



Dr. NAGESH VADAPARTHI

8-14-19, Balaji Nagar

Vizianagaram,

Andhra Pradesh

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Objectives

To contribute effectively for the growth of the organization I work for which I am sure, will in turn contribute to my personal growth and knowledge enhancement.

Education

- **Awarded Ph.D. in Computer Science & Engineering in the year 2013 from JNTU, Kakinada, AP.**
- **Completed M.Tech. (CSE) in Feb, 2008 from Jawaharlal Nehru Technological University, Kakinada, AP.**
- **Completed B.E (Computer Technology) in May, 2002 from RCERT (Nagpur University), Chandrapur, Maharashtra.**
- **Completed Diploma in Computer Engineering in May, 1998 from VMR Polytechnic (SBTET-Hyd.), Warangal.**

Professional Experience

- **Working as Professor & Head of IT Department at MVGR College of Engineering, Vizianagaram since 1st Aug, '14 to Till Date.**
- **Worked as Associate Professor at MVGR College of Engineering, Vizianagaram since 1st Apr, '08 to 31st July '14.**
- **Worked as Assistant Professor at MVGR College of Engineering, Vizianagaram from 1st Oct, '04 to 1st Apr, '08**
- **Worked as Assistant Professor in Pydah College of Engineering, VSKP and NIET, Sattenapalli for 2 years 2 Months during the period 1st Aug, '02 to 30th Sep, 04.**
- **Worked as Hardware Engineer in Login Infosys, Vizianagaram for 1 year (Sep'98 to Aug'99).**

Professional Body Memberships

- Senior Member of Institute of Electrical and Electronics Engineers (IEEE) - 90919260
- Senior Member of International Association of Computer Science & Information Technology(IACSIT) - 80346982
- Member of International Association of Engineers (IAENG) - 132456
- Life Member of Computer Society of India(CSI) - 00172965
- Life Member of Institute of Engineers – India (IEI) - M-147343-8
- Associate Member of The Indian Society for Technical Education (ISTE) - 5775
- Member of Institute for Engineering Research & Publication (IFERP) - PMIN89042716

Job Profile

Apart from handling the academic subjects

- Convener for Purchase Committee during Nov'2013 to Aug'2016.(College wide purchases)
- Project guidance(Guided for more than 40 projects for Under Graduate Students)

- Guiding Students for Paper Presentations
- Member of Time Table Committee for 3 years (2004 – 2007).
- Member of Networking and E-Services committee for 2 years (2007-09)
- Member of Purchase Committee for 1 Year (2008-09).
- Member of Maintenance Committee for 1 year (2009-2010)
- Backup – SPOC for Campus Connect Program of INFOSYS (2008-2010)
- **Contributions**
 - Designed and Established **LAN** in two Computer laboratories at IT & ECE Departments and **Wireless LAN** in Administrative block at MVGR College of Engineering.
 - Established **Computing Laboratory – II** in IT Department at MVGR College of Engineering.
 - Member of Core Team constituted for **NBA** accreditation process 2008-09) and designed few standard formats to maintain college wide database (viz., Faculty Appraisal forms, Students’ data sheet, etc.)
 - Implemented **Biometric attendance system** for both Staff & Students in the college.
 - Established **CCTV Surveillance system** in entire campus.

Subjects Handled

- **Programming:** C and Data Structures
- **Computer Hardware and System Software Concepts:** Operating Systems, Computer Organization, Digital Logic Design
- **Networks:** Data Communications, Computer Networks, Advanced Computer Networks, Network Protocols, Internet Technologies, Information Security, Mobile Computing.
- **Project Management:** Software Engineering
- **Database Management:** Database Management Systems, Distributed Databases
- **Distributed Environment:** Cloud Computing, Hadoop & Big Data
- **Others:** Multimedia and Application Development, Environmental Studies.

Areas of Interest

- Medical Imaging
- Grid & Cloud Computing
- Machine Learning. Deep Learning

Patents

- **Granted:**
 - “A system and method for recognizing the emotions based on electrical bio-signals and speech signals”, granted for Eight years from 19 April 2021. (IP Australia - Patent number: 2021102045)
- **Published:**
 - “Artificial Intelligence Based Automated Music Composing Model”, July 2019 (Application No.: 201941022847)

- “Flexible Spacesuit Hand Gloves”, Dec. 2020.(Application No.: 202041055099).

Book Publications

- Authored a book titled “Segmentation of Medical MR Images Using Skew Gaussian Distribution”, ISBN No: 978-613-9-83282-8, LAP LAMBERT Academic Publishing, UK, 2018.
- Co-authored a book titled “A Secure Cloud Framework for Text Processing Using Hadoop MapReduce”, ISBN No.: 978-613-9-82857-9, LAP LAMBERT Academic Publishing, UK, 2018.

R&D Funded Projects & Consultancy works

- Executing a project titled “ANALYSIS OF TUMORS FROM MRI IMAGES AND ITS INTENSITY”.
- Completed a project titled “AN EFFICIENT BRAIN MR IMAGE SEGMENTATION FOR EASY DIAGNOSTIC PROCESS” funded by **Institution of Engineers (India)**.
- 3 consultancy works for office of Superintendent of Police, Vizianagaram, A.P., under social responsibility to serve the public.

Thesis Adjudication & Book/Journal Reviewer

- Adjudicated various Ph.D. thesis works.
- Reviewed a book on “C Programming” for McGraw Hill publisher.
- **Reviewer** for
 - **Defense Science Journal** published by DRDO India.
 - **IEEE – Access, Transactions on Image Processing**
 - **Elsevier – ESA Journal**
 - **Springer – MVA, SUPE Journals**
 - **Oxford – Computer Science Journal**
 - **IJACSA, IJAIML**
 - **Various Springer Conferences.**

Positions & Achievements

- **Head of the Department** for Department of **Information Technology** in MVGR College of Engineering, Vizianagaram since March 2014.
- **Deployment and Administration of Online classes for Students of MVGR through Microsoft Teams Tools** during the COVID-19 pandemic lockdown period for entire college.
- Organized a Faculty Development Program on “**Hadoop & Big Data Analytics**” in association with NIT Warangal & E&ICT during 14th – 19th November, 2016.
- Organizing committee member of “International Conference on Internet of Things and Applications for Smart City (ICIOTAS-16)” held during 18th – 19th March, 2016 at Annamacharya Institute of Technology & Sciences, Tirupathi.
- **Session Chair** in an “**International Conference on Computational Intelligence & Soft Computing**” held on 19th – 20th December 2015.
- **Member for Board of Studies** of MR(A) College for Men, Vizianagaram from the academic years 2008-09 to 2015-16 (*Syllabus framing for B.Sc. and B.A Courses*).
- **Academic Coordinator** in IT Department of MVGR College of Engineering, Vizianagaram from Feb, 2010.
- Completed **Campus Connect Foundation Program** for One batch successfully.
- **Member of Technical Paper Review Committee** at NIET, Sattenapalli, Guntur.
- **Course Co-Coordinator** for a course of PGDSE offered by WIPRO Technologies at M.R Autonomous College, Vizianagaram.
- Designed syllabus and framed the guidelines for the **PGDSE** program offered by **WIPRO Technologies** at M.R Autonomous College, Vizianagaram.

Seminars/Guest Lectures Delivered

- Resource Person for AICTE (STTP) Sponsored One Week FDP on **“Machine Learning Applications with R Programming”** during 6th to 11th March, 2020 organized by Department of CSE, MVGR College of Engineering (A), Vizianagaram, AP., India.
- Resource Person for AICTE (Under Margdarshan Scheme for Share & Mentor Institutions) Sponsored One Week FDP on “Effective Teaching and Outcome Based Education” for the topic **“Creativity in Teaching”** during 11th to 16th November, 2019 organized by Sree Vidyanikethan Engineering College, Rangampet, AP., India.
- Delivered a talk on **“Applications of Machine Learning”** at RCERT, Chandrapur, Maharashtra during 06th July 2019.
- Delivered a talk on **“Hadoop & Big Data Analytics”** at Aadikavi Nannayya University, Rajahmundry during 22nd Feb. 2018.
- Delivered a keynote address on **“Hadoop Technologies”** at GIT, GITAM University during a 3-day workshop on “Big Data Analysis” held during 11th – 13th June, 2016 sponsored by DST.
- Delivered a guest lecture on **“Cloud Computing”** on 28th March, 2016 at GIT, GITAM University, Visakhapatnam.
- Delivered a guest lecture on **“Recent Trends in Forensic Science - Biometrics/Facial Recognition”** on 2nd July, 2015 at Police Training College, Vizianagaram.
- Delivered a guest lecture on **“Recent Trends in Forensic Science - Biometrics/Facial Recognition”** on 4th June, 2015 at Police Training College, Vizianagaram.

Seminars/Workshops Attended/Co-ordinated

- Attended AICTE Training And Learning (ATAL) Academy Online FDP on **“Computer Science & Biology”** from 2nd – 6th Nov. 2020 conducted by Mangalore University.
- Completed Online **“Orientation Training Programme for MENTORS”** during 3rd to 10th June 2020 organized by NITTTR.
- Attended a “HANDS-ON WORKSHOP on DESIGN THINKING” on 30th June 2020 organized by Brain-O-Vision Solutions India Pvt. Ltd. in association with NYCI.
- Coordinated an **“INTERNATIONAL HANDS-ON WORKSHOP on ANGULAR JS”** on 26th June 2020 organized by Brain-O-Vision Solutions India Pvt. Ltd. in association with National Youth Council of India (NYCI)
- Participated in a Faculty Development Programme (FDP) on **“Simulation of Computer Networks”** organized by Department of ECE, LBRCE, from 22nd – 26th June 2020.
- Participated in the session on **“IEEE Xplore Digital Library: Delivering Research Better than Ever”** Organized by IEEE Education Society Chapter of IEEE Hyderabad Section held on 05th April 2020.
- Attended a National workshop on **“AI for COVID-19 outbreak Prediction Forecasting, Data Analysis & Data Visualization”** during 14th – 15th April 2020 organized by EduxLabs (Esoir Business Solution).
- Organized a workshop on **“AI and Deep Learning”** in collaboration with Bennett University during 20th – 21st July 2019.
- One Month **Research Sabbatical** at Bennett University, Gr. Noida, during 25th Feb 2019 to 21st Mar 2019.
- Organized an FDP on **“Advanced Cryptography”** in association with NIT Warangal and E&ICT Delhi during 13th Nov. 2017 to 18th Nov. 2017.
- Attended a GIAN Course on **“Interactive and Visual Approaches to Data Mining (IVADM17)”** at Indian Statistical Institute, Kolkata during 30th Oct. 2017 to 3rd Nov. 2017.

- Organized and attended an FDP on “**Hadoop and Big Data Analytics**” in association with NIT Warangal and E&ICT Delhi during 14th Nov. 2016 to 19th Nov. 2016.
- Attended an FDP on “**Academic Leadership Program**”, during 21st to 24th July, 2015 at WIPRO Technologies, Bengaluru.
- Organized a workshop on “**Curriculum Design**”, 5th – 6th June, 2015
- Co-ordinated a workshop on **RAISE** during 30th Jan. – 1st Feb. 2014 at MVGR College of Engineering.
- Attended a workshop on **aPAAS Applications** at HICC, Hyderabad during 9th – 10th Dec. 2013 organized by **ITsAP**, Hyderabad.
- Co-ordinated a Faculty development program on **Mobile Application Development** during 8th -12th Jun. 2013 at MVGR College of Engineering.
- Co-ordinated a workshop on **Cloud Computing** during 7th - 9th Oct. 2012 at MVGR College of Engineering.
- Co-ordinated a workshop on **Android** during 3rd - 5th Oct. 2012 at MVGR College of Engineering.
- Attended a National Seminar on **Cloud Computing** during 7th – 8th Sep. 2012 at GITAM University, Visakhapatnam.
- Co-ordinated an **International Workshop on Intelligent Computing and Applications** on 6th -7th Jan. 2012 at MVGR College of Engineering.
- Attended 2-Day **National Workshop on Artificial Intelligence Techniques in Engineering Applications** on 17th – 18th Dec. 2011 at MVGR College of Engineering.
- Attended a **One-Day Research Workshop** on 29th Jan. '10 at IIIT – Hyderabad.
- Attended a Seminar on **Finance Availability for MSMEs** on 28th Jan, '10 organized by CII, Hyd.
- Attended a Two-days' workshop on **Software Testing** at MVGR College of Engineering
- Attended a 12 days' workshop on **Machine Learning Tools and its Applications** at MVGR College of Engineering, Vizianagaram during May, 2009
- Attended a Two-days' workshop on **Machine Learning** at MVGR College of Engineering, Vizianagaram during Feb, 2008
- Attended **IBM-AIX Administration** training program during 17th -20th Apr. 2007 at Silver Lake, Bangalore.
- Attended **Faculty Development Program at INFOSYS**, Hyd. During 26th Nov.'06 to 8th Dec. '06.
- Attended a workshop on **Network Protocols** at GNITS, Hyd. during 17-20 Aug. 2005.

Paper Publications

Conferences:

- K Ravi Kumar & V. Nagesh, “*Neural Networks in Bioinformatics*” in an International conference on Bioinformatics and Diabetes Mellitus, 2006 held at Andhra University, Visakhapatnam.
- V Nagesh, B Sateesh Kumar & K Suri Babu, “An efficient approach for disease diagnosis using bioinformatics”, *National Conference on Information Technology (COIT)*, March, 2008.
- K Suri Babu & V. Nagesh, “Optimal Solution for Image Retrieval using Integrated Region Mapping”, *National Conference on Information Technology (COIT)*, March, 2008.
- Nagesh Vadaparthy, Srinivas Yarramalle, Suresh Varma Penumatsa, “*Unsupervised Medical Image Segmentation on Brain MRI Images using Skew Gaussian Distribution*”, at IEEE-International conference on Recent Trends in Information Technology, 2011, at MIT, Chennai.
- Nagesh Vadaparthy, Srinivas Y., & P Suresh Varma, “*Unsupervised Medical Image Classification based on Skew Gaussian Mixture Model and Hierarchical Clustering Algorithm*” in *Advances in Digital Image Processing and Information Technology*, CCIS of Springer-Links, Volume – 203, pp. 65-74, 2011.

- Nagesh Vadaparathi, Srinivas Y., P Srinivasa Rao & M. Athmaja, “A Novel Clustering Approach Using Hadoop Distributed Environment”, *Computational Intelligence Techniques for Comparative Genomics Springer Briefs in Applied Sciences and Technology* 2015, pp 113-119.
- Vadaparathi N., Surya Tejaswini G., Pallavi N.B.S. (2020) “A Novel Approach for Rice Yield Prediction in Andhra Pradesh”, In: Satapathy S., Raju K., Shyamala K., Krishna D., Favorskaya M. (eds) *Advances in Decision Sciences, Image Processing, Security and Computer Vision. Learning and Analytics in Intelligent Systems*, vol 4. Springer, Cham.

Journals:

- Nagesh Vadaparathi, Srinivas Yarramalle, Suresh Varma P., Murthy P S R, “Segmentation of Brain MRI Images using Skew Gaussian Distribution with K-Means and EM Algorithms”, *Journal of Signal and Image Processing (ISSN: 0976-8882 & E-ISSN: 0976-8890)*, 2(1): 19-25, 2011.
- Nagesh Vadaparathi, Srinivas Yarramalle, Suresh Varma P., Murthy P S R, “Segmentation of Brain MR Images based on Finite Skew Gaussian Mixture Model with Fuzzy C-Means Clustering”, *International Journal of Science and Advanced Technology, (ISSN 2221-8386)*, 1(6):58-63, August 2011.
- Nagesh Vadaparathi, Srinivas Yarramalle, Suresh Varma P., Murthy P S R, “Segmentation of Brain MR Images based on Finite Skew Gaussian Mixture Model with Fuzzy C-Means Clustering and EM Algorithm”, *International Journal of Computer Applications*, 28(10):18-26, August 2011.
- Nagesh Vadaparathi, Srinivas Yarramalle, Suresh Varma P., Murthy P S R, “An Efficient Approach for Medical Image Segmentation Based on Truncated Skew Gaussian Mixture Model Using K-Means Algorithm”, *International Journal of Computer Science and Telecommunications, (ISSN 2047-3338)*, 2(6):79-86, August 2011.
- K Suri Babu, Srinivas Yarramalle, Suresh Varma P., Nagesh Vadaparathi, “Text Dependent and Gender Independent Speaker Recognition Model based on Generalizations of Gamma Distribution”, *International Journal of Computer Applications*, 35(6):1-4, 2011.
- M. Swarna, P Sitharama Raju, Nagesh Vadaparathi, “A Novel approach for Load Balancing in Grid Computing”, *International Journal of Computer Science & Informatics*, 1(2):93-96, 2011.
- Nagesh Vadaparathi, Srinivas Yarramalle, Suresh Varma P., “On Improved Medical Brain MR Image Segmentation Based on Truncated Skew Gaussian Mixture Model using Hierarchical Clustering and EM algorithms”, *International Journal of Advanced Research in Computer Science (ISSN: 0976-5697)*, 2(6) November-December 2011.
- Nagesh Vadaparathi, Srinivas Yarramalle, Suresh Varma P., “An Enhanced Medical Image Segmentation Using Skew Gaussian Mixture Model And Hierarchical Clustering Algorithm”, *International Journal of Multimedia and its Applications*, 4(2):89-99, 2011.
- Nagesh Vadaparathi, Srinivas Yarramalle, Suvarna Kumar G, Vamsee Krishna V., “An Improved Medical Image Segmentation Using Charged Fluid Model”, *International Journal of Engineering Research and Applications*, 2(2):680-682, 2012.
- M. Swarna, P Sitharama Raju, Nagesh Vadaparathi, “Memoir: A History based Prediction for Job Scheduling in Grid Computing”, *International Journal of Computer Applications (0975 – 8887)*, 46(10):113, May 2012.
- P. Srinivasa Rao, Nagesh Vadaparathi, K.Sivarama Krishna, S.Vani Kumari, “Efficient Clustering Approach using Statistical Method of Expectation-Maximization”, *International Journal of Computer Applications (0975 – 8887)*, 4(12), May 2012.
- Anjanadevi B, Nagesh Vadaparathi, Jyothi V, Satyanarayana Reddy G., “A Novel Approach for Privacy Preserving Video sharing And Merging”, *International Journal of Engineering Research and Applications*, 3(1):560-565, 2013.
- T. Pavan Kumar, Nagesh Vadaparathi, A. Manvi, A. Alekhya, “Secure Session based Authentication Schemes”, *International Journal of Engineering Research and Applications*, 3(2):1749-1751, 2013.
- Nagesh Vadaparathi, Srinivas Yarramalle, Suresh Varma P., “An Improved Brain MR Image Segmentation Using Truncated Skew Gaussian Mixture”, *International Journal of Advanced Computer Science and Applications*, 6(7), August 2015.[ESCI]
- Nagesh Vadaparathi, Srinivas Yarramalle, Suresh Varma P., Sitharama Raju P.S.,

“Hierarchical Clustering technique for Medical Image Segmentation Based on Finite Skew Gaussian Mixture Model and EM Algorithm”, *The International Arab Journal of Information Technology*, 15(5), September 2016, ISSN: 1683-3198.[SCI]

- Sujeeth T., Y. Srinivas, Nagesh Vadaparathi, “Emotion Recognition Based on Generalized Gamma Distribution”, *International Journal of Engineering & Technology*, 7 (2.19) (2018) 21-25. [SCOPUS]
- Pavan Kumar Tadiparthi, Srinivas Yarramalle, Nagesh Vadaparathi, “A Novel Approach for Background Subtraction using Generalized Rayleigh Distribution”, (*IJACSA*) *International Journal of Advanced Computer Science and Applications*, Vol. 9, No. 9, pp:506-518, 2018 .[ESCI]
- Sujeeth T., Y. Srinivas, Nagesh Vadaparathi, “Emotion Recognition using Gradient Boosting Machine Algorithm”, *International Journal of Engineering and Advanced Technology (IJEAT)* ISSN: 2249-8958, Volume-8 Issue-5, pp.:515-520, June 2019.[SCOPUS]
- Gutta Srinivas Rao, Atluri Srikrishna, Nagesh Vadaparathi, “Weber’s Law based Camera Response Model for Low Light Image Contrast Enhancement”, *International Journal of Intelligent Engineering and Systems*, Vol.12, No.5, 33-42, 2019.[SCOPUS]
- N. V. Raja Reddy Goluguri, Suganya Devi K, Nagesh Vadaparathi, “Image classifiers and image deep learning classifiers evolved in detection of *Oryza sativa* diseases: survey”, *Artificial Intelligence Review*, June 2020, [SCI].
- Sreenu Ponnada, Nagesh Vadaparathi, Sreerama Murthy Velaga, Srinivas Yarramalle, V Sahitya, “A novel automated approach for brain tumor classification using MR Images”, *Solid State Technology*, Vol. 63 No. 6 (2020) [SCOPUS].
- Sreenu Ponnada, Srinivas Yarramalle, Nagesh Vadaparathi and Surya Prasad Potnuru, “Emotion Recognition Model Based on Dynamic Time Warping and Generalized Gamma Distribution”, *Indian Journal of Natural Sciences*, Vol.63, Mo.12, 2020. [WoS, Scopus].
- Swarna M., N Sudhakar, and Nagesh Vadaparathi, “An effective tropical cyclone intensity estimation model using Convolutional Neural Networks”, *MAUSAM*, 72, 2 (April 2021), pp. 281-290. [WoS, Scopus, IF 0.369]

Communicated:

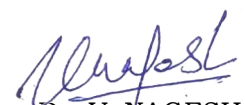
- Nagesh Vadaparathi, Anjanadevi B, Santosh Kumar Ravva, Deepak Garg, “A Novel Approach for Object Detection in Thermal Images Using Convolutional Neural Networks”, *Pattern Analysis and Applications*. [SCI].

Personal Information

Father’s Name : V Krishna Rao
Date of Birth : 17-06-1977
Languages : English, Hindi, Telugu and Marathi
Hobbies : Listening to Music, Gardening

Declaration

I hereby declare that the above information furnished is true to the best of my knowledge.


Dr. V. NAGESH.