Dr. M Nagaratna

M.Tech, PhD

Professor & Controller of Examiantions

Computer Science & Engineering

Areas of Interest:
Computer Networks, Design & Analysis of Algorithms, Advanced Data Structures, Mobile Computing, Computer Graphics, Web Technologies, Discrete Mathematics, Advanced Algorithms. OOAD,Soft Computing, Java, C, C++

- **Educational & Professional**

- **Academic Qualifications**
  - Ph.D in Computer Science & Engineering, JNTUH (2004-2012)
- M.Tech in Computer Science & Engineering, College Of Engineering Osmania University (1999-2001)
- B.E in Civil Engineering, College Of Engineering Osmania University (1994-1998)

  Professional Experience

- **At JNTUH**
- Professor, JNTUHCEH (2019 - Till Date)
- Professor, JNTUHCEH (2019 - Till Date)
- Associate Professor, JNTUHCEH (2016 - 2019)
- Assistant Professor, JNTUHCEH (2003 - Till Date)

- **Publications**

- International Journals

- Swapna D, Nagaratna M, *A Review on Routing Protocols for Mobile Wireless Sensor Networks (MWSN): Comparative Study*, International Journal of System Assurance Engineering and Management, May, 2023

- V Venkataiah,**M. Nagaratna**, *Integration of Diversity Enhancement of Particle Swarm Optimization and Neighbourhood Search with k radius to predict Software Cost Estimation*, International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING, ISBN No.ISSN:2147-6799, Vol No.10, Issue No.1s, pp.348-362, 2022

- V Venkataiah1,**M. Nagaratna**, *Application of Chaotic Increasing Linear Inertia Weight and Diversity Improved Particle Swarm Optimization to Predict Accurate Software Cost Estimation*, International Journal of Electrical and Electronics Research (IJEER), ISBN No.e-ISSN: 2347-470X, Vol No.10, Issue No.2, pp.154-160, FOREX Publication, May, 2022

- Sriperambuduri Vinay Kumar,,**M. Nagaratna**, *Task Scheduling in Cloud Computing Using PSO Algorithm*, Smart Intelligent Computing & Applications, ISBN No.DOI 10.1007/978-981-16-9669-5_49, Vol No.1, pp.541-550, Â© Springer Nature Singapore Pte Ltd., 2022

- Sriperambuduri Vinay Kumar,,**M. Nagaratna**, *Comparison of Algorithms for Workflow Applications in Cloud Computing*, International Journal of Engineering and Advanced Technology, ISBN No.ISSN: 2249-8958 (Online),, Vol No.11, Issue No.1, pp.35-59, The Authors. Published by Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP)., Oct, 2021

- V. Venkataiah,,**M. Nagaratna**, *Application of Hybrid Techniques to Forecasting Accurate Software Cost Estimation*, International Journal of Recent Technology and Engineering (IJRTE), ISBN No.ISSN No, Vol No.7, Issue No.6S,, pp.408-412, Blue Eyes Intelligence Engineering&Sciences Engineering, March, 2019

- V. Venkataiah,,**M. Nagaratna**, *Prediction of Software Cost Estimation Using Spiking Neural Networks*, S. C. Satapathy et al. (eds.), Smart Intelligent Computing and Applications, Smart Innovation, Systems and Technologies, ISBN No.https://doi.org/10.1007/978-981-13-1927-3_11, pp.101-112, Â© Springer Nature Singapore Pte Ltd., 2019

- Y. Sowmya, Dr. M. Nagaratna, Dr. C. Shoba Bindhu, *Differential Privacy Based Solution for Protecting Privacy of Big Data*, International Journal of Computer Sciences and Engineering, Vol No.6, Issue No.6, pp.707-713, IJCSE Publication, June, 2018

- Y.Sowmya , Dr. M. Nagaratna, Dr. C. Shoba Bindhu, *M-SANIT : A FRAMEWORK FOR EFFECTIVE BIG DATA SANITIZATION USING MAP REDUCE PROGRAMMING IN HADOOP*, Journal of Theoretical and Applied Information Technology , ISBN No.ISSN:1992-8645, E-ISSN:1817-3195, Vol No.96, Issue No.6, pp.1596-1605, Little Lion Scientific, March, 2018

- D. Jeevitha, Dr. M. Nagaratna, *CBRP: A Network clustering model in vehicular ad-hoc networks*, Journal of Emerging Technologies and Innovative Research, ISBN No.ISSN: 2349-5162, Vol No.5, Issue No.11, IJPUBLICATION, November, 2018

- R. Prathibha Spurthi, Dr. M. Nagaratna, *An Efficient Filtering Technique to Avoid the Congestion Control*, Journal of Emerging Technologies and Innovative Research, ISBN No.ISSN: 2349-5162, Vol No.5, Issue No.11, pp.593-598, IJPUBLICATION, November, 2018

- Y. Sowmya, Dr. M. Nagaratna, Dr. C. Shoba Bindhu, *M-SANIT : Evaluation of Misusability Measure Based Big Data Sanitization*, International Journal of Pure and Applied Mathematics , ISBN No.ISSN: 1314-3395, Vol No.119, Issue No.18, pp.1859-1869, Academic Publications Ltd., 2018

- Thumula Mounika, Dr. M. Nagaratna, *Automated Irrigation System in Agriculture using IOT*, International Journal of Informative & Futuristic Research, ISBN No.ISSN:2371-1697, Vol No.6, Issue No.3, pp.7-11, November, 2018

- V. Venkataiah,, Nagaratna M, *Review on Intelligent and Soft Computing Techniques to Predict Software Cost Estimation*, International Journal of Applied Engineering Research, ISBN No.0973-4562, Vol No.12, pp.12665-12681, Research India Publications., 2017

- V. Venkataiah,,**M. Nagaratna**, *Application of Ant Colony Optimization Techniques to Predict Software Cost Estimation*, Computer Communication, Networking and Internet Security, Lecture Notes in Networks and Systems 5,, ISBN No.DOI 10.1007/978-981-10-3226-4_32, pp.315-325, Springer Nature Singapore Pte Ltd. , 2017

- E.Saraswathi, Dr. M. Nagaratna, *Spatial Inverted Index for Spatial Queries*, International Journal of Innovative Science and Research Technology , Vol No.2, Issue No.5, pp.495-498, May, 2017

- DR. M. Nagaratna, Bhavani Lakkarusu, *Auto Suggestion Based on lucene*, International Journel of Electrical Electronics & Computer Science Engineering, Vol No.4, Issue No.3, pp.4-6, Scientific Research Publishing, June, 2017

- V. venkatiah, Dr. RamaKanta Mohanty, Dr.M.Nagaratna, *Review on Intelligent and Soft Computing techniques to Predict Software Cost Estimation*, International Journal of Applied Engineering Research, Vol No.12, Issue No.22, pp.12665-12681, Research India Publications, 2017

- Y. Sowmya, Dr. M. Nagaratna, *Parellelizing K-Anonymity Algorithm for Privacy Preserving Knowledge Discovery from Big Data*, International Journal of applied Engineering Research, ISBN No.0973-4562, Vol No.11, Issue No.2, pp.1314-21, Research India Publications, Feb, 2016

- M. Vivekananda Swamy, Dr. M. Nagaratna, *Securing Data and Tracking Data Leakages in Business Applications*, International Journel of Electrical Electronics & Computer Science Engineering, ISBN No.E-ISSN:2348-2273 , Vol No.3, Issue No.1, pp.34-35, February, 2016

- R. Naresh, Dr. M. Nagaratna, *SCHEDULING AND ROUTING PROBLEM IN MULTI HOP NETWORKS WITH TIME-VARYING CHANNELS AND RECONFIGURATION DELAYS*, International Journal For Technological Research In Engineeringineering, Vol No.4, Issue No.2, pp.339-342, October, 2016

- T. Panchajanyam , Dr. M. Nagaratna, *DESIGNING COST-EFFICIENT SECURE ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORKS*, International Journal For Technological Research In Engineering, Vol No.4, Issue No.2, pp.335-338, October, 2016

- PALADUGU DIVAYSREE, Dr. M. Nagaratna, *End-user Query Search using Keyword NNE Algorithm*, International Journal of Scientific Engineering and Technology Research , Vol No.5, Issue No.46, pp.9472-9475, November, 2016

- Vinay Kumar, M. Sashi Kumar, Dr. M. Naga Ratna, *A Survey of Scheduling Mechanisms in Cloud*, International Journal of Innovative Science Engineering & Technology, ISBN No.2348-7968, Vol No.2, Issue No.6, pp.40-44, June, 2015

- Dr.M. Nagaratna, D. Surender, *Advanced Driver Assistance & Safety Warning System for Car Driving*, International Journal on Recent & Innovation Trends in Computing & Communication, ISBN No.2321-8169, Vol No.3, Issue No.7, pp.5046-49, July, 2015

- Dr.M. Naagaratna, V. NarasimhaRao Guttula, *Rebroadcasting for Minimization of Routing Based upon Neighbor Coverage in MANET's*, International Journal of scientific Research, ISBN No.2277-8179, Vol No.4, Issue No.7, pp.616-18, July, 2015

- Y. Sowmya, Dr. M. Nagaratna, *A Review on Big Data Mining, Distributed Programming Frameworks & Privacy Preserving Data Mining Techniques*, International Journal of Advanced Research in Computer Science, ISBN No.0976-5697, Vol No.6, Issue No.1, Jan-Feb, 2015

- Dr.M. Nagaratna, Nafees Fathima, *Automatic Caption Generation for Pictures Available on Web*, International Journal of science & Research(IJSR), ISBN No.2319-7064, Vol No.3, Issue No.8, pp.1865-68, August, 2014

- Dr.M. Nagaratna, S. Swarajya Lakshmi, *Benchmarks for Overlapping Community Detection Algorithms*, International Journal of science & Research(IJSR), ISBN No.2319-7064, Vol No.3, Issue No.8, pp.1690-93, August, 2014

- J. Pratheeka, Dr. M. Nagaratna, *Secure Data Sharing In Multi-Owner for Dynamic Groups in Cloud*, International Journal of science & Research(IJSR), ISBN No.2319-7064, Vol No.3, Issue No.8, pp.1684-86, August, 2014

- Ettaboina Sharanya, Dr. M. Nagaratna, *A Tracking System using Location Prediction & Dynamic Threshold for Minimising Message Delivery*, International Journal of Ethics in Engineering & Management Education, ISBN No.2348-4748, Vol No.1, Issue No.11, pp.1-2, November, 2014

- S. Naga Bhushanam, Dr. M. Nagaratna, *RISK Awareness System in Railway & Atmosphere Management With Gating System*, International Journal of Scientific Engineering & Technology Research, ISBN No.2319-8885, Vol No.3, Issue No.21, pp.4240-4243, September, 2014

- Ravula Shashankh, Dr. M. Nagaratna, *Monitoring & Controlling the Driving Conditions using Control Area Network*, International Journal of Scientific Engineering & Technology Research, ISBN No.2319-8885, Vol No.3, Issue No.19, pp.3975-78, September, 2014

- **M. Nagaratna**, Waseem Ahmed, *Throughput Maximization in MANET's using AODV Routing Protocol with coding Opportunity Discovery*, International Journal of Computer Science & Networks(IJCSN), ISBN No.2277-5420, Vol No.1, Issue No.6, pp.11-16, December, 2012

- **M. Nagaratna**, V. Kamakshi prasad, C. Raghavendra Rao, *Computation of Group Discovery Algorithm in MANET's*, International Journal of Multimedia, Computer Vision & Machine Learning, Vol No.2, Issue No.1, pp.25-28, Jan-June, 2011

- **M. Nagaratna**, P.V.S Srinivas, V. Kamakshi prasad, C. Raghavendra Rao, *Computation of Multiple Paths in MANET's Using Node Disjoint Method*, International Journal of Computer Science Issues(IJCSI), ISBN No.1694-0814, Vol No.8, Issue No.3, pp.550-54, May, 2011

- **M. Nagaratna**, Dr.V. Kamakshi prasad, Dr.C. Raghavendra Rao, *Performance Evaluation of Tree-Based Multicast Routing Protocols in MANET's*, International Journal of Computer Science & Technology, ISBN No.0976-8491, Vol No.2, Issue No.3, pp.558-62, September, 2011

- **M. Nagaratna**, Dr.C. Raghavendra Rao, Dr.V. Kamakshi Prasad, *Node Disjoint Split Multipath Multicast Ad-hoc on-demand Distance Vector Routing Protocol(NDSM-MAODV)*, International Journal of Computer Applications, ISBN No.0937-8887, Vol No.26, Issue No.10, pp.1-12, July, 2011

- **M. Nagaratna**, V. Kamakshi prasad, C. Raghavendra Rao, *Performance Evaluation of Mesh-Based Multicast Routing Protocols in MANET's*, International Journal of Advanced Computer Science & Applications, ISBN No.2156-5570, Vol No.2, Issue No.7, pp.44-52, 2011

- **M. Nagaratna**, Dr.V. Kamakshi prasad, Dr.C. Raghavendra Rao, *Team Multicasting Routing Protocol In MANET's*, International Journal of Computer Science & Network Security, ISBN No.1738-7906, Vol No.9, Issue No.6, pp.85-92, June, 2009

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International Conference

- P.M.Prasuna, Dr.Y.Ramadevi, Dr.M.Nagaratna, *Identification of Skin Disorders*, Internatioonal Conferece on Intelligent computing Applications, ISBN No.978-81-9291131-0-0, pp.139-142, 2014

- Vinay kumar, M.Nagaratna, *CA-AOMDV: A Channel - Aware AOMDV routing Protocol for MANETs*, International Conference on Computational Intelligence and Applications, pp.20-28, 2012

- **M. Nagaratna**, C. Raghavendra Rao, V. Kamakshi Prasad, *Node Disjoint Split Multipath, Protocol for Unified Multicasting through Announcements (NDSM-PUMA)*, International Conference on Computer Science & Information Technology(CSIT 2011), ISBN No.978-93-81361-16-0, pp.373-380, 2011

- **M. Nagaratna**, Dr.V. Kamakshi prasad, S. Tanuz Kumar, *Detecting & Preventing IP- spoofed DDoS Attacks by Encrypted Marking based Detection & Filtering(EMDAF)*, International Conference on Advances in Recent Technologies in Communication & Computing, ISBN No.978-0-7695-3845-7/09, pp.753-55, 2009

- **M. Nagaratna**, Dr.V. Kamakshi prasad, T.Y.J. Naga Malleswari, *Streaming media Caching Algorithms for Transcoding proxies(Tec & AMTrac)*, International Journal on Advanced Computing Technologies, ISBN No.978-81-7800-188-3, pp.642-48, December, 2008

- **Events Participated/Organized**

- **Co-ordinated**
- ‣ Coordinated for a Workshop on *EXCITE-2016 Summer Product Engineering Workshop*, In Collaboration With HYSEA & TASK, JNTUH College of Engineering Hyderabad, 27-07-2016 to 02-08-2016
- ‣ Coordinated for a Workshop on *One Week Finishing School on R-Programming For M.TECH Under TEQIP-II*, Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad, 01-06-2016 to 07-06-2016
- ‣ Coordinated for a Workshop on *EXCITE-2016*, Department of CSE, JNTUH CEH, 27-05-2016 to 02-07-2016
- ‣ Coordinated for a Symposium on *Quest 2016*, Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad, 18-03-2016 to 19-03-2016
- ‣ Coordinated for a Symposium on *QUEST-2016*, Department of CSE, JNTUH CEH, 18-03-2016 to 19-03-2016
- ‣ Coordinated for a Refresher Course on *Application of Rough Sets in Knowledge Discovery and Pattern Recognition*, UGC - ASC, JNTUH, 17-06-2013 to 06-07-2013
- ‣ Coordinated for a Symposium on *Quest 2013*, Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad, 14-03-2013 to 15-03-2013
- ‣ Coordinated for a Workshop on *Embedded Game Development*, Conducted by Technophilia Systems in association with Robotics & Computer Applications Institute Of USA held at JNTU College of Engineering Hyderabad, 12-03-2013 to 13-03-2013
- ‣ Coordinated for a Refresher Course on *Internet of Things*, UGC - HRDC, JNTUH, 01-01-1970 to 30-10-2017
- ‣ Coordinated for a FDP on *Algorithms*, Department of CSE, JNTUH CEH,

- **Presented**
- ‣ Presented a paper in *Venkataiah, M. Nagaratna, 2nd International Conference on Smart Computing & Informatics (SCI-2018), Paper Title: Prediction of Software Cost Estimation Using Spiking Neural Networks*, Department of CSE & IT, PVP Siddhartha Institute of Technology, Vijayawada, 27-01-2018 to 28-01-2018
- ‣ Presented a paper in *Venkataiah, M. Nagaratna, 3rd International Conference on Computer & Communication Technologies (IC3T), Paper Title: Application of Ant Colony Optimization Techniques to Predict Software Cost Estimation*, Department of CSE, MIC College of Technology, Vijayawada, 05-11-2016 to 06-11-2016
- ‣ Presented a paper in *Effective Visiting Schedule Generation in a Tourist Recommender System Using Hadoop, 1st International Conference on Computational Intelligence and Informatics (ICCII-2016)*, JNTUH College of Engineering Hyderabad, 28-05-2016 to 30-05-2016
- ‣ Presented a paper in *Application of Particle Swarm Optimization (PSO) Technique Predict Software Cost Estimation*, International Conference on Computational Intelligence Communication System Networks(CSNT 2016) chandigarh, 05-03-2016 to 07-03-2016
- ‣ Presented a paper in *Identification of Skin Disorders- A Rough Set Theory approach*, International Conference on Intelligent Computing Applications at Bharathiar University Coimbatore, 28-03-2014
- ‣ Presented a paper in *Optimized path Selections based on Multi Criteria in MANET*, International Conference on Emerging trends in Engineering & Management(ICETEM), organized by Sri Visvesvaraya Institute of Technology & Science Mahabubnagar, 29-11-2013 to 30-11-2013
- ‣ Presented a paper in *CA-AOMDV:A Channel-Aware AOMDV routing Protocol for MANETs*, Computational Intelligence & Applications(NCCIA-2012 at Geethanjali Institute of Technology, R.R district, 02-09-2012
- ‣ Presented a paper in *AODV-COD: AODV Routing Protocol With XOR coding Scheme*, Computational Intelligence & Applications(NCCIA-2012 at Geethanjali Institute of Technology, R.R district, 02-09-2012

- **Participated**
- ‣ Participated in a Training on *Advanced Technology Program on AI & ML*, Wipro, 17-06-2024 to 21-06-2024
- ‣ Participated in a Training on *Wipro Certified Faculty Program on Java Full Stack*, Wipro, 03-10-2023 to 20-10-2023
- ‣ Participated in a FDP on *Achieving Excellence in Engineering Education*, CSDEC The Institute of Engineers, HP State Centre, Shimla, 24-05-2018 to 28-05-2018
- ‣ Participated in a Workshop on *NBA Accreditation*, Department of CSE, JNTUH CEH, 14-12-2017 to 16-12-2017
- ‣ Participated in a Conference on *2nd International Conference on Computational Intelligence & Informatics (ICCII - 2017)*, Department of CSE, JNTUH CEH, 25-09-2017 to 27-09-2017
- ‣ Participated in a Refresher Course on *Strategies for Research Oriented Teaching*, UGC - ASC, JNTUH, 05-06-2017 to 24-06-2017
- ‣ Participated in a Workshop on *Big Data Analytics using R*, Department of CSE, JNTUH CEH, 27-01-2017 to 28-01-2017
- ‣ Participated in a Workshop on *Big Data Analytics using R*, Department of CSE, JNTUH CEH, 27-01-2017 to 28-01-2017
- ‣ Participated in a Conference on *1st International Conference on Computational Intelligence and Informatics(ICCII-2016)*, Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad, 28-05-2016 to 30-05-2016
- ‣ Participated in a Conference on *1st International Conference on Computational Intelligence & Informatics*, Department of CSE, JNTUH CEH, 28-05-2016 to 30-05-2016
- ‣ Participated in a Workshop on *National-Level Faculty Development Program on "Machine Learning"*, Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad, 11-04-2016 to 16-04-2016
- ‣ Participated in a FDP on *Machine Learning*, Department of CSE, JNTUH CEH, 11-04-2016 to 16-04-2016
- ‣ Participated in a Workshop on *One-Week Faculty Development Program on "Software Engineering"*, Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad, 22-03-2016 to 27-03-2016
- ‣ Participated in a FDP on *Software Engineering*, Department of CSE, JNTUH CEH, 22-03-2016 to 27-03-2016
- ‣ Participated in a Workshop on *Emerging trends in Cloud Computing*, JNTUH College of Engineering Hyderabad, under TEQIP-II, 21-12-2015
- ‣ Participated in a Workshop on *One Week Faculty Development Program on "Information Storage & Management"*, JNTUH College of Engineering Hyderabad, under TEQIP-II, 01-06-2015 to 06-06-2015
- ‣ Participated in a Training on *Management Capacity Enhancement For Administrators*, IIML Noida Campus, 25-05-2015 to 29-05-2015
- ‣ Participated in a Refresher Course on *3-week Refresher Course on "Cloudera- Bigdata & Cloud Analytics"*, UGC- Academic Staff College, JNTUH, 10-11-2014 to 29-11-2014
- ‣ Participated in a Refresher Course on *Cloudera: Big Data and Cloud Analytics*, UGC - ASC, JNTUH, 10-11-2014 to 29-11-2014
- ‣ Participated in a Workshop on *Pre-conference workshop of First International Conference on Rough Sets and Knowledge Technologies(ICRSKT-2014)*, Conducted by Department of Computer Science & Engineering in Collaboration with the Indian Society for Rough Sets, 09-11-2014
- ‣ Participated in a Conference on *38th National System Conference(NSC-2014)*, JNTUH College of Engineering Hyderabad, 05-11-2014 to 07-11-2014
- ‣ Participated in a Workshop on *Mentoring Skills & Thinking Skills for Engineering Faculty*, JNTUH College of Engineering Hyderabad, under TEQIP-II, 18-07-2014 to 19-07-2014
- ‣ Participated in a Workshop on *2-week Faculty development Program on Entrepreneurship*, Organized by Entrepreneurship Development Cell, JNTU Hyderabad, 23-06-2014 to 05-07-2014
- ‣ Participated in a Workshop on *2-week National level Faculty Development Program on "Applications of Geomatics for Disaster management"*, Organized by Centre for Water Resources, Institute of Science & Technology, JNTU Hyderabad, 30-12-2013 to 11-01-2014
- ‣ Participated in a Workshop on *Rough Sets & Knowledge technologies*, JNTUH College of Engineering Hyderabad, under TEQIP-II, 10-11-2013 to 11-11-2013
- ‣ Participated in a Training on *2-week Training program on "Digital Image Processing of Remotely Sensed Data"*, Sponsored by Ministry of Science & Technology, Government of India New Delhi, at JNTU Hyderabad, 16-09-2013 to 28-09-2013
- ‣ Participated in a Workshop on *IEEE XPLORE Digital Library User Awareness Workshop*, JNTUH College of Engineering Hyderabad, 02-08-2013
- ‣ Participated in a Refresher Course on *3-week Refresher Course on "Role of Communication skills in Effective Teaching"*, UGC- Academic Staff College, JNTUH, 17-05-2013 to 06-06-2013
- ‣ Participated in a Training on *IBM SEED Program, Rational Software Architect*, JNTUH College of Engineering Hyderabad, 07-01-2013 to 09-01-2013
- ‣ Participated in a Workshop on *Research Aspects in Information Security*, JNTUH College of Engineering Hyderabad, 06-12-2012 to 07-12-2012
- ‣ Participated in a Workshop on *Faculty Development Program on Agile Methodologies- SCRUM Method*, Tata Consultancy Services Limited Synergy park office, Hyderabad, 18-02-2012
- ‣ Participated in a Workshop on *Recent Trends in Technical Education*, JNTUH College of Engineering Hyderabad, 20-03-2010
- ‣ Participated in a Conference on *4th International Conference on Information Security(ICISS-08)*, JNTU Hyderabad, 16-12-2008 to 20-12-2008
- ‣ Participated in a Workshop on *One Day National Workshop Ubi Comp India 2008*, Organized by Center for Development of Advanced Computing, Hyderabad in association with R&D Division, Department of Information Technology, Government of India, 05-09-2008
- ‣ Participated in a Orientation Course on *General-II*, UGC- Academic Staff College, JNTUH, 25-02-2008 to 22-03-2008
- ‣ Participated in a Workshop on *Microsoft .NET*, Organized by Microsoft &JNTU College of Engineering Hyderabad, 26-11-2007 to 28-11-2007
- ‣ Participated in a Training on *Special Training Program(STP), Faculty Enablement program(FEP) on Foundation Computer Science Courses- An Industry perspective*, Organized by Infosys Technologies Limited for Institute for Electronic Governance, JNTU, Rajiv Udyogasri, 08-10-2007 to 13-10-2007
- ‣ Participated in a Refresher Course on *Mobile Computing*, UGC- Academic Staff College, JNTUH, 08-11-2004 to 30-11-2004
- ‣ Participated in a Training on *ISTE- STTP sponsored Two weeek Training Program on Geomatics Engineering(Remote Sensing and GIS) in Environmental Management*, Institute of Science & Technology(IST), Centre For Environment, Hyderabad, 15-03-2004 to 27-03-2004
- ‣ Participated in a Refresher Course on *Network Programming*, UGC- Academic Staff College, JNTUH, 29-10-2003 to 18-11-2003
- ‣ Participated in a Workshop on *National Workshop on Quality Improvement in Product And Process Design using Taguchi Approach(QIPPDTA)*, Jointly organized by JNTUH & PRRM Engineering College Shabad, 24-09-2003 to 27-09-2003
- ‣ Participated in a Workshop on *Design and Analysis of Algorithms*, Raja Mahendra College of Engineering, Ibrahimpatnam R.R District, 28-12-2002 to 12-01-2003
- ‣ Participated in a Conference on *V. K. Sriperambuduri, M. Nagaratna, A Modified-PSO Algorithm to Schedule Scientific Workflows in Cloud, © The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2023 A. Kumar et al. (eds.), Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing, Cognitive Science and Technology, https://doi.org/10.1007/ 978- 981- 99- 2746 -3_48*, AgsjGS, to 01-11-2023
- ‣ Participated in a Conference on *Vedika Jorika, Nagaratna Medishetty, Consensus Algorithms of Blockchain, International Conference on Research in Sciences, Engineering, and Technology AIP Conf. Proc. 2971, 020025-1–"020025-4; https://doi.org/10.1063/5.0195791 Published by AIP Publishing. 978-0-7354-4866-7*, Xxxxxxxxx, to 05-06-2024

Honors & Professional Activities

Professional Activities

- Chaired a Technical Session in the 1st International Conference on Computational Intelligence and Informatics (ICCII-2016) held during May 28-30, 2016 at JNTUH.
- Chaired a Technical Session in the International Conference on Innovations in Computer Science & Information Technology(ICICSIT-2015) held on 29th August 2015 at MGIT Hyderabad.
- Chaired a Technical Session in the 1st International Conference on "ROUGH SETS AND KNOWLEDGE TECHNOLOGIES" held during 2014 at JNTUH.
- Chaired a Technical Session in the Two Day National Workshop on "ROUGH SETS AND KNOWLEDGE TECHNOLOGIES" held during 10th & 11th November 2013 at JNTUH.
- Chaired & delivered a lecture on "Recent Trends on Mobile Ad hoc Networks" in the Two day National Conference for Emerging Trends of Engineering Applications(NCETEA 2013) held on 3rd April 2013 at Al Habeeb College of Engineering & Technology Chevella.
- Chaired a Technical Session in the National Conference for Emerging Trends of Engineering Applications(NCETEA 2012) held on 15th March 2012 at Al Habeeb College of Engineering & Technology Chevella.
- Chaired & delivered a lecture for National Conference on Knowledge Engineering held during 29th&30th July 2011 at MGIT Hyderabad.

Teaching
- Advanced Data Structures in CFIS M.Tech, I (2022-2023)
- Advanced Algorithms in CSE M.Tech, II (2023)
- Randomized Algorithms in CSE M.Tech, II (2021-2022)
- M.Tech in CSE II (2021)
- Web Technologies in CSE B.TECH IV Year- I Semester (2010-11)
- Design Patterns in CSE M.TECH IYear-IISemester (2010-11)
- Advanced Computer Networks in CSE M.TECH IYear-IISemester (2012-13)
- Object Oriented Programming Through C++ in ECE M.TECH IYear-ISemester (2003-04)
- System Programming in CSE B.TECH III Year- I Semester (2004-05)
- Design & Analysis of Algorithms in CSE M.TECH IYear-IISemester (2008-09)
- Advanced java Programming in MCA IV Semester (2007-08)
- Advanced Problem Solving in CSE M.TECH IYear-ISemester (2009-10)
- Web Technologies in CSE M.TECH IYear-ISemester (2008-09)
- Discrete Structures & Graph Theory in CSE B.tech II Year- I Semester (2004-05)
- Object Oriented Analysis & Designing in CSE B.TECH IV Year- II Semester (2006-07)
- Computer Graphics in CSE B.TECH III Year- II Semester (2006-07)
- Data Structures & Algorithms in MCA II Semester (2016-17)
- Mobile Computing in CSE B.TECH IV Year- I Semester (2011-12)
- Advanced Data Structures & Algorithms in CSE M.TECH IYear-ISemester (2013-14)
- Soft Computing in CSIE M.TECH IYear-IISemester (2015-16)
- Computer Graphics in MCA III Semester (2015-16)
- Design & Analysis of Algorithms in CSE BTECH IDP, II Year - II Semester (2015-16)
- Advanced Data Structures in CSE B.TECH IDP, II Year- I Semester (2016-17)

Adminstrative Positions Held
- Controller of Examinations, JNTUH Exam Branch, 16 Feb 2024 - Present
- Warden for Girls Hostel, JNTUHCEH, 09 Apr 2018 - 01 Apr 2024
- Additional Controller of Examinations, JNTUH Exam Branch, 30 Jan 2023 - 15 Feb 2024
- Additional Controller of Examinations, JNTUH Exam Branch - 31 Jan 2022
- Officer in Charge, Examination branch, JNTUHCEH, 01 Jan 2016 - 01 May 2018
- Deputy Warden, Girls Hostel, JNTUHCEH, 20 Dec 2016 - 09 Apr 2018

Contact :

Dr. M Nagaratna
Computer Science & Engineering

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Alternate Email: mratnajntu@gmail.com