

BIO-DATA

Name: G.Nageswara Rao

Designation: Professor

Department: Computer Science and Engineering

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Date of Joining in the Institution: 23-12-2003

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D(CS&SE)	Andhra University Visakhapatnam	Awarded	April, 2015
M. Tech (CST)	Andhra University Visakhapatnam	FIRST class	2001
B. Tech(CSE)	ANU, Nagarjuna Nagar, Guntur	Pass	1998

Total Years of Experience: 13 Years

Period		Organization/Institution	Designation
Jan2014	Till Date	AITAM, Tekkali	Professor
July2010	Jan2014	AITAM, Tekkali	Professor and Head
July2006	July2010	AITAM, Tekkali	Assoc. Prof. & Head
Dec2003	July2006	AITAM, Tekkali	Asst. prof.
Sep2001	Dec2003	SISTAM, Srikakulam	Asst. Prof. & Head

Areas of Interest:

1. Bioinformatics
2. Bigdata
3. Cloud computing

Guidance of Academic Projects:



- i) Doctoral Projects : -
- ii) Masters Projects : 14
- iii) Bachelor Projects : 34

Honors and awards received: -Best paper award got in ICBDM-2006

Memberships of Professional Societies and Other Organizations:

- MISTE LM55941
- MCSI 00174207(LIFE)
- MIE (I) M-145245-7 (LIFE)
- IEEE 92863862, IACSIT 80348431
- ACM MEMBERSHIP NO:6530325

Other Responsibilities:

1. State Management Committee Member ISTE AP Section.
2. EX. Head of the Department
3. Faculty Advisor ISTE
4. EX CSI Student Branch Coordinator
5. Dept. Attendance & exam. Coordinator
6. SC/ST Grievance cell chairman
7. Ex. Bos Chairman,Dept.IT

Details of Book Publications: --

Details of Publications:

Paper publications

S.No.	Publication type	total
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01	International journals	10
02	International conferences	04

S.No	International journals
01	B Bindu Sahitya Devi [1] , G Nageswara Rao [2] “ Network Monitoring: Key Aspects in Packet Loss and its Measurements ” International Journal of Computer Science Trends and Technology (IJCST) – Volume 5 Issue 4, Jul – Aug 2017
02	G. Nageswara Rao, Ch.Ravi kishor,Y.Rajyalakshmi “Investigation of novel drugs as potential H1N1 neuraminidase inhibitors” International Journal of applied Engineering research, Vol No. 11,issue no:05 (Jan ,2016), Pg.: 3454-3457, ISSN: 09734562.
03	Gali. Nageswara Rao , Allam Apparao, Peri Srinivasarao, Mupalaneni Naresh babu “A Tool for the post data analysis of screened compounds derived from computer – aided docking scores” BioInformation 9(4):000-000(2013)ISSN:0973-2063.
04	G.Nageswararao,Ch.M.krishna Implimentation of object oriented approach to lowest – cost routing using BGP Published by International Journal of Engineering Research and Applicationsvol.2issue 1,jan-feb,2012.
05	G.Nageswara Rao,D.Madhavi Karnika Sireesha, Bhargavi, Vishnu Vinukonda, Suchandranath Babu Munnam, John Dogulas Palleti, Virtual screening of urtica dioica palnt compounds as mycobacterium tuberculosis cell division protein Inhibitors., volume 07, march 2013; ISSN : 2287-688X.
06	T.Santosh Kumar, G.Nageswara Rao,,” Simulation Studies To Calculate Free Energy In Special Reference To Modeler Output”, International Journal Of Advanced And Innovative Research, Volume 1, Issue 4, September, 2012 ISSN: 2278-7844.
07	G. Nageswara Rao, Pof. Suman Kumar Gurram Mining frequent item sets without candidate generation using FP – Trees.(IJCSIT)/Vol 2 (6) , 2011,2677-2685.
08	G.Nageswara Rao,D.Madhavi.”An Efficient Document Clustering Mechanism in N Dimensional Space”, International Journal Of Advanced And Innovative Research, Volume 1, Issue 5, October, 2012 ISSN:2278-7844.

09	Kiran Kumar Reddi1, T.K.Rama Krishna Rao2, G.Nageswara Rao2 A Java-Based Tool To Analyze The FunctionalProtein Sequences Of Genes Causing Alzheimer’s Disease published in Journal of Theoretical and Applied Information Technology vol 20,no 2,issn :1992-8645 (Oct2010).
10	. Kanchana P, G. Nageswara Rao, “An Efficient Approach for Packet Loss Measurement”,= International Journal of Modern Engineering Research (IJMER), Vol.2, Issue.5, Sep-Oct. 2012 pp-3807-3809,ISSN 22496645.

International conferences

01	G. Nageswara Rao, P. Srinivasarao, A. Appa Rao, and T.K. Rama Krishna Rao “Variation in Active Site Amino Residues of H1N1 Swine Flu Neuraminidase” Proceedings of ICAdC, AISC 174, pp. 575–583. springerlink.com © Springer India 2012
02	TK Rama Krishna Rao, G Nageswar Rao, P Srinivasa Rao, Allam Appa Rao “A Java Based Protein Secondary Structure Prediction Program”, 2012 IEEE 8th International Colloquium on Signal Processing and its Applications 978-1-4673-0961-5/12/, 2012 IEEE
03	G.Nageswara rao,M.Swetha Harni,Ch Ravikishore,A Cryptograpgic Privacy Preserving Approach Over Classification .Published in the proceedings of CSI 2013:Springer-Advances in Intelligent Systems and Computing, Vol248,ISBN :978-3-319-03107-1/Vol 249,ISBN:978-3-319-03095-1 ,DOI: 10.1007/978-3-319-03095-1_53, © Springer International Publishing Switzerland 2014.

04	Rithvik M., Nageswara Rao G. (2015) A Comparative Study of Methodologies of Protein Secondary Structure. In: Muppalaneni N., Gunjan V. (eds) Computational Intelligence techniques for Comparative Genomics. SpringerBriefs in Applied Sciences and Technology. Springer, Singapore DOI https://doi.org/10.1007/978-981-287-338-5_3 Publisher Name Springer, Singapore Print ISBN 978-981-287-337-8
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Details of Conferences / Workshops / Refresher Courses Attended:

1. Digital India Initiatives: Effective Utilization of Cloud Technology ,e-governance and It Infrastructure at Dept.of CS&SE,AU College of Engineering (A),Vizag,18-22July,2016.
2. AITAM, TEKKALI. In collaboration with ESCI,HYD TEQIP Sponsored Training on Pedagogy and Management Capacity Enhancement program for Teaching Staff on 23-25June,2016
3. 45th ISTE ANNUVAL NATIONAL CONVENTION AND INTERNATIONAL CONFERENCE ON Challenges and Opportunities in Technical Education in the Era of Sustainable Development on 9-11 Jan, 2016. Organized by HVPM,, Amravati(M.S)
4. One day workshop on Outcome Based Education in association with IUCEE under TEQIP Phase –II on 9th March,2015, AITAM, TEKKALI
5. Recent trends of Bioinformatics at Institute of Bioinformatics and Computational Biology From May 17th -18th, 2014.
6. Management Capacity Enhancement Programmeheld at The Indian Institute of Management Indore from Septermber 24th to 30th, 2013.
7. One day workshop on Outcome Based Education (In compliance with NBA Accreditation) on 19th January, 2013. AITAM, TEKKALI.
8. A Three day Refresher course on Modern Imaging Research: research Avenues and Challenges on 31st January, 2013 to 2nd February 2013 Under TEQIP Phase-II, Organized by IT Dept, AITAM, TEKKALI.
9. A Two day National Workshop on Data ware housing and Mining (NWDWM-2013) on 24th to 25th Jan,2013 Organized by Dept CS& SE, AU College of Engineering Andhra University,Vishakapatnam.
10. A One Day Workshop on outcome based Education (In Compliance with NBA Accreditation under TEQIP-II organized by AITAM, TEKKALI.
4. Workshop on Introduction to support vector machines with application under TEQIP Phase-II on 16th to 18th August 2012 organized by CSE Dept, AITAM, TEKKALI.

5. International conference on Advances in computing (ICADC-2012) held on 4th to 6th July, 2012 at MSRIT, MSRIT POST, BANGALORE-560054.
6. International conference on Information systems Design and Intelligent Applications-2012(INDIA-2012) ORGANIZED BY COMPUTER SOCIETY OF INDIA.
7. A Three Day National Workshop on “Multi core Computing: hands on Exposure to Practical Open MP Programming” on 20th to 22nd October, 2011 Organized by Dept of MCA/CSE/IT.
8. A Two Day National Workshop on Genomic Signal Processing (GSP-2011) ON 19th & 20th March,2011 Organized by CSE Dept,University college of Engg,JNTU,Kakinada.
9. National Seminar Theme:”Corporate e Governance” (e COG-2011) on 26th to 28th Feb, 2011 Organized by CSI Chapter Vishakhapatnam.
10. Participated in a Mission 10X workshop conduct at AITAM, TEKKALI. From 21st to 25th Feb, 2011.
11. Participated in the 40th ISTE National Annual convention held at Mepco Schlenk Engineering College, sivakasi during 2nd to 4th December 2010.
- 12.A Three day National Workshop on Recent trends in image and Computer Vision Research on 28th to 30th October,2010.Organized by Dept of IT/CSE/MCA, AITAM T,TEKKALI,SRIKAKULAM.
13. SOUTHERN REGIONAL CONFERENCE -2010 theme:”Advance in Information and communication technology” on 28th to 30th June, 2010.
14. A One day national Workshop on Computational Biology and Bio technology on 2nd January,2009 organized by Dept of Chemical Engineering,A.U college of Engineering(A),A.U,Vishakapatnam,AP-530003.
15. A Two day Refresher course on: WEKA: A Data Mining Tool” Jointly organized by Dept of IT/CSE/MCA, AITAM T, TEKKALI, SRIKAKULAM. On 28th & 29th December, 2007.
16. International Workshop on Tran disciplinary Education and research (IWTER-07) held at A.U College of Engineering9A) during October 23rd and 24th, 2007.
17. Natiional Workshop on Data Mining and business Intelligence(11-12,August 2007) organized by Dept.of Computer science and Engineering, Chaitanya Engg College, Vishakapatnam-41.
18. Diversity to Discovery April 2nd to 7th,2007 organized by International School of Anthrepology,Mysore,Anthropological survey of India and southwest Foundation for

Biomedical research,sanantonio,texas,USA.

19. A Two day national workshop on Machine Learning organized by Dept.of CSE,MVGR Vijayaram Nagar campus,VIZIANAGAR-535005,with collaboration Indian Statistical institute,Kolkatta.
20. AICTE sponsored National Workshop on INFORMATION SECURITY on 2nd to 3rd Feb, 2007 organized by CSE/IT, GMRIT, Rajam.
21. INTERNATIONAL CONFERENCE ON BIOINFORMATICS AND DIAMETES MELLITUS-(ICDBM-2006) organized by Dept of CS& SE, A.U.College of Engineering, A.U.Vishakapatnam.
22. A Three days in house workshop on OOAD using UML with Rational Rose & RUP from 24th Feb to 26th Feb,2009 Organized by IBM at AITAM, TEKKALI.
23. A one day 2nd National Workshop on Data engineering organized by the Dept of CS& SE, college of Engineering(A). Andhra University Vishakhapatnam on 26th march,2010.
24. G.Nageswararao, P.Swathi, T.Srikanth Structural Bio-Informatics has published in ICBDM-2006.
25. A one day National workshop on Emerging Trends in computational Biology organized by Department of IT on 5th October 2008.
26. A one day in House program for FDP on Teaching Methodology and Techniques for Engineering Faculty on 11-11-2009.
27. A Two Day workshop on Cloud Computing and its applications held at Aitam from 21-22feb,2013.

List of Workshops organized by IT Department

S.No.	Title	Type	Duration	Sponsored by
1	A REFRESHER COURSE ON WEKA : A DATA MINING TOOL	Refresher course	2 Days (28 th &29 th Dec 2007)	AITAM, Tekkali.
2	EMERGING TRENDS IN COMPUTATIONAL BIOLOGY	National Workshop	1 day (5 th Oct 2008)	AITAM, Tekkali

3	OBJECT ORIENTED ANALYSIS AND DESIGN USING UML WITH RATIONAL ROSE AND RUP	National Workshop	3 days (24 th -26 th Feb 2009)	AITAM, Tekkali
4	STTP on SOFT COMPUTING	National Workshop	2 nd – 6 th march 2010	AITAM, Tekkali
5	TEACHING METHODOLOGIES AND TECHNIQUES	National Workshop	11 th NOV 2009	AITAM, Tekkali
6	Recent Trends In Image And Computer Vision Research	National Workshop	3 Days (28 th &30 th Oct 2010)	AITAM, Tekkali
7	Multi core computing : Hands on exposure to Practical Open MP Programming	National Workshop	3 Days (20 th &22 nd Oct 2011)	AITAM, Tekkali
8	Introduction to support vector machines with applications under TEQUIP Phase-II	National Workshop	16 th &18 th August 2012	AITAM, Tekkali
9	A Three Day Refresher Course On “Modern Imaging Research: Research Avenues And Challenges”	National Workshop	31 st Jan-2 nd Feb 2013	AITAM, Tekkali
10	9 th ISTE AP SECTION ANNUAL CONVENTION AND AWARDS FUNCTION 2014	ISTE CONVENTION	15 TH AND 16 TH SEP,2014	AITAM,TEKKALI

Projects Guided:

M. TECH PROJECTS

Sl.No.	Name of the Project	Roll No.	Academic Year
01.	Mining frequent item sets without candidate generation using FP-Trees.	09A51D4006	2009-11
02.	Illumination invariant face recognition using DCT	09A51D4009	2009-11
03.	Job scheduling in cloud computing	09A51D4001	2009-11

04.	BGP- Based mechanism for lowest – cost routing	09A51D4003	2009-11
05.	An iterative search method for combinatorial optimization problems in	09A51D4007	2009-11
06.	An efficient approach for packet loss measurement	09A51D4008	2009-11
07.	computational approaches in drug designing	10A51D4008	2010-12
08.	Virtual Energy based encryption and keying	10A51D4011	2010-12
09.	dynamic resource allocation with parallel data processing in the cloud environment	10A51D4006	2010-12
10.	Weak state routing for large scale dynamic networks	10A51D4010	2010-12
11.	Simulation studies to calculate free energy special reference to modeler output	10A51D40007	2010-12
12.	Document clustering method based on visual features	10A51D4013	2010-12
13	Analysis of a PA-UDP Flow Control Protocol for High Speed Data Transfer	10a51D4012	2010-13
14	A Cryptographic Privacy Preserving Approach Over Classification	11A51D4003	2011-13

B. TECH PROJECTS

Sl.No	Name of the Project	Roll No.	Academic Year
01.	ONLINE CRIME INVESTIGATION	03A51A1210 03A51A1218 03A51A1208	2003 – 2007
02.	NETWORK SECURITY THROUGH SSL	03A51A1205 03A51A1213 01A51A1237	2003 – 2007
03.	The Evaluation of Employee Performance	04A51A1204, 05A55A1201, 04A51A1213	2004 – 2008
04.	Lan Messenger	04A51A1205 04A51A1210 04A51A1212	2004 – 2008
05	Net Banking System	04A51A1215 04A51A1216 04A51A1217 04A51A1203	2004 – 2008

06.	SMTP Mail Server	04A51A1222 04A51A1223 03A51A1201	2004 – 2008
05.	Content/Website Management	05A51A1205 05A51A1227 05A51A1208 05A51A1215	2005-2009
06.	Staff Recruitment Management	05A51A1223 05A51A1204 05A51A1209 05A51A1224 04A51A1206	2005-2009
07.	Employee Profile Management	05A51A1219 06A55A1202 05A51A1211 05A51A1207	2005-2009
08.	Benefit based data caching in adhoc networks	06A51A1216 06A51A1215 06A51A1229 06A51A1212	2006 – 2010
09.	Detection of moving objects in live videos	06A51A1226 06A51A1230 07A55A1201 06A51A1202	2006 – 2010
10.	Virtual Class room	07A51A1206 07A51A1211 08A55A1202 06A51A1203	2007 – 2011
11.	Bioinformatics Approach to Find The Mutagenesis in Brac1 Gene	08A51A1220 08A51A1229 08A51A1205 08A51A1214 07A51A1204	2008-2012
13	Location Based Hooter Using Android	09A51A1228 09A51A1224 09A51A1226	2009-2013
14			

14.	Multi Party Access Control for Online Social Networks	09A51A1236 09A51A1204 09A51A1203 09A51A1249	2009-2013
15	Finding Geographical Position of A Receiver Based on GPS	10A51a1241 10A51a1244 10A51a1247 10A51a1224	2010-2014
16	GPS and GSM Based Vehicle Messaging System	10A51a1221 10A51a1205 10A51a1253 10A51a1212	2010-2014

Other Achievements:

1. Professor in-charge R&D Dept.of CSE and IT
2. Andhra Pradesh State Skill Development Corporation(APSSDC) Coordinator.
3. Ratified as Assoc. Professor in 2016 in JNTUK selections.
4. Acted as a judge for student paper presentation at SVCET ,Srikakulam in Dec2010.
5. Act as a Guest lecture on COMPILER DESIGN and C Programming. Concepts for 2nd B.Tech(CSE&IT) at BVCE,VDALAREVU,EG(dt).in Sep2011.
6. Act as a chaired Network Security Technical sessions in CSI Annual Student Convention host by the CSI Visakhapatnam Chapter on 11th to 12th,Dec2013.

(Dr. G. Nageswara Rao)