




SCHOOL OF ENGINEERING
GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND P.G COURSES

Rushikonda, Visakhapatnam- 530 045.
 (Approved by A.I.C.T.E, Affiliated to Andhra University)

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| Name of the Teaching Staff | Dr. M.N. Vamsi Thalatham | |  |
| Designation | Professor, Training & Placement Officer | | |
| Department | Computer Science & Engineering | | |
| Date of Joining the Institution | 01-06-2014 | | |
| Qualification with Class/Grade | PG: M. Tech [CST] | | Ph. D:- Computer Science and Engineering, Awarded by Dept. of CSE, JNTU College of Engg, JNTUH, Hyderabad |
| | Class: First Class | | |
| | Discipline: COMPUTER SCIENCE | Specialization: CST with Bioinformatics | |
| Total Experience in Years | Teaching: 17 | Industry: 00 | Research: 09 |
| Papers Published | National: 01 | International: 07 | |
| Papers Presented in Conferences | National: 03 | International: 04 | |
| Filed of Ph. D & University | Field: - Soft Computing, Computational Biology and Gene Networks | | University: - JNTUH |
| No. of Ph. D's / Projects Guides | PhDs: NIL | | Projects at Master Level:80 |
| | | | Projects at U.G Level: 7 |
| Books Published | 01 | | |
| Professional Memberships | 02 | | |
| Consultancy Activities | - | | |
| Awards | - | | |
| Grants fetched | DST grant for Rs 50,000 to host National Seminar | | |
| Interaction with Professional Institutions | 2 (IBCB and CRRAO AIMSCS) | | |



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Journal Publications:

1. **T.M.N.Vamsi**, Allam Appa Rao, “A Novel Genetic Programming Approach for Inferring Gene Regulatory Network”, International Journal of Computer Applications, Vol.119, No-15, pg. 43-46, (0975-8887) (2015).
2. **T.M.N.Vamsi et.al.**,”Soft Computing method for diagnosing diabetes patients”, Indian Journal of Research in Pharmacy and Biotechnology, pg.9-11, Special Issue-1,(CAMCAT-2014).
3. **T.M.N.Vamsi**, Allam Appa Rao "Computational study and performance evaluation of different genomic signal processing methods for identification of protein coding regions (exon regions) of DNA sequence” published in International Journal of Computer Applications (IJCA).
4. **T.M.N.Vamsi**, Allam Appa Rao ,“Prediction and Localization of Hotspots in Brain Derived Neurotrophic Factor (BDNF) Protein: An Insilco Approach”, published in International Journal of Engineering Research & Technology (IJERT),(2013) ISSN: 2278-0181.
5. **T.M.N.Vamsi**, Allam Appa Rao, “Mathematical Modeling of Glucose homeostatic regulatory system for Type II diabetic patients” is accepted to present at International Journal on Mathematics, Statistics & Computer Engineering [ICMSCE-2012] held on 13, 14 September 2012.
6. **T.M.N.Vamsi et.al.**, “A Novel Approach for Pair Wise Alignment Using Particle Swarm Optimization” is published in International Journal of Computational Intelligence Research & Applications “, pp 157-160,ISSN:0973-6794, July-Dec 2010, 4(2) issue of the journal.
7. **T.M.N.Vamsi et.al.**, “Prediction of Protein Secondary Structure using Artificial Neural Network is published in “International Journal of Computer Science and Engineering“, Vol. 02, No. 05, 2010, 1615-1621, ISSN: 0975-3397.
8. **T.M.N.Vamsi et.al.**,”Classification of Different Species Families using Clustering Algorithm” is published in “International Journal of Computer Science and Engineering“, Vol. 02, No. 05, 2010, 1884-1886, ISSN: 0975-3397.
9. **T.M.N.Vamsi et.al.**,”Study of Microsatellites role in BRCA2 gene causing Pancreatic cancer and Breast Cancer” in the Journal of Proteomics & Bioinformatics ISSN:0974-276X Volume 2.1:033-035(2008)-33(JPB/Vol. 2/Special Issue-2008)

Conference Publications:



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1. **T.M.N.Vamsi et.al.**, “Gene Microsatellite Extraction Tool[Genmex Tool V2.1]”, presented at International Conference on Computational Intelligence and Soft Computing. Organized by IBCB with publication support from **Springer**. pp:39, 19th -20th December 2015.
2. **T.M.N.Vamsi**, Allam Appa Rao, “Clustering analysis of short time gene expression data” is presented and published in national conference on emerging technologies in Computer Science (NCETCS’14) organized by JNTUK Vizianagaram Campus and IEEE Vizag Bay section, held on 28th, 29th March 2014.
3. **T.M.N.Vamsi**, Allam Appa Rao, “Inferring gene regulatory network through genetic programming and polish notation” is presented and published in Elsevier conference proceedings of International Conference Advances in Communication Network and Computing-CNC 2014, held on 21st, 22nd Feb 2014, organized by ACEEE & Elsevier.
4. **T.M.N.Vamsi et.al.**, “Forensic Bioinformatics: A overview” published in National Seminar on Privacy Preserving and Trust Management, held at GVP College for Degree & PG Courses, on 24th & 25th March 2012.
5. **T.M.N.Vamsi et.al.**, “Prediction of species relations using leader-sub leader algorithm” was presented at National Seminar on Translational Research & T2DM, at GVP College for Degree & PG Courses (sponsored by DST, New Delhi), on 17th, 18th April, 2011.
6. **T.M.N.Vamsi et.al.**, “Brain Derived Neurotrophic Factor (BDNF): In Silico analysis” is Presented at Genomics of common diseases conference (Abstract Poster 13): held at Cullen Building, Baylor College of Medicine, Houston TX USA (Oct 6-9, 2010). Organized by Nature Genetics and Wellcome Trust.

Workshops/Seminars/Training Programs/FDPs attended/organized: **33**

Seminars Attended/Organized: 3

| S.No | Name of the Seminar | Date | Role (Organized / Participation) |
|------|---|---|---|
| 1 | National Seminar on “ Privacy Preserving and Trust Management ” | 24 th and 25 th of March 2012 | Organized |
| 2 | National Seminar on “ Translational Research in Bioinformatics & T2DM ” | 17 th & 18 th April 2011 | Organized |
| 3 | National seminar on “ The Impact of Quality Assessment in Higher Education ” | 20-9-2009 | Participation |



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Faculty Development Programs Attended/Organized: 4

| S. No | Name of the FDP | Date | Role (Organized / Participation) |
|-------|---|---|-----------------------------------|
| 1 | FDP on Big data Analytics | 16 th Dec to 18 th Dec 2016 | Organized |
| 2 | SDP (AICTE Sponsored) on “Computational Intelligence and its Applications to Data Mining” | 30 th April to 13 th May 2010 | Participation |
| 3 | FDP (AICTE Sponsored) on “Machine Learning Tools and Applications(MLTA-09) | 18 th -30 th May,2009 | Participation |
| 4 | FDP (UGC Sponsored) in “Bioinformatics” | 12 th -14 th Dec,2008 | Participation |

Training Programs Attended: 4

| S. No | Name of the TP | Date | Role (Organized / Participation) |
|-------|---|---|-----------------------------------|
| 1 | Training Program on “Embedded Systems” | 31-7 -2008 to 2-8-2008 | Participation |
| 2 | Training Program on “Bioinformatics and Speech Recognition” | 21-7 -2008 to 26-7-2008 | Participation |
| 3 | Training Program on “Bioinformatics” | 4 th & 5 th , Oct 2007 | Participation |
| 4 | Training program on “Database design and programming through SQL” by ORACLE ACADEMY | 24 rd -27 th March 2015 | Participation |

Conferences Attended: 8

| S. No | Name of the Conference | Date | Role (Organized / Participation) |
|-------|--|---|-----------------------------------|
| 1 | National Conference on “Bioinformatics and Beyond” | 30 th Nov & 1 st Dec 2011 | Organized |
| 2 | International conference on Mathematics, Statistics & Computer Engineering(ICMSCE-2012) | Sep 13-14,2012 | Paper presented |
| 3 | 4 th International conference on innovations in the changing world (DNA 2012) | 15 th & 16 th Dec 2012 | Participation |



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| 4 | International Conference Advances in Communication Network and Computing-CNC 2014 | 21 st ,22 nd Feb 2014 | Paper presented |
| 5 | National Conference on Emerging Technologies in Computer Science-2014(NCETCS'14) | 28 th ,29 th March,2014 | Paper presented |
| 6 | National Conference on Advanced Functional Materials and Computer Applications in Materials Technology-2014(CAMCAT'14) | December 2014 | Paper presented |
| 7 | International Conference on Computational Intelligence and Soft Computing | 19 th -20 th December 2015 | Paper presented |
| 8 | Two Day International Conference on "Cognitive Science and Health Bioinformatics" | 24 th -25 th December 2016 | Organized |

Colloquium Attended: 1

| S. No | Name of the Colloquium | Date | Role (Organized / Participation) |
|-------|--|--|-----------------------------------|
| 1 | "The first Computational Intelligence Colloquium on Computational biology" | 17 th -18 th February 2012 | Participation |

Workshops Attended: 12

| S. No | Name of the workshop | Date | Role (Organized / Participation) |
|-------|---|--|-----------------------------------|
| 1 | Two Day workshop on " Bioinformatics Tools in Diabetic Research " | 16 th & 17 th August 2014 | Resource Person |
| 2 | Two day Workshop on " Recent Trends in bioinformatics " | 17 th & 18 th May 2014 | Organized |
| 3 | National Workshop on " bioinformatics & Genomic Signal Processing " | 18 th & 19 th August, 2012 | Participation |
| 4 | National Workshop on " Genomic Signal Processing " | 19-20 th March,2011 | Participation |
| 5 | National workshop on " Advances in Signal and Image Processing " | 25-26 th Feb'2011 | Participation |
| 6 | Workshop on " Embedded Systems " | 13-2-2010 | Participation |
| 7 | National workshop on " Content Development for Research Publication and Teaching with Emotional Intelligence " (NWRPEI-09) | 21-3-2009 | Participation |
| 8 | International Workshop on " Transdisciplinary Education and Research " (IWTER-07) | 23 rd & 24 th Oct 2007 | Organized |



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| 9 | Workshop on “ Low Power VLSI Design & Technology ” | 3 rd Feb 2007 | Participation |
| 10 | Workshop on “ Mixed Signal Processing & Recent Advances in Electronics ” | 21 st Dec 2006 | Participation |
| 11 | National workshop on “ Data Engineering ” | 29 th -30 th Nov,2006 | Participation |
| 12 | Workshop on “ Embedded System Design on MSP 430 Microcontroller ” | 29 th April & 1 st May 2006 | Participation |

PhD:

Title of the Research work: A Novel Genetic Programming Approach for Inferring Gene Regulatory Network

Status: Awarded on March 14th, 2016 by JNTUH Jawaharlal Nehru Technological University-Hyderabad.

Research Guide: Under the esteemed guidance of **Prof.Allam Appa Rao, Former Vice-Chancellor. JNTUK-Kakinada. Director, CRRao AIMSCS, UoH, Hyderabad.**