

Dr.Kiran Kumar Reddi

M.Tech,Ph.D,MISTE.

Assistant Professor,
Department of Computer Science,
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Summary

- **12+ 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:

- Officer In-Charge (Examinations), Krishna University from October, 2011
- 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.
- Head for Department of MCA, AITAM, Tekkali from August, 2008

Professional History

- Worked as Associate Professor in MCA Department, AITAM, Tekkali from June, 2008
- 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.
- Worked for Gayatri College of Science and Management as Lecturer in Department of Computer Science from September, 1998 to June 1999.

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.

Publications

International Journals:

1. Alzheimer's disease care and management: Role of information technology, *Bioinformation*, 2(3): 91-95 (2007).
2. Bioinformatics Analysis of Alzheimer's disease using Functional Protein Sequences, *Journal of Proteomics and Bioinformatics (JPB)*, March 2008.
3. 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.
4. Generating Optimized Decision Tree Based on Discrete Wavelet Transform *International Journal of Engineering Science and Technology*, Vol. 2(3), 2010, 157-164
5. 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.
6. Adaptive Resonance Theory (ART1) Approach in CBIR System. *International Journal on Computer Science and Engineering*, Vol.02, No.06, 2010, 2176-2180.
7. Soft Computing in Bioinformatics: Methodologies and Applications. *Oriental journal of computer science and technology*, Vol.03, No.01, 2010.
8. A Java-Based Tool to analyze the functional Protein Sequences of Genes causing Alzheimer's disease, *Journal of Theoretical and Applied Information Technology*, Vol.20, No.02, 2010, 79-86.
9. A New decision Tree Induction Using Composite Splitting Criterion, *Journal of Applied Computer Science & Mathematics*, no. 9 (4) /2010, 67-71.
10. Restoration of Color Image Corrupted by Gaussian Noise, *International Journal of Engineering Science and Technology*, Vol. 2(9), 2010, 4033-4037.
11. Visual Cryptography Scheme for Color Images, *International Journal of Computer Engineering and Technology*, Volume 1, No.1, May-June, 2010, pp.207-212.
12. A Study on Routing Algorithms Derived From the Nature for MANETs, *International Magazine on Advances in Computer Science and Telecommunications (IMACST)*, Vol.02, No.1, May, 2011, 31-37.
13. Affect of Quality Management in finding test escapes by improving process at different levels in SDLC, *International Journal of Information Technology, Engineering and Sciences*, Volume 2, No.1, January-June, 2012, 19-24.
14. Do Technical Skills are advantageous for a Software Requirement Analyst?, *International Journal of Information Technology, Engineering and Sciences*, Volume 2, No.1, January-June, 2012, 61-67.
15. Does Software Organizations Require Maturity Management, *International Journal of Data Modelling and Knowledge Management*, Volume2, No.1, January-June, 2012, 49-56.
16. 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.
17. Application of Association Rule mining in postal Service, *International Journal of Advances Computer Engineering and Architecture*, Volume 2, No.1, January-June 2012, 27-30.
18. Handling the Class Imbalance Problem in Intrusion Detection, *International Journal of Advances Computer Engineering and Architecture*, Volume 2, No.1, January-June 2012, 53-58.
19. Prediction of Protein Coding Regions by the 3-base Periodicity Analysis-Buterylcholinesterase (BCHE) DNA sequences, *International Journal of Information System*, Volume 1, No.1-2, January-December, 2012, 27-33.
20. Strength of Interestingness at Threshold Point in Association Rule Mining, *International Journal of Information System*, Volume 1, No.1-2, January-December, 2012, 43-46.
21. A Novel Approach for tracking and positioning of mobiles in Tele-Communication, *International Journal of Software Engineering Research*, Volume 2, No.s 1-2, January-December 2012, 11-14.
22. 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.

23. 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.
24. A Comprehensive study of defensive mechanisms for cyber attacks, International Journal of Information Technology, Engineering and Sciences, Volume 2, No.1, January-June, 2012, 5-8.
25. A Novel Approach in the combination of cryonics technology and the nana technology with future enhancements, International Journal of Data Modelling and Knowledge Management, Volume2, No.1, January-June, 2012, 5-8.

International Conference Proceedings:

1. Aldose Reductase and Nitric Oxide Synthase Role in Diabetic Retinopathy: A Bioinformatics Study. [BIOCOMP 2007](#): 72-75.
2. 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 2012.

Conferences/workshops/seminars/others:

Organized:

S.No.	Particulars	Role	Year
1.	International Conference on Bioinformatics and Diabetes Mellitus (ICBDM 2006), 25th -27 th 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),7 th -8 th , January,2012,Krishna University, Machilipatnam.	Treasurer & Co convener	2012

Participated and Paper Presented:

SI.No.	Particulars	Year
1.	International Conference on Bioinformatics and Diabetes Mellitus (ICBDM 2006), 25th -27 th March, Andhra University, Visakhapatnam.	2006
2.	International Workshop on Transdisciplinary Education and Research (IWTER 2007), 23rd &24 th October, 2007, Andhra University, Visakhapatnam.	2007
3.	International Conference on Coalescence of Computer Science & Biotechnology (CCSB 2009), 16th & 17 th 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, 30th September, Prasad V Potluri Siddhartha Institute of Technology, Vijayawada.	2010
6.	Workshop on Image Processing, 28th -30 th , October, Aditya Institute of Technology and Management, Tekkali.	2010
7.	Orientation Course,5 th September-1 st October, JNTU, Hyderabad Obtained 'A' Grade.	2011
8.	International Conference on Bioinformatics and Beyond, 30 th ,November-1 st December, JNTU Kakinada & DST	2011

Areas of Specialization

- Bioinformatics
- Data Base Management Systems
- Software Engineering
- Embedded Systems
- Internet and its Applications
- Network Security

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.

Research Guidance

- Guiding 7 PhD Scholars (2 Candidates registered at Krishna University,3 Candidates registered at JNTU,Kakinada,2 Candidates registered at Rayalaseema University, Kurnool)

Projects Guided

- MCA : 150+
- B.Tech : 10+

Personal Profile

Name : Kiran Kumar Reddi

Father Name : Bala Rama Swamy Naidu

Date of Birth : 16-08-1972

Sex : Male

Marital Status : Married