani, K. (2018). Banknote authentication system utilizing deep neural network with PCA and LDA machine learning techniques. *International Journal of Recent Scientific Research*, 9(12), 30036-30038,DOI: 10.24327/IJRSR,December 2018.
15. Mesa, P., & Ravi Kumar, G. (2016). A novel approach for missing value imputation using clustering algorithm. *International Journal of Advancement in Engineering Technology, Management & Applied Science Research*, 4(2), 2249-3224.
16. Lakshmaiah, M. V., Ravi Kumar, G., & Pakardin, G. (2015). Framework for finding association rules in big data by using Hadoop Map/Reduce tool. *International Journal of Advance and Innovative Research*, 2(1), 6-9, [https://iaraedu.com/ijair/IJAIR%20Volume%202,%20Issue%201\(I\)%20January%20-%20March%202015%20-%20New.pdf](https://iaraedu.com/ijair/IJAIR%20Volume%202,%20Issue%201(I)%20January%20-%20March%202015%20-%20New.pdf)
17. Ravi Kumar, G., Ramachandra, G. A., & Nagamani, K. (2014). An efficient feature selection system for integrating SVM with genetic algorithm for large medical datasets. *International Journal of Advanced Research in Computer Science and Software Engineering*, 4(2), 272-277, DOI: <https://www.researchgate.net/publication/280922177>
18. Ravi Kumar, G., Ramachandra, G. A., & Nagamani, K. (2013). An efficient classification system for medical diagnosis using SVM. *International Journal of Latest Technology in Engineering, Management and Applied Sciences*, 2(12), 78-85.<https://www.ijltemas.in/DigitalLibrary/Vol.2Issue12/78-85.pdf>
19. Ravi Kumar, G., Kongara, V. S., & Ramachandra, G. A. (2013). An efficient ensemble-based classification technique for medical diagnosis. *International Journal of Latest Technology in Engineering, Management and Applied Sciences*, 2(8), 5-9. <https://www.ijltemas.in/DigitalLibrary/Vol.2Issue8/05-09.pdf>
20. Ravi Kumar, G., Ramachandra, G. A., & Nagamani, K. (2013). An efficient prediction of breast cancer data using data mining techniques. *International Journal of Innovations in Engineering and Technology*, 2(4), 139-144,
21. G. Ravi Kumar Dr. G. A. Ramachandra & K. Nagamani, "An Efficient Weighted Association Rule Mining Algorithm without Pre assigned Weights", *International Journal of Contemporary Research in Management, Engineering and Health Sciences*, Vol. No: 001, Issue No: 001, Pages: 500-503, ISSN-2320-1185(Feb 2013)
22. G. Ravi Kumar & K. Nagamani, "A Framework of an Association Rule Based Classification", *International Journal of Contemporary Research in Management, Engineering and Health Sciences*, Vol. No: 001, Issue No: 001, Pages: 88-91, ISSN-2320-1185 (Feb 2013)

23. G. Ravi Kumar, Dr. G. A. Ramachandra & G. Sunitha, "An Evolutionary Algorithm for finding Association rules using Boolean approach" International Journal of Computer Engineering Science, Volume-1, Issue-3. Pages:34-39: ISSN:2250-3439, Publisher: NishantDoshi.
24. G. Ravi Kumar, Dr. G. A. Ramachandra & K. Nagamani, "Allocation Strategic for Detection of Data Misuse using Data Mining Techniques", International E-Journal of Mathematics & Engineering, Volume – 2, Issue–2, Pages: 981-984, ISSN:0976-1411.

Conference Proceedings

1. Ravi Kumar, G., Seshanna, K., & Nagamani, K. (2021). Performance assessment of supervised learning calculations on credit card default characterization. *Procedia of International Conference on Machine Learning and Data Analytics (ICMLDA 2020)*, 63-69. ISBN: 978-93-90471-47-8.
2. Basha, S. R., Ravi Kumar, G., & G, A. (2021). Dimensionality reduction and improved similarity measures for high-dimensionality documents using text classification and clustering. *Procedia of International Conference on Machine Learning and Data Analytics (ICMLDA 2020)*, 30-48. ISBN: 978-93-90471-47-8.
3. Ravi Kumar, G., Ramachandra, G. A., & Nagamani, K. (2011). Discovering association rules from large databases. *Proceedings of International Conference on Advanced Mathematics & Computational Methods (AMCM)*, Volume-II, 10-14. ISBN: 978-9381177-04-4.
4. Nagamani, K., Lakshmaiah, M. V., Reddy, M. S., & Ravi Kumar, G. (2011). Evolutionary multi-purpose clustering for overlapping clusters detection. *Proceedings of 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011)*, 407-411. IEEE. ISBN: 978-1-4244-9241-1.
5. Ravi Kumar, G., Ramachandra, G. A., & Nagamani, K. (2011). Intrusion detection system using genetic algorithms. *Proceedings of Biannual International Conference on Contemporary Issues in Management and Technology (ICIMT-2011)*, Volume I, 92-96. ISBN: 978-81-921739-2-4.
6. Ravi Kumar, G., Ramachandra, G. A., & Raghuram, I. S. (2011). A framework of an association rule mining algorithm. *Proceedings of International Conference on Business, Engineering and Industrial Applications (ICBEIA-2011)*, Volume II, 158-162. ISBN: 978-81-921739-4-8.
7. Ravi Kumar, G., Sunitha, G., & Basha, S. M. (2011). A study on grid computing. *Proceedings of International Conference on Business, Engineering and Industrial Applications (ICBEIA-2011)*, Volume II, 148-151. ISBN: 978-81-921739-4-8.
8. Ravi Kumar, G., & Nagamani, K. (2013). A framework of an association rule-based classification. *International Conference on the theme What Moves the Growth? Challenges and Opportunities in Management and Engineering* (Pune, February 15-16, 2013).
9. Ravi Kumar, G., Ramachandra, G. A., & Nagamani, K. (2013). An efficient weighted association rule mining algorithm without pre-assigned

weights. *International Conference on the theme What Moves the Growth? Challenges and Opportunities in Management and Engineering* (Pune, February 15-16, 2013).

10. Ravi Kumar, G., Ramanjaneyulu, M., & Nagamani, K. (2014). An efficient classification of medical diagnosis using KNN method. *Proceedings of National Conference on Emerging Trends in Engineering & Technology (NCETET-2014)*, Volume II, 5-8. ISBN: 978-93-83459-35-3.
11. Ravi Kumar, G., Lakshmaiah, M. V., & Nagamani, K. (2015). Cloud computing services in higher education. *National Seminar on Innovations in Science Education: A Research-Oriented Approach*, 135-137. ISBN: 978-93-82163-92-3.
12. Ravi Kumar, G., Lakshmaiah, M. V., & Pakardin, G. (2015). Framework for finding association rules in big data by using Hadoop Map/Reduce tool. *International Conference on Innovative Strategies Being Adopted in Management, Technology & Social Sciences*, Kohima, India (February 14, 2015).
13. Ravi Kumar, G., & Lakshmaiah, M. V. (2015). Survey and research challenges of cloud computing for different services. *Proceedings of International Conference on Human Computer Interaction-Redefining Corporate Paradigms*, Women's Christian College, Chennai, India, 184-187. ISBN: 978-81-92950-45-7.
14. Ravi Kumar, G., & Nagamani, K. (2019). A framework of dimensionality reduction utilizing PCA for neural network prediction. *Proceedings of the International Conference on Data Science and Management (ICDSM-2019)*, Lecture Notes on Data Engineering and Communications Technologies, Springer Publishing House.
15. Bala, D. H., Hanumanthappa, M., & Ravi Kumar, G. (2019). An efficient feature selection for liver cancer prediction utilizing SVM algorithm. *Proceedings of the International Conference on Data Science and Management (ICDSM-2019)*, Lecture Notes on Data Engineering and Communications Technologies, Springer Publishing House.
16. Ravi Kumar, G., Sheshanna, K. V., & Nagamani, K. (2020). Sentiment analysis for airline tweets utilizing machine learning techniques. *The Springer International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2020)*, Institute of Engineering, Tribhuvan, Nepal, 23-24 January 2020, EAI/Springer Innovations in Communication and Computing, ISSN: 2522-8595.
17. Ravi Kumar, G., & Babu, G. A. (2020). Feature extraction for software defect detection utilizing neural network with random forest. *The Springer International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2020)*, Institute of Engineering, Tribhuvan, Nepal, 23-24 January 2020, EAI/Springer Innovations in Communication and Computing, ISSN: 2522-8595.
18. Ravi Kumar, G., Sheshanna, K. V., & Nagamani, K. (2020). Performance assessment of supervised learning calculations on credit card default characterization. *International Conference on Machine Learning and Data Analytics (ICMLDA 2020)*, Department of Computer Science, SV University, Tirupati, July 18-19, 2020.

19. Basha, S. R., Ravi Kumar, G., & Babu, G. A. (2020). Dimensionality reduction and improved similarity measures for high-dimensionality documents using text classification and clustering. *International Conference on Machine Learning and Data Analytics (ICMLDA 2020)*, Department of Computer Science, SV University, Tirupati, July 18-19, 2020.

Books / Chapters

1. Ravi Kumar, G., Nagamani, K., & Babu, G. A. (2020). A framework of dimensionality reduction utilizing PCA for neural network prediction. *Lecture Notes on Data Engineering and Communications Technologies*, 37, 173-180. Springer Nature Singapore. <https://doi.org/10.1007/978-981-15-0978-0>
2. Ravi Kumar, G., Sheshanna, K. V., Basha, S. R., & Reddy, P. K. (2021). An improved decision tree classification approach for expectation of cardiocogram. *Proceedings of International Conference on Computational Intelligence, Data Science and Cloud Computing*, 62, 327-333. Springer Nature Singapore. https://doi.org/10.1007/978-981-33-4968-1_26
3. Ravi Kumar, G., Sheshanna, K. V., Basha, S. R., & Babu, G. A. (2022). An experimental investigation of principal component analysis-based intrusion detection approach utilizing machine learning algorithms. *Lecture Notes on Data Engineering and Communications Technologies*, 68. Springer Singapore. https://doi.org/10.1007/978-981-16-1866-6_18
4. Ravi Kumar, G., Murthuja, P., Babu, G. A., & Nagamani, K. (2022). An efficient email spam detection utilizing machine learning. *Lecture Notes on Data Engineering and Communications Technologies Approaches*, 96, 141-151. Springer Nature Singapore. https://doi.org/10.1007/978-981-16-7167-8_11
5. Ravi Kumar, G., Sheshanna, K. V., Basha, S. R., & Kumar Reddy, P. K. (2021). Sentiment analysis for airline tweets utilizing machine learning techniques. In Raj, J.S. (Ed.), *International Conference on Mobile Computing and Sustainable Informatics, ICMCSI 2020*. Springer. https://doi.org/10.1007/978-3-030-49795-8_75
6. Ravi Kumar, G., Basha, S. R., & Babu, G. A. (2021). Feature extraction for software defect detection utilizing neural network with random forest. In Raj, J.S. (Ed.), *International Conference on Mobile Computing and Sustainable Informatics, ICMCSI 2020*. Springer. https://doi.org/10.1007/978-3-030-49795-8_74

Patents

Basuthkar Mahesh, K.Pavan Kumar, S.BaskarNaik, Dr.G.Ravi Kumar and Dr.K.Nagamani, "A Computer Vision System to Assess Autism and its Symptoms using Machine Learning and AI Techniques", Patent Application No: 202241047458 A, Publication Date:26-08-2022, No.of Pages:10, No.of Claims:7

Research Projects

Sanctioned a project to Promotion of Data Science as a discipline, Rs.3,00,000, Dept. of Science & Technology, 2016

1 8	Profile ID's	ORCID: https://orcid.org/0000-0001-6977-2234 Google Scholar Profile Link: https://scholar.google.co.in/citations?hl=en&user=ffQ6JWAAAAAJ VIDWAN Profile ID: 611140
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SIGNATURE OF FACULTY