

## Dr.Reddi Kiran Kumar

M.Tech,Ph.D

Assistant Professor,  
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### Summary

- **18+ years experience in Teaching and College Administration.**
- Planned, directed, and coordinated activities of designated projects in both academic and non-academic streams.
- Guided and Developed many software tools for smooth administration of the college.
- Organized and Conducted many seminars, work-shops and training programs.
- Experience in student affairs and counseling.
- Participated in Refresher Courses and National, International seminars.

### Present Position

- Working as Assistant Professor in Department of Computer Science, Krishna University, Machilipatnam since October, 2009 to till date.

### Administrative Experience:

- Principal I/c, Krishna University College of Engineering & Technology from 19<sup>th</sup> June, 2017.
- Coordinator, Centre for Research Studies, Krishna University from 28<sup>th</sup> September, 2015.
- Head I/c, Department of Computer Science, Krishna University from 3<sup>rd</sup> June, 2015 to 3<sup>rd</sup> July, 2017.
- Coordinator, IQAC, Krishna University from January, 2014 to April, 2016.
- Officer In-Charge (Examinations), Krishna University from October, 2011 to May, 2013.
- Director of Research Admissions, Krishna University, Machilipatnam from July, 2010 to July, 2011.
- Controller of Examinations I/c, Krishna University, Machilipatnam from December, 2010 to June, 2011.
- Member ,Board of Studies, Computer Science, Krishna University, Machilipatnam
- In charge, Computer Centre, Krishna University, Machilipatnam from December, 2010 to July, 2017.
- Principal, AITAM School of Computer Science & Management, from May 2009 to October,2009
- Head of the Department of MCA, AITAM, Tekkali from August, 2008 to October,2009

### Professional History

- Worked as Professor in MCA Department, AITAM, Tekkali from March, 2009 to October, 2009.
- Worked as Associate Professor in MCA Department, AITAM, Tekkali from June, 2008 to February,2009

- Worked as Associate Professor in MCA Department, D.M.S.S.V.H College of Engineering from August 2006 to June 2008 and ratified by **Acharya Nagarjuna University**.
- Worked as Lecturer in MCA Department, D.M.S.S.V.H College of Engineering from July 2001 to August 2006 and ratified by **Acharya Nagarjuna University**.
- Worked for The Hindu College as Lecturer in Department of Computer Science and Management from July 1999 to July 2001.

## Qualifications

- PhD (Computer Science and Engineering) from Acharya Nagarjuna University, India.
- M.Tech (Computer Science and Engineering) from JNTU, Kakinada, India.
- MCA (Master of Computer Applications) from Andhra University, India.
- B.Sc. from Andhra University, India.

## Ph.D Thesis Awarded /Submitted

### Awarded:

1. Ph. D awarded to Mrs.R.Usha Rani for the thesis entitled "A Computational Intelligence Regression Model for Rainfall Prediction" from Krishna University on 01/10/2016.
2. Ph.D awarded to Mr. P.Sitarama Murthy for the thesis entitled " A Novel offline and Real-time network Intrusion Detection and Prevention Framework using Machine Learning Models" from JNTU Kakinada on 21/02/2017.
3. Ph.D awarded to Mr. E.Vamsidhar for the thesis entitled "An Improved Feature Selection and Parameter Optimization using Hybrid Cuckoo Search for Compressed Medical Image Classification" from JNTU Kakinada on 18/07/2017.
4. Ph.D awarded to Mr.J.Hari Kiran for the thesis entitled" Efficient Techniques for Microarray Image Analysis" from JNTU Kakinada on 11/08/2017
5. Ph. D awarded to Mr.V.Sambasiva Rao for the thesis entitled "An Effective Model for Disease Prediction using Data Mining Techniques" from Krishna University on 16/08/2017.

### Submitted:

1. Ph.D thesis entitled "Computational pathway, domain detection analysis and phylogenetic tree reconstruction of Mitogen Activated Protein Kinases (MAPKs) and In silico molecular docking of bipyrazoles as possible p38 $\alpha$  inhibitors" by Mr.N.Deepak submitted to JNTU Kakinada on 08/10/2016.
2. Ph.D thesis entitled "Identification of Novel CDK inhibitors by molecular docking and consensus scoring approach and virtual screening of Telmisartan analogs as possible CDK Cell cycle inhibitors" by Mr.K.Satyanarayana submitted to JNTU Kakinada on 08/10/2016.
3. Ph.D thesis entitled "Software Effort Estimation Approach Using Particle Swarm Optimization Mutated Generalized Regression Neural Network" by Mr.P.Sankara Rao submitted to JNTU Kakinada on 18/01/2017.
4. Ph.D thesis entitled "A Novel Approach for Hyperspectral Image Classification Using Information Dimensionality Reduction and Hierarchical Image Fusion"" by Mrs.B.Saichandana submitted to JNTU Kakinada on 01/05/2017.
5. Ph.D thesis entitled "A New Horizon for Recommendation: Evaluation of Structured, Semi-Structured and Unstructured Big Data to aid Decision Making "by Mrs. DNVSLS Indira to Krishna University on 16/08/2017.

6. Ph.D thesis entitled "A Machine Learning Approach for Effective Classification of Defect-Prone Software Modules "by Mr.S.V.Achuta Rao to Krishna University on 08/09/2017.

## Publications

### Books & Book Chapters:

1. Object Oriented Programming in Java, Himalaya Publishing House Pvt. Ltd., Mumbai, India, ISBN: 978-93-5262-435-5, 2017.
2. Bioinformatic Analysis of Alzheimer's disease, Scholars' Press, Omni Scriptum GmbH & Co. KG, Germany, ISBN: 978-3-639-70510, December, 2013.
3. Computational Intelligence Techniques in Health Care, Ayush to Kidney (A to K) Data Science Model for Diagnosis and to Advice through an Expert System
4. Application of Computational Intelligence to Biology, Springer Briefs in Applied Sciences & Technologies, ISBN: 978-981-10-0390-5 (Print) 978-981-10-0391-2 (Online), 2016, Satyanarayana Kotha, Yesu Babu Adimulam and R. Kiran Kumar, Computational Screening of DrugBank DataBase for Novel Cell Cycle Inhibitors, pp.61-70,
5. Application of Computational Intelligence to Biology, Springer Briefs in Applied Sciences & Technologies, ISBN: 978-981-10-0390-5 (Print) 978-981-10-0391-2 (Online), 2016, N. Deepak, Yesu babu Adimulam and R. Kiran Kumar, Pathway Analysis of Highly Conserved Mitogen Activated Protein Kinases (MAPKs), pp.71-82
6. Application of Computational Intelligence to Biology, Springer Briefs in Applied Sciences & Technologies, ISBN: 978-981-10-0390-5 (Print) 978-981-10-0391-2 (Online), 2016, Duggineni Kalyani, Naresh Babu Muppalaneni, Ch Ambedkar and Kiran Kumar Reddi, Identification of Drug Targets from Integrated Database of Diabetes Mellitus Genes Using Protein-Protein Interactions,Pp.83-86.

### International Journals:

1. D.Suneetha ,**Dr. R. Kiran Kumar**, A Novel Algorithm for Enhancing the Data Storage Security in Cloud through Steganography, Advances in Computational Sciences and Technology ISSN 0973-6107 Volume 10, Number 9 (2017) pp. 2737-2744
2. G. Sai Chaitanya Kumar, **Dr. Reddi Kiran Kumar**,Dr. G. Apparao Naidu, A New Methodology for Noise Removal and Segmentation in Microarray Images, International Journal of Electronics Engineering Research, ISSN 0975-6450 Volume 9, Number 1 (2017) pp. 87-98
3. Davuluri Suneetha, **Dr. R.Kiran Kumar**, Data Hiding Using Fibonacci EDGE Based Steganography for Cloud Data, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 16 (2017) pp. 5565-5569 .
4. Panyam Babu Veera Prasad, **Dr. Kiran Kumar Reddi**, Is Risk Management A Reactive Crisis Management Or Proactive Risk Control Management That Is Most Essential For Successful Projects?, INTERNATIONAL Journal of Advanced Research, ISSN 2320-5407, VOI.5 (8), August, 2017.
5. Panyam Babu Veera Prasad, **Dr. Kiran Kumar Reddi**, Is Leadership Is A Reactive Or Proactive That Is Most Essential For Successfully Managing Projects?, , International Journal of Advanced Research, ISSN 2320-5407, VOI.5 (7), August, 2017.
6. G. V. Bhanu Sai Prasad, V. B. N. V Sai, **Dr. Kiran Kumar Reddi**, Challenges of Project Management Aligning to the Process Groups that can fulfil the clients' expectations, International Journal of Advanced Research, ISSN 2320-5407, VOI.5 (6), July, 2017.
7. Vallabhajosyula Bala Naga Venkata Sai, G. V. Bhanu Sai Prasad· **Dr.Kiran Kumar Reddi**, Project

Managers Forward Shift on Management Areas Aligning Process Groups Resulting a Profitable Software Project, International Journal of Advanced Research, ISSN 2320-5407, Vol.5 (6), July, 2017.

8. Kudipudi Srinivas , **R. Kiran Kumar**, L. L. Surya Prasanthi, An Empirical Comparative Study of Classification Algorithms for Class Imbalance Data, International Journal of Computer Science and Information Security , ISSN: 1947-5500, July 2017, Vol. 15 No. 7,pp 36-41.
9. G.Sai Chaitanya Kumar, **Dr.Reddi Kiran Kumar**, Dr.G.Apparao Naidu, Variational Mode Decomposition and Multiple Feature Segmentation on Microarray Images, International Journal of Computational Intelligence Research ISSN 0973-1873 Volume 13, Number 7 (2017), pp. 1777-1787.
10. G.Sai Chaitanya Kumar, J.Hari Kiran, **Dr.Reddi Kiran Kumar**, Dr.G.Apparao Naidu, SLIC Superpixel based Fuzzy C-means Algorithm for Segmentation of Microarray Images, International Journal of Control Theory and Applications ISSN : 0974-5572 , International Science Press Volume 10, Number 31, 2017
11. Ch.Smitha Chowdary, Dr.R.Satya Prasad, **Dr.R.Kiran Kumar**, ASSESSING BURR TYPE III SOFTWARE QUALITY USING SPC, International Journal of Advance Research in Science and Engineering, Vol.6 Issue No.8, August,2017, ISSN 2319-8354, pp 469-477.
12. K.SOBHANA, Dr. R. SATYA PRASAD, **Dr. R. KIRAN KUMAR**, DETECTION OF BURR TYPE III RELIABLE SOFTWARE USING SPRT: AN ORDER STATISTIC APPROACH, Journal of Theoretical and Applied Information Technology, 28th February 2017. Vol.95. No 4, ISSN: 1992-8645, pp 849-857
13. K.Sobhana, Dr. R. Satya Prasad, **Dr. R. Kiran Kumar**, COMPARATIVE ANALYSIS OF BURR TYPE III WITH PARETO TYPE II MODEL USING SPRT: ORDER STATISTICS, International Journal of Innovative Computer Science & Engineering Volume 4 Issue 3; May-June-2017; ISSN: 2393-8528, Page No. 132-144
14. K.Sobhana, Dr. R. Satya Prasad, **Dr. R. Kiran Kumar**, Burr Type III Software Reliability Assessment Using SPC-An Order Statistics Approach , International Journal of Advance Research in Science and Engineering, Vol.6 Issue No.8, August,2017, ISSN 2319-8354 pp1267-1276
15. Ch.Smitha Chowdary, Dr.R.Satya Prasad, **Dr.R.Kiran Kumar**, An Analogy of Burr Type III and Pareto Type II using SPRT, International Journal of Innovations in Engineering and Technology (IJJET), Volume 8 Issue 3 June 2017 , ISSN: 2319-1058, pp102-103
16. M. Mary Sujatha, K. Srinivas , **R. Kiran Kumar**, Pruning Protein Protein Interaction Network in Breast Cancer Data Analysis, International Journal of Computer Science and Information Security July 2017, ISSN: 1947-5500, Vol. 15 No. 7,pp 73-75.
17. K Srinivas, **R Kiran Kumar**, M Mary Sujatha, A Study on Public Repositories of Human Protein Protein Interaction Data, International Journal of Innovations & Advancement in Computer Science, ISSN 2347 – 8616 ,Volume 6, Issue 6 June 2017, pp.6-10.
18. M. Mary Sujatha, K. Srinivas , **R. Kiran Kumar** , A Review on Computational Methods Used in Construction of Protein Protein Interaction Network, International Journal of Engineering and Management Research, ISSN (ONLINE): 2250-0758, ISSN (PRINT): 2394-6962 Volume-6, Issue-6, November-December 2016, pp .71-77.
19. G.Sai Chaitanya Kumar, **Dr.Reddi Kiran Kumar**, Dr.G.Apparao Naidu, Methods for Segmentation of Microarray Image: A Review, International Journal of Computer Science and Information Security (IJCSIS), ISSN 1947-5500 ,Vol. 14, No. 10, October 2016,pp690-697
20. **R. Kiran Kumar**, B. Saichandana, K. Srinivas, Dimensionality Reduction and Classification of Hyperspectral Images using Genetic Algorithm, Indonesian Journal of Electrical Engineering and Computer Science Vol. 3, No. 3, September 2016, pp. 503 ~ 511.
21. Ch.Smitha Chowdary, Dr.R.Satya Prasad, **Dr.R.Kiran Kumar**, Burr Type III Process Model with SPRT for Software Reliability, International Journal of Innovative Research in Advanced Engineering (IJIRAE) ISSN: 2349-2763, Issue 12, Volume 3 (December 2016),pp 74-79.

22. Ch.Smitha Chowdary, Dr.R.Satya Prasad, **Dr.R.Kiran Kumar**, Software Reliability Using SPRT: Burr Type III Process Model, International Journal of Electrical and Computer Engineering (IJECE), Vol. 6, No. 6, December 2016, ISSN: 2088-8708, pp. 3060~3067
23. K.SOBHANA, Dr. R. SATYA PRASAD, **Dr. R. KIRAN KUMAR**, BURR BASED SOFTWARE PROBABILITY RATIO TEST WITH ORDER STATISTIC International Journal of Innovative Research in Information Security (IJIRIS) ISSN: 2349-7009(P), Issue 09, Volume 3 (December 2016),pp 84-89
24. **Reddi Kiran Kumar** ,S.V. Achuta Rao, Software Defect Prediction in Class Level Metric Aggregation Using Data Mining Techniques, Research Journal of Applied Sciences, Engineering and Technology 13(7): 544-554, 2016.
25. P. Sankara Rao, **Reddi Kiran Kumar**, Generalized Regression Neural Network For Software Defect Estimation, Special Issue: Emerging Technologies in Networking and Security (ETNS), IIOABJ, Vol. 7, No.9. ISSN: 0976-3104 pp. 340-357.
26. D.N.V.S.L.S. Indira , **Dr. R. Kiran Kumar** , "Profile Screening and Recommending using Natural Language Processing (NLP) and leverage Hadoop framework for Big data", International Journal of Computer Science and Information Security (IJCSIS), Page No- 799-811, Vol. 14, No. 6, June 2016.
27. Shaik.Jakeer Hussain, **R.Kiran Kumar**, A Study on Compressed Medical Image Retrieval with Genetic Optimization, IJRCSE Vol-6, Issue-3, May -June, 2016, ISSN: 2321-5585 (Online), pp.4193-4197.
28. P. Sankara Rao, **Reddi Kiran Kumar**, An Improved Neural Network to Estimate Effort of Medical Imaging Software Development, Journal of Medical Imaging and Health Informatics, Vol. 6, No. 8, 2016 2156-7018/2016/6/1977/006 pp.1977-1982.
29. P. Sankara Rao, **Reddi Kiran Kumar**, An Effort Estimation Approach Using Hybrid General Regression Neural Network with PSO Mutation, International Journal of Control Theory and Applications, Special Issue, 2016, ISSN : 0974-5572, pp. 393-402.
30. Mrs. D.N.V.S.L.S.Indira, **Dr. R. Kiran Kumar**, Conglomeration of Instance Filtering's k-Nearest Neighborhood and Collaborative Filtering's Item based Recommendation on Airline Dataset System using Map-Reduce and Mahout, International Journal on Computer Science and Engineering (IJCE), ISSN : 0975-3397 Vol. 8 No.6 Jun 2016,pp.194-201.
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32. **Reddi Kiran Kumar**, S.V.Achuta Rao, Neural Network with Hybrid Shuffled Frog Algorithm for Software Defect Prediction, (IJCSIS) International Journal of Computer Science and Information Security, Vol. 14, No. 5, May 2016, ISSN 1947-5500, pp.392-398.
33. **Reddi Kiran Kumar**, Vamsidhar Enireddy, Cuckoo Search Framework for Feature Selection and Classifier Optimization in Compressed Medical Image Retrieval, i-manager's Journal on Image Processing, Vol. 3 | No. 1 | January - March 2016,pp.1-12.
34. Sita Rama Murty Pilla, **R Kiran Kumar**, M Sailaja, A Novel Filter Based Partitioning Decision Tree Model for Real-Time Network Security, Journal of Theoretical and Applied Information Technology, 20th January 2016. Vol.83. No.2, ISSN: 1992-8645, pp.165-172.
35. Vamsidhar Enireddy, **Reddi Kiran Kumar**, Improved cuckoo search with particle swarm optimization for classification of compressed images, *Sa`dhana`* Vol. 40, Part 8, December 2015, pp. 2271–2285.\_c Indian Academy of Sciences.
36. L.Surya Prasanthi, **R.Kiran Kumar**, ID3 and Its Applications in Generation of Decision Trees across Various Domains- Survey, International Journal of Computer Science and Information Technologies, Vol. 6 (6) , 2015, 5353-5357
37. P.Sita Rama Murty, **R.Kiran Kumar**, M.Sailaja, Robust Partition Based Classification Technique for Network Intrusion Detection, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 22 (2015) pp 42873-42876.

38. R.Usha Rani, T.K. Ramakrishna Rao, **R.Kiran Kumar**, An Efficient Machine Learning Regression Model for Rainfall Prediction, *International Journal of Computer Applications (0975 – 8887)*, Volume 116 – No. 23, April 2015, pp 25-30.
39. **Kiran Kumar Reddi et al**, Computer-aided virtual screening of Telmisartan analogues as possible CDK cell cycle inhibitors, *Int. J. Computational Biology and Drug Design, Vol. 8, No. 4, 2015, pp 359-381*.
40. Jonnadula Harikiran, B.Avinash, Dr.P.V.Lakshmi, **Dr.R.Kiran Kumar**, Automatic Gridding Method For Microarray Images, *Journal of Theoretical and Applied Information Technology*, 10<sup>th</sup> July 2014. Vol. 65 No.1
41. Chintagunta Ambedkar, **Kiran Kumar Reddi**, Naresh Babu Muppalaneni, Duggineni Kalyani, Application of centrality measures in the identification of critical genes in diabetes mellitus, *Bioinformatics* 11(2): 090-095 (2015).
42. Enireddy.Vamsidhar, **Dr.Reddi KiranKumar**, Retrieval of Compressed Medical Images Using Data Mining Techniques, *International Journal of Engineering Trends and Technology (IJETT) – Volume 20 Number 3 – Feb 2015, pp143-148*.
43. J.Harikiran, Dr.P.V.Lakshmi, **Dr.R.Kiran Kumar**, Multiple Feature Fuzzy c-means Clustering Algorithm for Segmentation of Microarray Images, *International Journal of Electrical and Computer Engineering (IJECE)* Vol. 5, No. 5, October 2015, pp. 1045~1053, ISSN: 2088-8708.
44. J.Harikiran, Dr.P.V.Lakshmi, **Dr.R.Kiran Kumar**, Vector Filtering Techniques for Impulse Noise Reduction with Application to Microarray Images, *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 10, Number 3 (2015) pp. 7181-7193.
45. B.Sai Chandana, Dr.K.Srinivas, **Dr.R.Kiran Kumar**, Clustering Algorithm Combined with Hill Climbing for Classification of Remote Sensing Image, *International Journal of Electrical and Computer Engineering (IJECE)* Vol. 4, No. 6, December 2014, pp. 923~930, ISSN: 2088-8708.
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47. **Kiran Kumar Reddi et al.**, Analysis on Different Software Metrics for Improvement of software Quality, *International Journal of Science and Innovative Mathematical Research*, Vol.2, Issue-7(A), August, 2014, pp1-7.
48. B.Sai Chandana, Dr.K.Srinivas, **Dr.R.Kiran Kumar**, Clustering Algorithm Combined with Empirical Mode Decomposition for Classification of Remote Sensing Image, *International Journal of Scientific & Engineering Research*, Volume 5, Issue 9, September-2014, ISSN 2229-5518, pp 686-694.
49. J.Harikiran, Dr.P.V.Lakshmi, **Dr.R.Kirankumar**, Fast Clustering Algorithms for Segmentation of Microarray Image, *International Journal of Scientific & Engineering Research*, Volume 5, Issue 10, October-2014 569 ISSN 2229-5518, pp no.569-574.
50. Jonnadula Harikiran, B.Avinash, Dr.P.V.Lakshmi, **Dr.R.Kiran Kumar**, Automatic Gridding Method for Microarray Images, *Journal of Theoretical and Applied Information Technology*, ISSN 1992-8645, Vol.65, No.1, pp 235-241.
51. J.Harikiran, D.RamaKrishna, B.Avinash, Dr.P.V.Lakshmi, **Dr.R.Kiran Kumar**, A New Method of Gridding for Spot Detection in Microarray Images, *Computer Engineering and Intelligent Systems*, , ISSN No.-2222-1719, Vol.5, No.3, 2014, 25-33.
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53. Satyanarayana Kotha, Yesubabu Adimulam, **Kiran Kumar Reddi**, Performance Comparison of DSDV, I-DSDV in Ad-Hoc Networks Using Random Walk Mobility Model, *International Journal of Computer Science And Technology* ISSN No.2229-4333, Vol. 4, Issue Spl - 4, Oct - Dec 2013, 286-290.
54. Dr.A.Yesu Babu, Deepak Nedunuri, **Kiran Kumar Reddi**, M.Krishna, M.M.Manohar, A Novel approach for Efficient Routing in MANET with Energy Routing Algorithm, *International Journal of Computer Science And Technology*, ISSN No.2229-4333, Vol. 4, Issue Spl - 4, Oct - Dec 2013, 63-65.

55. **Kiran Kumar Reddi**, DnvsIs Indira, Different Techniques to Transfer Big data: a Survey, Int. Journal of Engineering Research and Applications, Vol. 3, Issue 6, Nov-Dec 2013, pp.708-711.
56. **R.Kiran Kumar**, M.Nanchariah, B.H.H.Pavan kumar, Detection of cyber attack through probability based Data mining technique, International Journal of Engineering Research & Technology, Vol. 2 Issue 9, September – 2013,2663-2669.
57. **Kiran Kumar Reddi**, Integrating Fuzzy C-Means Clustering Technique with K-Means Clustering Technique for CBIR, International Journal of Computers and Distributed Systems, Vol. No.3, Issue III, Aug-Sep 2013,1-7.
58. **R Kiran Kumar**, Pilla Sita Rama Murty, M.V. Durga Rao, D. John Subuddhi, Learning Data: Intrusion Detection, International Journal of Computer Science And Technology, Vol. 4, Issue 3, July - Sept 2013, 192-195.
59. **Dr. Kiran Kumar Reddi** , Vallabhajosula Bala Naga Venkata Sai, A Project manager being a tenth planet managing the other nine planets of Project management for a successful project delivery, International Journal of Science, Engineering and Technology Research, Volume 2, Issue 1, January 2013,206-214.
60. **Dr. R.Kiran Kumar** , G.V.Bhanu Sai Prasad, What Challenges are to be prioritized by the Project manager to gain Stake holders or Customer's Confidence?, International Journal of Science, Engineering and Technology Research, Volume 2, Issue 1, January 2013, 96-102.
61. Vamsidhar Enireddy, **Dr. Kiran Kumar Reddi**, Application of CART and IBL for Image Retrieval, International Journal of Computer Science and Telecommunications, Volume 3, Issue 12, December 2012, 62-66.
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68. Parasana Sankara Rao , **Kiran Kumar Reddi**, Performance Evaluation of Regression Techniques for Effort Estimation, International Journal of Computer Applications, Volume 52– No.6, August 2012, 8-12.

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73. **Kiran Kumar Reddi**, Panyam Babu Veera Prasad ,Kranthi Kumar Reddi, Is it Project Manager or Project Leader that is most needed for successfully Managing Projects” International Journal of Data Modelling and Knowledge Management, Volume2, No.1, January-June, 2012,79-87.
74. M.Laxman Rao, **Kiran Kumar Reddi** , Application of Association Rule mining in postal Service, International Journal of Advances Computer Engineering and Architecture, Volume2, No.1, January-June 2012,27-30.
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79. J.Harikiran, B.Saichandana, B.Siva Lakshmi, **Reddi Kiran Kumar**, Noise Removal in Microarray Image using Bi-dimensional empirical mode decomposition and wavelet transform, International Journal of Software Engineering Research, Volume 2, No.s 1-2, January-December 2012, 79-84.
80. Mohammed Abdul Sayeed, **R.Kiran Kumar**, Security Issues using dynamic source routing and RIP in adhoc wireless networks, International Journal of Software Engineering Research, Volume 2, No.s 1-2, January-December 2012,97-101.
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90. Dr. ALLAM APPARAO, **Dr. R.KIRAN KUMAR**, Huffbit Compress – Algorithm to Compress DNA Sequences Using Extended Binary Trees. *Journal of Theoretical and Applied Information Technology, Vol.13, No.02, 2010, 101-106.*
91. **Kiran Kumar Reddi**, Ali Mirza Mahmood, K.Mrithyumjaya Rao, Generating Optimized Decision Tree Based on Discrete Wavelet Transform, *International Journal of Engineering Science and Technology, Vol. 2(3), 2010, 157-164*
92. Ali Mirza Mahmood, K.Mrutunjaya Rao, **Kiran Kumar Reddi**, A Novel Algorithm for Scaling up the Accuracy of Decision Trees. (IJCSE) *International Journal on Computer Science and Engineering, Vol. 02, No. 02, 2010, 126-131.*
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94. Hanuman Thota, Allam Appa Rao, **Kiran Kumar Reddi**, Sivaprasad Akula, Suresh Babu Changalasetty, Gedela Srinubabu, Alzheimer's disease care and management: Role of information technology, *Bioinformation, 2(3): 91-95 (2007).*

#### **National & International Conference Proceedings:**

1. K.Sobhana, Dr. R. Satya Prasad, **Dr. R. Kiran Kumar**, Burr Type III Software Reliability Assessment Using SPC-An Order Statistics Approach, 5<sup>th</sup> International Conference on Emerging Trends in Engineering Technology Science and Management, IETE Bengaluru, held on 20<sup>th</sup> August, 2017. ISBN 978-93-86171-60-3, pp 496-505.

2. Ch.Smitha Chowdary, Dr.R.Satya Prasad, **Dr.R.Kiran Kumar**, ASSESSING BURR TYPE III SOFTWARE QUALITY USING SPC, 10<sup>th</sup> International Conference on Recent Trends in Engineering Science and Management, held on 12<sup>th</sup> -13<sup>th</sup>, August, 2017, ISBN 978-93-86171-56-6, pp388-396.
3. D.N.V.S.L.S. Indira , **Dr. R. Kiran Kumar** , "Recommending an Item from users Opinion or Sentiment on a given Hashtag using Twitter Data", 6<sup>th</sup> International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2017), held on 11<sup>th</sup> June 2017, IETE, Lodhi Road, India
4. Srinivas Mudepalli, Dr.V.Srinivasa Rao, **Dr.R.Kiran Kumar**, An efficient data retrieval approach using blowfish encryption on cloud Cipher Text Retrieval in Cloud Computing, International Conference on Intelligent Computing and Control Systems ICICCS 2017, [978-1-5386-2745-7/17/\\$31.00@2017IEEE](https://doi.org/10.1109/ICICCS2017.7881111) .pp.267-271.
5. D.N.V.S.L.S. Indira , **Dr. R. Kiran Kumar** , "Polarity Classification and Intensification based on Emoticons and POS Tagging on Twitter Data", IEEE Sponsored 4<sup>th</sup> International Conference on Innovations in Information Embedded and Communication Systems (IEEE-ICIIECS'2017), held on 17<sup>th</sup> and 18<sup>th</sup> March 2017, Karpagam College of Engineering, Coimbatore, Tamilnadu, India
6. L. Surya Prasanthi, **R. Kiran Kumar**, Kudipudi Srinivas "A Novel Random Forest Approach Using Specific Under Sampling Strategy", Data Engineering and Intelligent Computing Proceedings of IC3T 2016, Advances in Intelligent Systems and Computing ISBN 978-981-10-3222-6 ISBN 978-981-10-3223-3 (eBook) DOI 10.1007/978-981-10-3223-3, Vol.542, pp259.
7. Parasana Sankara Rao, **Reddi Kiran Kumar**, Software Effort Estimation through a Generalized Regression Neural Network, *Emerging ICT for Bridging the Future – Volume 1* Advances in Intelligent Systems and Computing 337, DOI: 10.1007/978-3-319-13728-5\_3 © Springer International Publishing Switzerland 2015, pp 19-30.
8. B. Saichandana, S. Ramesh, K. Srinivas, and **R. Kiran Kumar**, Image Fusion Technique for Remote Sensing Image Enhancement, *ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of CSI - Volume II*, Advances in Intelligent Systems and Computing 249, DOI: 10.1007/978-3-319-03095-1\_26, © Springer International Publishing Switzerland 2014, pp 235-242.
9. Mrs.R.Vijayakumari, **Dr.R.Kirankumar**, Dr.K.Gangadhar, Comparative analysis of Google File System and Hadoop Distributed File System, Proceedings of International Conference on Emerging Trends in Engineering Technology & Science, Malla Reddy Institute of Engg. & Technology, Hyderabad, February, 2014.
10. S.V.Achuta Rao, **Dr.Kiran Kumar**, Shaik Amjan, Mining Techniques & Object Oriented Design Software, , Proceedings of the National Conference on Modern Trends in Computer Science and Technology (NCMTCS-2013), ECET, Hyderabad, May, 2013.
11. **Dr. R. Kiran Kumar**, M. L. Phanendra J. Lalita Smriti, Clustering Based Segmentation of Microarray Image, Proceedings of the National Conference on Emerging Trends in Information Technology (NCETIT-2013), April, 2013, pp. 48-52, ELSEVIER, A division of Reed Elsevier India Pvt. Ltd.
12. B.Sai Chandana, M.L.Phanendra, Samuel Wesley Babu, Dr.K.Srinivas, **Dr.R.Kiran Kumar**, Remote Sensing Image Classification based on Clustering Algorithms, IEEE International Conference on Advanced Research in Engineering and Technology, ICARET -2013, KL University.
13. M. Sailaja, **R. Kiran Kumar**, P. Sita Rama Murty, P.E.S.N. Krishna Prasad A Novel Approach for Intrusion Detection Using Swarm Intelligence, Proceedings of the InConINDIA 2012, AISC 132, pp. 469–479. [springerlink.com\\_c Springer-Verlag Berlin Heidelberg](https://doi.org/10.1007/978-3-642-28111-1_47) 2012.

14. J.Harikiran, M.Phanendra, N.N.Swamy, Dr.P.V.Lakshmi, **Dr.R.Kiran Kumar**, K-Means with Bi-dimensional Empirical Mode Decomposition for Segmentation of Microarray Image, Proceeding [CCSEIT '12](#), Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology, Pages 427-433, [ACM](#) New York, NY, USA ©2012.
15. J.Harikiran, Y.NarasimhaRao, B.Saichandana, Dr.P.V.Lakshmi, **Dr.R.Kiran Kumar**, Spot Edge Detection in Microarray Images Using Bi-Dimensional Empirical Mode Decomposition, C3IT-2012, Procedia Technology 4(2012), Sciverse ScienceDirect, ELSEVIER Ltd.
16. Hanuman Thota, Nageswara Rao K, Suresh Babu Changalasetty, Appa Rao Allam, Ramachandra Sridhar Gumpeny, Undurti N Das, **R Kiran Kumar**, TK Rama Krishna Rao, Aldose Reductase and Nitric Oxide Synthase Role in Diabetic Retinopathy: A Bioinformatics Study. [BIOCOMP 2007](#): 72-75.

**Conferences/workshops/seminars/others:**

**Organized:**

S.No.	Particulars	Role	Year
1.	International Conference on Bioinformatics and Diabetes Mellitus (ICBDM 2006), 25th -27th March, Andhra University, Visakhapatnam.	Member	2006
2.	e-Tricks, September, Aditya Institute of Technology and Management, Tekkali.	Convener	2009
3.	National Seminar on "Recent Trends in Information and Communication Technology" (RTICT2011), 7th-8th, January, 2012, Krishna University, Machilipatnam.	Treasurer & Co convener	2012
4.	Two Day Workshop on Assessment and Accreditation A Tool to Enhance Quality and Excellence in Higher Education, 23rd & 24th January, 2014, Krishna University, Machilipatnam.	Member	2014
5.	Two Day NAAC awareness workshop on "Need of Assessment and Accreditation in enhancing quality of Higher Education", 5th & 6th February, 2015, Krishna University, Machilipatnam.	Co-Coordinator	2015
6.	National Seminar on Recent Trends in Information and Communication Technology, 30th & 31st, March, 2015, Krishna University, Machilipatnam.	Convener	2015
7.	Regional Level Awareness Programme on "Choice Based Credit System & Skill Development in Higher Education" IOAC, Krishna University, 31st August, 2015	Coordinator	2015

**Participated and Paper Presented:**

SI.No.	Particulars	Year
1.	International Conference on Bioinformatics and Diabetes Mellitus (ICBDM 2006), 25th -27th March, Andhra University, Visakhapatnam.	2006
2.	International Workshop on Transdisciplinary Education and	2007

	Research (IWTER 2007), 23rd & 24 <sup>th</sup> October, 2007, Andhra University, Visakhapatnam.	
3.	International Conference on Coalescence of Computer Science & Biotechnology (CCSB 2009), 16 <sup>th</sup> & 17 <sup>th</sup> February, 2009, Sanketika Vidya Parishad & Andhra University, Visakhapatnam.	2009
4.	Workshop on OOAD using UML with Rational Rose & RUP, IBM	2009
5.	National Workshop on Bioinformatics, 30 <sup>th</sup> September, Prasad V Potluri Siddhartha Institute of Technology, Vijayawada.	2010
6.	Workshop on Image Processing, 28 <sup>th</sup> -30 <sup>th</sup> , October, Aditya Institute of Technology and Management, Tekkali.	2010
7.	Orientation Course, 5 <sup>th</sup> September - 1 <sup>st</sup> October, JNTU, Hyderabad Obtained 'A' Grade.	2011
8.	International Conference on Bioinformatics and Beyond, 30 <sup>th</sup> , November - 1 <sup>st</sup> December, JNTU Kakinada & DST	2011
9.	National Workshop on "Multicore Computing: Hands on exposure to practical open MP programming, 22 <sup>nd</sup> , October, Aditya Institute of Technology and Management, Tekkali .	2011
10.	National Seminar on "Recent Trends in Information and Communication Technology" (RTICT2011) , 7-8, January, Krishna University , Machilipatnam.	2012
11.	National Seminar on "Recent Trends in Information and Communication Technology", February, IDEAL college, Kakinada	2012
12.	National Seminar on Micro Finance, February, Dept. of Business Management, Krishna University, Machilipatnam.	2012
13.	National Seminar on "Artificial Intelligence & Expert Systems", 8 <sup>th</sup> October, PB Siddhartha College of Arts & Science, Vijayawada in association with Computer Society of India.	2012
14.	Refresher Course on "Free and Open Source Software" Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad during 25.02.2013 to 16.03.2013 Sponsored by UGC.	2013
15.	National Conference on Emerging Trends in Information Technology (NCETIT-2013), March, GITAM University, Visakhapatnam.	2013
16.	National Conference on Modern Trends in Computer Science and Technology (NCMTCST-2013), May, ECET, Hyderabad.	2013
17.	National Seminar on Role of Autonomy and Quality Assurance in Higher Education: Issues & Challenges, July, IQAC, Gayatri Vidya Parishad (Autonomous) College, Visakhapatnam	2013
18.	National Seminar on "Recent Trends in Digital Image Processing and Applications", Yogi Vemana University, Kadapa	2014
19.	International Conference on Emerging Trends in Engineering Technology & Science, Malla Reddy Institute of Engg. & Technology, Hyderabad.	2014
20.	National Conference on Recent Trends in Information Technology, PVP Siddhartha Institute of Technology, Vijayawada.	2014
21.	National Seminar on Foreign Direct Investment in Services sector in emerging Economy: Opportunities and Challenges, Krishna	2014

	University, Machilipatnam.	
22.	Two Day Workshop on "Bioinformatic Tools in Diabetic Research", Institute of Bioinformatics and Computational Biology (IBCB), Visakhapatnam and JNTU, Kakinada, 16 <sup>th</sup> &17 <sup>th</sup> , August, 2014.	2014
23.	Two Day UGC Sponsored National Seminar on "The Role of Mathematics and Information Sciences in Design of Sophisticated Systems", Andhra Loyola College, Vijayawada.	2014
24.	International Conference on "Computational Intelligence: Health and Disease" Institute of Bioinformatics and Computational Biology (IBCB), Visakhapatnam, 27 <sup>th</sup> &28 <sup>th</sup> , December, 2014	2014
25.	Two Day National Seminar on "Ethical Hacking-An Inevitable Tool for a Secured Organization", KBN College, Vijayawada, 12 <sup>th</sup> &13 <sup>th</sup> , December, 2014.	2014
26.	Two Day NAAC awareness workshop on "Need of Assessment and Accreditation in enhancing quality of Higher Education", 5 <sup>th</sup> & 6 <sup>th</sup> February, 2015, Krishna University, Machilipatnam.	2015
27.	National Conference on "Information and Communication Technologies"(NCICT-2015), Dravidian University, Kuppam, 26 <sup>th</sup> &27 <sup>th</sup> , March, 2015.	2015
28.	National Seminar on Recent Trends in Information and Communication Technology, 30 <sup>th</sup> &31 <sup>st</sup> , March, 2015, Krishna University, Machilipatnam	2015
29.	Regional Level Awareness Programme on "Choice Based Credit System & Skill Development in Higher Education" IQAC, Krishna University, 31 <sup>st</sup> August, 2015	2015
30.	RUSA Two Day English Regional Level Awareness Workshop on "English Communication and Soft Skills", Krishna University, Machilipatnam, 7 <sup>th</sup> &8 <sup>th</sup> , October, 2015	2015
31.	International Conference on Emerging Technologies, Networking and Computational Intelligence, Chennai, 28 <sup>th</sup> March, 2016.	2016
32.	Workshop on "Big Data Analytics", Narsaraopeta Engineering College, Narsaraopeta, 11 <sup>th</sup> -21 <sup>st</sup> , May, 2016	2016
33.	Two Day National Level Workshop on "Addressing Key Challenges and Problems in surface drainage system of Machilipatnam", Krishna University, 18 <sup>th</sup> & 19 <sup>th</sup> June, 2016	2016

#### Membership in Professional Bodies

- Life member in Indian Society for Technical Education
- Life member in The Institution of Electronics and Telecommunication Engineers
- Member in Computer Society of India
- Member in International Association of Computer Science and Information Technology
- Member in International Association of Engineers

### **Membership in Board of Studies, Computer Science**

- Krishna University, Machilipatnam
- SRR& CVR Govt. Degree College, Vijayawada
- PVP Siddartha Institute of Technology(Autonomous), Vijayawada(2012-15)
- PB Siddartha College of Arts & Science(Autonomous), Vijayawada(2011-13)
- SDMS Mahila Kalasala(Autonomous), Vijayawada(2011-13)
- Andhra Loyola College(Autonomous), Vijayawada(2011-13& 2013-15)
- Montessori Mahila Kalasala(Autonomous), Vijayawada(2011-13& 2015-17)
- KBN College(Autonomous), Vijayawada(2011-13)&(2017 to Till Date)
- AG & SGS College(Autonomous), Vijayawada(2012-14)
- Noble College(Autonomous), Machilipatnam(2011-13 & 2016 to till Date)
- Maries Stella College, Vijayawada(2011-13 & 2015- to Till date)

### **Membership in Academic Bodies, Research & Journals**

- Member, Sports Board, Krishna University
- Member in Academic Council, SRR& CVR Govt. Degree College, Vijayawada.
- Member in Academic Council, Montessori Mahila Kalasala (Autonomous), Vijayawada
- Member in Academic Council, KBN College(Autonomous), Vijayawada
- Member in Academic Council, PB Siddartha College of Arts & Science(Autonomous), Vijayawada(2013-15)
- Member in Academic Council, Noble College, Machilipatnam (2011-13).
- Member, Governing Body, SVH College of Engineering, Machilipatnam (2011-13).
- Member, Research Council, Krishna University, Machilipatnam (2010-11& 2015 to till date).
- Member, Editorial Board, International Journal of Computer Applications & Technology

### **Areas of Specialization**

1. Bioinformatics
2. Data Base Management Systems
3. Data Mining
4. Software Engineering
5. Embedded Systems
6. Internet and its Applications
7. Network Security
8. Cloud Computing
9. Image Processing

### **Current Area of Research**

Finding solutions to formal and practical problems inspired from the computational management and computational analysis of biological data with the paradigm of crystallization of computational thinking.

## Projects Guided

1. MCA : 150+
2. B.Tech : 10+
3. M.Tech : 05

## Personal Profile

Name : Kiran Kumar Reddi  
Father Name : Bala Rama Swamy Naidu  
Date of Birth : 16-08-1972  
Sex : Male  
Marital Status : Married