

BIO-DATA



Name: Dr. G.Nageswara Rao

Designation: Professor

Department: Information Technology (IT)

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Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D	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: 20 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.
Sept 2001	Dec2003	SISTAM, Srikakulam	Asst. Prof. & Head

Areas of Interest:

1. Bioinformatics
2. Formal Languages and automata Theory

3. Image Processing
4. Algorithms
5. Compiler Design

Guidance of Academic Projects:

- i) Doctoral Projects : -
- ii) Masters Projects : 16
- iii) Bachelor Projects : 42

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

Memberships of Professional Societies and Other Organizations:

S.No.	Professional Society name	Life membership number
1	Computer Society of India(CSI)	00174207
2	Institution of Engineers(IEI)	M-145245-7
3	Indian Society of Technical Education(ISTE)	LM55941
4	International Association of Computer science and Information Technology(IACSIT)	80348431
5	International Association of Engineers(IAENG)	167737
6	ACM membership	6530325

Other Responsibilities:

1. Section Managing Committee Member of ISTE Andhra Pradesh Section.
2. EX. Head of the Department
3. Secretary& Treasurer of ISTE Student Chapter
4. Ex. CSI Student Branch Coordinator
5. Dept. Attendance & exam. Coordinator
6. Ex. SC/ST Grievance cell chairman
7. Ex. BoS Chairman, Department of IT
8. IQAC member Dept.of IT
9. Professor in-charge R&D(CSE&IT)

10. Personal file In charge

11. PG coordinator.

Details of Book Publications: Nil

Details of Publications:

	No. of International Conferences	No. of National Conferences	No. of International Journals	No. of National Journals	Total
	06	01	17	-	24

S.No	International journals
	G.Nageswara Rao et.al"Vechicle Number Plate Detection using Kirsch Compass kernel edge detectionTechnique" IJCRT.org Vol.8 ,Issue 7 july 2020 (UGC) ISSN :2320-2882.
01	Ch.Chandrasekhar,Shiva Sankar.Ch,G.Nageswara rao "Future Reality is Immersive Reality"International journal of Recent Technology and Engineering(IJRTE)Vol.-7 Issue-4,November 2018.(Scopus)ISSN:2277-3878.
02	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 (IJCSIT) – Volume 5 Issue 4, Jul – Aug 2017
03	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.
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
05	An Innovative Approach to Diabetes Diagnosis G.Nageswara Rao ¹ , V.Swetha ² , M.Rithvik ³ G.Nageswara Rao et al, / (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 6 (3) , 2015, 1986-1989
06	G. Nageswara Rao, M. Sweta Harini, and Ch. Ravi Kishore A Cryptographic Privacy Preserving Approach over Classification Advances in Intelligent Systems and Computing 249, DOI: 10.1007/978-3-319-03095-1_53, © Springer International Publishing Switzerland 2014

07	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.
08	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.
09	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.
10	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.
11	. 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.
12	. 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.
13	G. Nageswara Rao, Pof. Suman Kumar Gurram Mining frequent item sets without candidate generation using FP – Trees.(IJCSIT)/Vol 2 (6) , 2011,2677-2685
14	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).

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 8 th 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 Cryptographic 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
05	G.Nageswararao, P.Swathi, T.Srikanth Structural Bio-Informatics has published in ICBDM-2006,25 th to 27 th March,2006.College of Engineering Andhra University,Visakhapatnam.
6	Dr.G.Nageswara rao,Dr.B.Venkateswarlu,Sri G.Jagadeeswarao “Breaking down and Reduplication of information in Cloud for best overall performance and protection” ICC-2020 (www.iccc2020.in) organized by AITAM,Tekkali on 7 th and 8 th August 2020. Springer Lecture Notes in Electrical Engineering (LNEE) Series, now indexed by: ISI Proceedings, EI-Compendex, SCOPUS, MetaPress, Web of Science , Springerlink.

01	<p>National conference</p> <p>IVS Ravindra, Prof. G. Nageswararao “An Iterative search method for solving combinatorial optimization problems in protein folding” 2011 National conference on Information processing and Computing NLCIPC’11</p> <p>17th&18th, Nov, 2011, Coimbatore, INDIA organized by dept. of IT, PSG Polytechnic college</p>
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Details of Conferences / Workshops / Refresher Courses Attended:

S.No.	No. of national workshop	International workshops	In-house programs
1	30	4	4

S.No	Title	Date	Organization name
1	35 th Indian Engineering Congress	18-20 Dec 2020	IE(I)
2	Data Science & Its Applications	7-21 st Sept. 2020	AUCE(A) & JNTU ce Vizianagaram
3	International workshop on Machine Learning and computer Vision: Applications, Research Challenges	24-28 Aug, 2020	NIT Silchar, Assam
4	One week webinar on Time to realize the engines/Strengths within and surrounding you with reference to Covid-19	10-15 th August 2020	Andhra Pradesh State council of Higher Education with population Research centre, Department of statistics, Andhra University, Visakhapatnam.
5	AICTE sponsored A one week online Short Term Training Program (STTP) on Privacy and Security in IoT	27 July to 1 st August 2020	ANITS, Visakhapatnam
6	A two Week FDP Program On Block Chain Technology And Cyber Security	27 th Jan – 7 th Feb, 2020	Vitam At Visakhapatnam
7	Start And Improve Your Business (Siyb)	12/09/2019 To 11/10/2019	Siyb At Aditya Institute Of Technology And Management, Tekkali.
8	Deep Learning with Python programming	4-8 Nov, 2019	IIT Guwahati venue Aditya Institute of Technology and Management, Tekkali
9	Deep Learning with Python programming	8-12 July 2019	IIT Guwahati venue Manipal University, Jaipur
10	DST-NIMAT project Facilitation workshop (South Zone-I)	19 th Dec, 2018	Sri Venkateswara College of Engineering Tirupathi.

11	Scientific Data Analytics using R Language	24 th February,2018	Dept. of IT with CSI chapter Visakhapatnam
12	47 th ISTE Annuval National Convention	27-29 Jan,2018	Saintgits college of Engineering, Kottayam.Kerala.
13	FDP on Recent Research trends on IoT	13 -18 Nov,2017	KLU,Vadeswaram,Guntur
14	A One Week Faculty development program on Analytics with R under TEQIP Phase-II20-25	20-25 October,2016	Dept. CSE&IT,AITAM, TEKKALI
15	M7anagement Development Program for Improved R&D and III at TEQIP _II Institutions	19-23 Sept.,2016	Administrative Staff College of India ,Bella Vista:Hyderabad
156	Digital India Initiatives: Effective Utilization of Cloud Technology ,e-governance and It Infrastructure	18-22July,2016	Dept.of CS&SE,AU College of Engineering (A),Vizag
17	45 th ISTE Annuval National Convention And International Conference On Challenges And Opportunities In Technical Education In The Era Of Sustainable Development	9-11 Jan, 2016	HVPM,, Amravati(M.S)
18	Training on Pedagogy and Management Capacity Enhancement program for Teaching Staff	23-25June,2016	AITAM, TEKKALI. In collaboration with ESCI,HYD TEQIP
19	One day workshop on Outcome Based Education in association with IUCEE under TEQIP Phase –II	9 th March,2015,	AITAM, TEKKALI
20	Recent trends of Bioinformatics at Institute of Bioinformatics and Computational Biology	17 -18 May,2014	IBCB,Visakhapatnam.
21	Management Capacity Enhancement Programmeheld	24 -30 Sept., 2013	Indian Institute of Management Indore
22	A Two Day workshop on	21-22Feb,2013	Dept. of CSE&I T AITAM ,Tekkali

	Cloud Computing and its applications held at AITAM		
23	One day workshop on Outcome Based Education (In compliance with NBA Accreditation)	19 th Jan,2013	AITAM, Tekkali
24	A Three day Refresher course on Modern Imaging Research: research Avenues and Challenges	31Jan -2 Feb,2013	Organized by IT Dept, AITAM, TEKKALI. Under TEQIP Phase-II
25	A Two day National Workshop on Data ware housing and Mining (NWDWM-2013)	24-25Jan.,2013	Dept CS& SE, AU College of Engineering Andhra University, Vishakapatnam.
26	Introduction to support vector machines with application under TEQIP Phase-II	16 th to 18 th August 2012	CSE Dept, AITAM, TEKKALI.
27	International conference on Advances in computing (ICADC-2012)	4 th to 6 th July, 2012	MSRIT, MSRIT POST, BANGALORE
28	International conference on Information systems Design and Intelligent Applications-2012(INDIA-2012)	05 th -7 th Jan,2012	COMPUTER SOCIETY OF INDIA. Visakhapatnam Chapter.
29	A Three Day National Workshop on “Multi core Computing: hands on Exposure to Practical Open MP Programming”	20 th to 22 nd October, 2011	Dept of MCA/CSE/IT. AITAM, TEKKALI
30	A Two Day National Workshop on Genomic Signal	19-20 March,2011	CSE Dept, University college of Engg, JNTU, Kakinada.

	Processing (GSP-2011)		
31	National Seminar Theme:”Corporate e Governance” (e COG-2011	26 th to 28 th Feb, 2011	CSI Chapter Vishakhapatnam.
32	Participated in a Mission 10X workshop	21 st to 25 th Feb, 2011.	AITAM, TEKKALI
33	Participated in the 40 th ISTE National Annual convention	2 nd to 4 th December 2010.	at Mepco Schlenk Engineering College, sivakasi
34	A Three day National Workshop on Recent trends in image and Computer Vision Research	28 th to 30 th October,2010	Dept of IT/CSE/MCA, AITAM T,TEKKALI,SRIKAKULAM
35	SOUTHERN REGIONAL CONFERENCE -2010 theme:”Advance in Information and communication technology”	28 th to 30 th June, 2010	CSI Chapter Vishakhapatnam
36	A one day 2 nd National Workshop on Data engineering	26 th March,2010	Dept of CS& SE, college of Engineering(A). Andhra University Vishakhapatnam
37	A One day national Workshop on Computational Biology and Bio technology	2 nd Jan,2009	Dept of Chemical Engineering, A.U college of Engineering(A),A.U,Vishakapatnam,AP- 530003.
38	A Three days in house workshop on OOAD using UML with Rational Rose &	24 th Feb to 26 th Feb,2009	IBM at AITAM, TEKKALI

	RUP from		
39	A one day in House program for FDP on Teaching Methodology and Techniques for Engineering Faculty on	11-11-2009	AITAM, Tekkali
40	A one day National workshop on Emerging Trends in computational Biology organized by on.	5 th October 2008	Department of IT, AITAM, Tekkali
41	Two day Refresher course on: WEKA: A Data Mining Tool	28 th & 29 th December, 2007.	IT/CSE/MCA, AITAM T, TEKKALI, SRIKAKULAM
42	International Workshop on Transdisciplinary Education and research (IWTER-07)	October 23 rd and 24 th , 2007.	A.U College of Engineering(A)A.U, Visakhapatnam
43	National Workshop on Data Mining and business Intelligence	11-12, August 2007	Dept. of Computer science and Engineering, Chaitanya Engg College, Vishakapatnam-41.
44	Diversity to Discovery	April 2 nd to 7 th , 2007	International School of Anthropology, Mysore, Anthropological survey of India and southwest Foundation for Biomedical research, sanantonio, texas, USA.

45	A Two day national workshop on Machine Learning	16-17 th Jan,2007	Dept.of CSE,MVGR Vijayaram Nagar with collaboration Indian Statistical institute,Kolkatta.
46	AICTE sponsored National Workshop on INFORMATION SECURITY	2 nd to 3 rd Feb, 2007	CSE/IT, GMRIT, Rajam
47	INTERNATIONAL CONFERENCE ON BIOINFORMATICS AND DIAMETES MELLITUS-(ICDBM-2006)	25-27March 2006	Dept of CS& SE, A.U.College of Engineering, A.U.Vishakapatnam.

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	Training Programme on SPSS Hands on experience	Three day training programme	19-21Sept.2014	AITAM,TEKKALI
11	9 th ISTE AP SECTION ANNUAL CONVENTION AND AWARDS FUNCTION 2014	ISTE CONVENTION	15 TH AND 16 TH SEP,2014	AITAM,TEKKALI
12	ASPIRE2K15	A Two Day National level Techno management Fest	26-27Feb,2015	AITAM,TEKKALI
13	A Five Day International Workshop on “Reviving Education by Implementing Active & Guided Inquiry Experiences in Science, Technology, Engineering, Math & Management (REIMAGINE STEM)”	A one week Workshop	3-7 Aug,2015	AITAM,TEKKALI

14	12 th ISTE AP SECTION ANNUAL CONVENTION AND AWARDS FUNCTION 2017	ISTE CONVENTION	29 th Dec,2017	AITAM,TEKKALI
15	One Week FDP on Machine Learning and Its Applications	A one week Workshop	4-8th July2020	AITAM,TEKKALI
16	Two Day Workshop on Design Thinking	A Two Day workshop	29th-30th July2020	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
15	Network Monitoring: Key Aspects in Packet Loss and its Measurements	14A51D4002	2014-17

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.	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
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Other Achievements:

1. Professor in-charge R&D Dept.of CSE and IT
2. Ex. 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.
7. Act as a chairing a session at the international conference on Emerging Trends on Engineering Science,Technology and Management-2018 Organized by AITAM during29th &30th November,2018.
8. Act as a chairing a session at the international conference on anagement,Science,Engineering and ApplicationsICMSEA-2018 Organized by Baba Institute of Technology and sciences,Visakhapatnam dduring 20th to 22nd,Dec2018.
- 9.NPTEL online Certificate on Accreditation and Outcome Based Learning on Aug-Oct2019

(Dr. G. Nageswara Rao)