

# RESUME

## Personal Information

Name : Dr. L. V. NARASIMHA PRASAD  
Fathers Name : L. Rama Krishnaiah  
Designation : Principal and Professor  
Department : Computer Science and Engineering  
Office Address : Institute of Aeronautical Engineering  
(IARE) Dundigal, Hyderabad - 500042  
Date of Birth : 31 August, 1967  
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## Education details

Examination	Specialization	University	Year of passing	Percentage of Marks/Class
Ph.D	CSE-Data Mining	Sri Venkateswara University, Tirupati, AP	2016	-
M.Tech	Engineering Systems	Dayalbagh Educational Institute (Deemed University), Agra, UP	1996	68.7% (First Class)
B.Tech	Electronics and Communication Engineering	Gandhi Institute of Technology and Management, Visakhapatnam, AP	1991	68% (First Class)
Intermediate	-	Sri Sarvodaya College, Nellore, AP	1985	66.2% (First Class)
SSC	-	St. Josephs English Medium High School, Nellore, AP	1982	66.6 % (First Class)

## Employment details

Duration	Experience	Name and address of Employee
16 Dec 2016 – Till Date	6.5 years	Principal, Institute of Aeronautical Engineering, Dundigal, Hyderabad.
26 Sep 2014 – 15 Dec 2016	2.0 years	Associate Professor of Computer Science and Engineering, Institute of Aeronautical Engineering, Dundigal, Hyderabad.
01 Oct 2007 – 26 Sep 2014	7.0 years	Associate Professor and Head, Dept. of Computer Science & Engineering, Vardhaman College of Engineering College, Shamshabad, Hyderabad.
25 Nov 2001 – 13 July 2007	5.8 years	Associate Professor and Head, Dept. of Computer Science & Engineering, Sree Vidyanikethan Engineering College, A.Rangampet, Tirupati.
22 Dec 2000 – 18 Oct 2001	1.0 year	Associate Professor and Head, Dept. of Computer Science & Engineering, Dr. B V Raju Institute of Technology Narsapur, Medak.

Duration	Experience	Name and address of Employee
28 July 1997 – 05 Sep 2000	3 years	Associate Professor and Head, Dept. of Computer Science & Engineering, Sree Vidyanikethan Engineering College, A.Rangampet, Tirupati.
1 July 1996 – 30 June 1997	1.0 year	Lecturer, Dept. of Computer Science & Engineering, N. B. K. R. Inst. of Science & Technology, Vidyanagar, Nellore.
1 June 1994 – 1 June 1996	2.0 years	Lecturer, Dept. of Computer Science & Engineering, G. Pulla Reddy Engineering College, Kurnool.
12 Aug 1991 – 02 July 1993	2.0 years	Production Engineer / Quality Control Engineer, Vijay Electronics Private Ltd., Hyder Nagar, Hyderabad.
<b>Total Experience: 30 Years</b>		

## Administrative Roles

July 1997 – Sep 2007	Head of Department, Dept. of Computer Science & Engineering, Sree Vidyanikethan Engineering College, A.Rangampet, Tirupati.
Oct 2007 – Sep 2014	Head of Department, Dept. of Computer Science & Engineering, Vardhaman College of Engineering College, Shamshabad, Hyderabad.
16 Dec 2016 – Till Date	<b>6.5 years as Principal</b> , Institute of Aeronautical Engineering, Dundigal, Hyderabad.

## Research Interest

Computational Intelligence, Image Processing, Remote Sensing using Data Mining and Soft Computing techniques for the study of Aerosols, Clouds, Temperature and Water vapour, Aerosol-Cloud Interaction, and Satellite-probed understanding of Aerosols and Clouds.

## Publication / IPR Brief

Number of Research Papers Publications	52
International / National Journals	27
Proceedings in Conferences	25
Patents	04
Text Books	05

## Journal Metrics

h-index	09
i-10 index	08
Total citations	261

## Academic Identity

### Indian Research Information Network System (IRINS)

<https://iare.irins.org/profile/217006>

### Google Scholar Citation:

<https://scholar.google.co.in/citations?user=UdXVKK0AAAAJ&hl=en>

### Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=56286091300>

## List of Publications

### Referred Journals

1. Narasimha Prasad L V, et al. "Hyper Parameter Optimization for Transfer Learning of ShuffleNetV2 with Edge Computing for Casting Defect Detection" . *Journal of Scientific & Industrial Research*, Vol. 82, February 2023, pp. 171-177. DOI: 10.56042/jsir.v82i2.70250 (**Scopus & SCI**).
2. LV Narasimha Prasad et al., "Military Object Detection in Defense using Multi-level Capsule Networks", *Springer Journal of Soft Computing* (2023). Vol. 27, Year 2023, Pages 1045-1059 <https://doi.org/10.1007/s00500-021-05912-0> Impact Factor 3.05. (**Scopus & SCI**)
3. R.R. Rajalaxmi, L.V. Narasimha Prasad, B. Janakiramaiah, C.S. Pavankumar, N. Neelima, and V.E. Sathishkumar. 2022. Optimizing Hyperparameters and Performance Analysis of LSTM Model in Detecting Fake News on Social media. *ACM Trans. Asian Low-Resour. Lang. Inf. Process.* <https://doi.org/10.1145/3511897>
4. Kalyani, G., Janakiramaiah, B., Prasad, L.V.N. et al. Efficient crowd counting model using feature pyramid network and ResNeXt. *Soft Comput*, 25, 10497–10507 (2021). <https://doi.org/10.1007/s00500-021-05993-x> Impact Factor 3.643 (**Scopus & SCI**).
5. Rajendra Prasad, K., Mohammed, M., Narasimha Prasad, L.V. et al. An efficient sampling-based visualization technique for big data clustering with crisp partitions. *Distrib Parallel Databases* 39, 813–832 (2021). <https://doi.org/10.1007/s10619-021-07324-3> Impact Factor 1.5 (**Scopus & SCI**).
6. Dash, S.C.B., Mishra, S.R., Srujan Raju, K. et al. Human action recognition using a hybrid deep learning heuristic. *Soft Comput* 25, 13079–13092 (2021). <https://doi.org/10.1007/s00500-021-06149-7> Impact factor 3.643 (**Scopus & SCI**).
7. LV Narasimha Prasad et al. "Diabetic Retinopathy Detection and Classification using Capsule Networks", *Springer Journal of Complex and Intelligent Systems* (2021). <https://doi.org/10.1007/s40747-021-00318-9> Impact Factor 4.927. (**SCIE**).
8. LV Narasimha Prasad et al., "Rice Leaf Diseases Prediction using Deep Neural Networks with Transfer Learning", *Elsevier journal of Environmental Research*, Volume 198, July 2021, <https://doi.org/10.1016/j.envres.2021.111275> Impact Factor 6.498. (**SCIE & PubMed**)
9. T Pravalika, LV Narasimha Prasad, M Avula, "Text Categorization Based on Inductive Algorithms", *International Journal of Simulation–Systems, Science & Technology*, 22 (1), 2021. DOI 10.5013/IJSSST.a.22.01.01, Impact Factor 0.102.
10. A J Sravani, LV Narasimha Prasad, "An Improved Defocus Blur with Combined Local Binary Patterns and Nearest Neighbour Technique" *International Journal of Simulation–Systems, Science & Technology*, 21 (2), 2021. DOI 10.5013/IJSSST.a.21.02.19, Impact Factor 0.102.
11. LVN Prasad, TV Suresh Kumar, "Formative Assessment Based Course Outcomes and Instructions", *Journal of Fundamental and Applied Sciences*, 10 (6S), 2018. <http://dx.doi.org/10.4314/jfas.v10i6s.14> Impact Factor 1.120.
12. Ramu, G., Reddy, B.E., Jayanthi, A., Narasimha Prasad LV, "Fine-grained access control of EHRs in cloud using CP-ABE with user revocation", *Health and Technology*, Vol.9, Issue no. 3, pp. 487-496, 2019. DOI:10.1007/s12553-019-00304-9, Impact Factor 1.46. (ESCI)
13. Myneni, M.B., Narasimha Prasad LV, Kumar, D.N, "Intelligent hybrid cloud data hosting services with effective cost and high availability", *International Journal of Electrical and Computer Engineering*, Vol.7, Issue no.4, pp.2176-2182, 2017. <http://doi.org/10.11591/ijece.v7i4.pp2176-2182>, Impact Factor 0.277. (**Scopus**)

14. Madhu Bala Myneni, LV Narasimha Prasad, J Sirisha Devi "A Framework For Sementic Level Social Sentiment Analysis Model", *Journal of Theoretical & Applied Information Technology*, Vol. 95, No.16 pp. 4049-4058, 2017, Impact Factor 0.6. (**Scopus**)
15. Madhubala Myneni, LV Narasimha Prasad, G Geetha Reddy, "Automatic Assessment of Floods Impact Using Twitter Data", *International Journal of Civil Engineering and Technology*, Vol.8, Issue No. 5, 1228–1238, 2017, Impact Factor 1.446.
16. Kishor Kumar Reddy, Anisha P, Narasimha Prasad L, "A Novel Approach for Detecting the Bone Cancer and its Stage based on Mean Intensity and Tumor Size", *Recent Researches in Applied Computer Science*, pp.162-171, 2015. Impact Factor 0.7, ISBN: 978-1-61804-307-8
17. GV Ramana, VSS Sudheer, LVN Prasad, "Hydraulic Simulation of Existing Water Distribution System using EPANET at Dire Dawa City, Ethiopia", *Indian Journal of Science and Technology*, Vol. 9, Issue. 1, 2016. DOI: 10.17485/ijst/2016/v9iS1/106859, Impact Factor 0.564. (Web of Science)
18. GVS Raju, C Kishor Kumar Reddy, LV Narasimha Prasad, "Revealing of Earth Quake Magnitude Using Seismic Signals and Wavelet Transforms", *Procedia Computer Science*, Vol. 62, pp.619-627, 2015. <https://doi.org/10.1016/j.procs.2015.08.562> Impact Factor 2.09. (**Scopus**)
19. Alluri Swaroopa, Lakkakula Venkata Narasimha Prasad, "Proposed Alternative System for Existing Traffic Signal System", *International Journal of Architecture and Environmental Engineering*, Vol.9, Issue no.5, 505-508, 2015.
20. Narasimha Prasad L V, Mannava Munirathnam Naidu, Prudhvi Kumar Reddy K, "Model Relating Humidity and Intensity of Satellite Infrared Imagery for Global Precipitation Nowcasting," *International Journal of Hydrology Science and Technology, Inderscience*, 4 (4), pp. 310-335, 2015. <https://doi.org/10.1504/IJHST.2014.068447> Impact Factor 0.68. (**Scopus**)
21. K Shalini, LVN Prasad, "Wavelet Based Soft Thresholding Approach for Color Image Denoising", *International Journal of Advances in Engineering & Technology*, 7 (4), pp. 1233-1237, 2014. Impact Factor 2.76.
22. Narasimha Prasad L V, Munirathnam Naidu Mannava, "CC-SLIQ: Performance Enhancement with 2k Split Points in SLIQ Decision Tree Algorithm," *IAENG International Journal of Computer Science*, Vol. 41, No. 3, pp. 163-173, 2014. Impact Factor 1.547. (**Scopus**)
23. Narasimha Prasad L V et al, "Satellite Derived pH Estimation for Acidity in Precipitation using Water Vapor and Nitrogen Dioxide Imagery," *Procedia Computer Science*, Vol. 62, pp. 637-678, 2015. <https://doi.org/10.1016/j.procs.2015.08.591> Impact Factor 2.09. (**Scopus**)
24. Narasimha Prasad L V, "Segmentation of Lung Cancer Pet Scan Images Using Fuzzy C-Means", *International Journal on Computer Science and Engineering*, 6 (9), 334-337, 2014. Impact Factor 3.802.
25. L V Narasimha Prasad and Nomula Divya "Detection of Ozone Layer Depletion Using Image Processing and Data Mining Technique", *International Journal of Computer Science and Information Technologies*, Volume.5, Issue.5, 2014
26. Kishor Kumar Reddy C, Anisha P R, Narasimha Prasad L V and Vijaya Babu B, "Comparison of Haar, DB, SYM and COIF Wavelet Transforms in the Detection of Earthquakes using Seismic Signals," *International Journal of Applied Engineering Research*, 9 (19), pp. 5439-5452, 2014. Impact Factor 0.602. (**Scopus**)
27. Narasimha Prasad L V, Prudhvi Kumar Reddy K, Naidu M M, "An Efficient Decision Tree Classifier to Predict Precipitation Using Gain Ratio," *International Journal of Soft Computing and Software Engineering*, Vol. 3, No. 3, pp. 674-682, 2013. DOI: 10.7321/jscse.v3.n3.103, Impact Factor 1.177.

## International Conferences

1. Anupama, B., Narasimha PrasadLV, "Recognition of eye retinal diseases with retinal area detector", 22nd *International Computer Science and Engineering Conference, ICSEC, Bangkok, 2018*. DOI: 10.1109/ICSEC.2018.8712641, ISBN:978-1-5386-8164-0 (**Scopus**)
2. DSR Gopu Srilekha,L V Narasimha Prasad,"Identification System for Calculating Carbohydrates By Image Classification Methods", 22nd *International Computer Science and Engineering Conference (ICSEC), 2018*. DOI: 10.1109/ICSEC.2018.8712800, ISBN:978-1-5386-8164-0 (**Scopus**)
3. Kishor Kumar Reddy C, Anisha P R, Narasimha Prasad L V, "A Pragmatic approach for Detecting Liver Cancer using Image Processing and Data Mining Techniques," *IEEE International Conference on Signal Processing and Communication Engineering Systems, 2015*. DOI: 10.1109/SPACES.2015.7058282, ISBN:978-1-4799-6109-2 (**Scopus**)
4. Kishor Kumar Reddy C, Narasimha Prasad L V, Raju G V S, "Revealing of Earthquake Magnitude using Seismic Signals and Wavelet Transforms," *International Conference on Soft Computing and Software Engineering, Mar. 5-6, 2015, California, USA*. <https://doi.org/10.1016/j.procs.2015.08.562> (**Scopus**)
5. Kishor Kumar Reddy C, Narasimha Prasad L V, and Shobha Rani D, "Satellite Derived pH Estimation for Acidity in Precipitation using Water Vapor and Nitrogen Dioxide Imagery," *International Conference on Soft Computing and Software Engineering, Mar. 5-6, 2015, California, USA*. <https://doi.org/10.1016/j.procs.2015.08.591> (**Scopus**)
6. Narasimha Prasad L V, Kishor Kumar Reddy C, Naidu M M, "An Entropy Based Elegant Decision Tree Classifier to Predict Precipitation," *IEEE European Modelling Symposium on Mathematical Modelling and Computer Simulation, Pisa, 2014*, pp. 11-19. DOI: 10.1109/EMS.2014.34, ISBN:978-1-4799-7412-2 (**Scopus**)
7. Kishor Kumar Reddy C, Anisha P R, Narasimha Prasad L V, "Detection of Thunderstorms using data Mining and Image Processing," *IEEE International Conference on the Applications of Digital Information and Web Technologies, Feb. 17-19, 2014, Chennai, India*, pp. 226-231. DOI: 10.1109/ICADIWT.2014.6814672, ISBN:978-1-4799-2259-8 (**Scopus**)
8. Viswanath Kambhampaty, Rohith Gali, Narasimha Prasad L V, "A Short Term Tornado Prediction Model Using Satellite Imagery," *IEEE International Conference on Systems Informatics, Modelling and Simulation, Apr. 29 – May 1, 2014, Sheffield, UK*, pp. 132-138. DOI 10.1109/SIMS.2014.29
9. Narasimha Prasad L V, Kishor Kumar Reddy C, Ramya Thulasi Nirjogi, "A Novel Approach for Seismic Signal Magnitude Detection Using Haar Wavelet," *IEEE International Conference on Intelligent Systems, Modelling and Simulation, Malaysia, 2014*, pp. 324-329. DOI: 10.1109/ISMS.2014.61, ISBN:978-1-4799-3858-2
10. N Prasad, KK Reddy, RT Nirjogi, "A Novel Approach for Seismic Signal Magnitude Detection Using Haar Wavelet", *International Conference on Intelligent Systems, Modelling and Simulation, 324-329, 2014*. DOI: 10.1109/ISMS.2014.61, ISBN:978-1-4799-3858-2
11. MadhuriAvula, Narasimha Prasad L V, Murali Prasad Raja, "Bone Cancer Detection from MRI Scan Imagery Using Mean Pixel Intensity," *IEEE Asia International Conference on Mathematical Modelling and Computer Simulation, 2014*. DOI: 10.1109/AMS.2014.36, ISBN:978-1-4799-6487-1
12. Murali Prasad Raja, Narasimha Prasad L V, Vasavi Krishna Yacham, "Real Time Detection of Hurricanes from Satellite Cloud Imagery Using Haar Wavelet," *World Congress on Engineering and Computer Science, Oct. 22-24, 2014, San Francisco, USA*, pp. 483-489. ISBN: 978-988-19252-0-6

13. Narasimha Prasad L V, Prudhvi Kumar Reddy K, Naidu M M, "An Approach to Prediction of Precipitation Using Gini Index in SLIQ Decision Tree," *International Conference on Intelligent Systems, Modelling & Simulation*, Jan. 29-31, Bangkok, 2013, pp. 56-60. DOI: 10.1109/ISMS.2013.27, ISBN:978-1-4673-5653-4 (**Scopus**)
14. Raj Kumar G, Narasimha Prasad L V, Padmaja B, "Monitoring and Extracting Abnormalities in Land Surface Temperature Images for Automatically Identification of Forest Fires," *IEEE European Modelling Symposium*, Nov. 20-22, 2013, Manchester, UK, pp. 215-219. DOI: 10.1109/EMS.2013.37, ISBN:978-1-4799-2578-0 (**Scopus**)
15. N Prasad, RG Bandi, B Padmaja, "Monitoring and extracting abnormalities in land surface temperature images for automatic identification of forest fires", *2013 European Modelling Symposium*, 215-219. DOI: 10.1109/EMS.2013.37, ISBN:978-1-4799-2578-0 (**Scopus**)
16. LVN Prasad, PS Murthy, CKK Reddy, "Analysis of magnitude for earthquake detection using primary waves and secondary waves", *2013 International Conference on Human Computer Interactions (ICHCI)*, pp 1-6. DOI: 10.1109/ICHCI-IEEE.2013.6887820, ISBN:978-1-4673-5703-6 (**Scopus**)
17. JVR Ravindra, Pandurangaiah Yagateela, Narasimha Prasad, "A Novel Analytical Model for Analysis of Delay and Crosstalk in Non Linear RLC Interconnects for Ultra Low Power Applications", *2013 UKSim 15th International Conference on Computer Modelling and Simulation*, DOI: 10.1109/UKSim.2013.143, ISBN CD: 978-0-7695-4994-1 (**Scopus**)
18. Shankar Murthy P, Narasimha Prasad L V, Kishor Kumar Reddy C, "Analysis of Magnitude for Earthquake Detection using Primary Waves and Secondary Waves," *IEEE International Conference on Human Computer Interactions*, Aug. 23-24, 2013, Chennai, India, pp. 1-6. DOI: 10.1109/ICHCI-IEEE.2013.6887820, ISBN:978-1-4673-5703-6 (**Scopus**)
19. Narasimha Prasad L V, Kishor Kumar Reddy C, Anisha P R, "Remote Sensing of Snow Wrap using Clustering and Wavelet Transform," *International Conference on Human Computer Interactions*, Aug. 23-24, 2013, Chennai, India, pp. 1-8. DOI: 10.1109/AMS.2014.19, ISBN:978-1-4799-6487-1 (**Scopus**)
20. Narasimha Prasad L V, Prudhvi Kumar Reddy K, Naidu M M, "A Novel Decision Tree Approach for the Prediction of Precipitation Using Entropy in SLIQ," *IEEE International Conference on Modelling and Simulation*, Apr. 10-12, 2013, Cambridge, UK, pp. 209-217. DOI: 10.1109/UKSim.2013.74, CD ISBN: 978-0-7695-4994-1 (**Scopus**)
21. JVR Ravindra, Pandurangaiah Yagateela, Narasimha Prasad L V, "A Novel Analytical Model for Analysis of Delay and Crosstalk in Non Linear," *IEEE International Conference on Modelling and Simulation*, Apr. 10-12, 2013, Cambridge, UK, pp. 798-802. DOI: 10.1109/UKSim.2013.143, CD ISBN:978-0-7695-4994-1 (**Scopus**)
22. Narasimha Prasad L V, Krishna Rao Patro E, Naidu M M, "A Gini Index Based Elegant Decision Tree Classifier to Predict Precipitation," *IEEE Asia International Conference on Mathematical/Analytical Modelling and Computer Simulation*, Jul. 23-25, 2013, Hong Kong, pp. 46-54. DOI: 10.1109/AMS.2013.12, ISSN: 2376-1172
23. Narasimha Prasad L V, Naidu M M, "Gain Ratio as Attribute Selection Measure in Elegant Decision Tree to Predict Precipitation," *IEEE EUROSIM Congress on Modelling and Simulation*, 2013, UK, pp. 141-150. DOI: 10.1109/EUROSIM.2013.35, ISBN:978-0-7695-5073-2
24. Anisha Ravinder, Prudhvi Kumar Reddy K, Narasimha Prasad L V, "Detection of Wavelengths for Hail Identification using Satellite Imagery of Clouds," *IEEE International Conference on Computational Intelligence, Communication Systems and Networks*, Spain, 2013, pp. 205-211. DOI: 10.1109/CI-CSYN.2013.14, ISBN:978-1-4799-0587-4 (**Scopus**)

25. Narasimha Prasad L V, Prudhvi Kumar Reddy K, Naidu M M, "Cloud Dynamics Using Fall Velocity and Nucleation Geometry of Clouds," *IEEE International Conference of Chemical Biological and Environmental Engineering*, 2012, Hongkong, Vol 49, pp.85-94. DOI: 10.7763/IPCBE.2012.V49.18.

## Patents

1. Dr. L V Narasimha Prasad, *PbO Nanofibers for Lithium-ion Batteries and its Preparation Method Thereof*, File No:202041057561, date of file:31-12-2021. Date of publication;08-01-2021.
2. Dr. L V Narasimha Prasad, *System and method for generating efficient energy to propel a vehicle*, File No: 201941024539, date of file: 20-06-2019. Date of publication: 28-06-2019.
3. Dr. L V Narasimha Prasad, *Streetlight system and method for generating efficient energy using renewable energy sources*, File No: 201941024532, date of file: 20-06-2019. Date of publication: 28-06-2019.
4. Dr. L V Narasimha Prasad, *Apparatus to Detect Physical Properties and Physical Characteristics of a Cloth*, File No: 201841033886, date of file: 10-09-2018. Date of publication; 21-09-2018.

## Text Books

1. S. Vishwanath Raju, **L V Narasimha Prasad**, K. Venkateshwar Reddy, R. Madana Mohana , Nagalakshmi (2019), "*Programming for Problem Solving*", Seven Hills International Publishers, ISBN:978-93-88096-21-6
2. **L V Narasimha Prasad** E Krishnarao Patro, 2021 "*Data Structures using C*" Spectrum Publishers, ISBN:978-93-82829-66-9
3. L V Narasimha Prasad, 2016 "*Design and Analysis of Algorithms*", Amaravathi Publications, ISBN:978-81-953687-8-5
4. **L V Narasimha Prasad** E Krishnarao Patro, 2021 "*Python Programming*" Spectrum University Press, ISBN:978-93-83640-16-4
5. **L V Narasimha Prasad** E Krishnarao Patro, 2021 " *Programming for Problem Solving*", Seven Hills International Publishers, ISBN:97581-935676-9-2

## Ph.D Scholars under Supervision (Ongoing)

1. Ms. G. Nagamani at J N T University Hyderabad, Hyderabad Reg No: 2002041061
2. Ms. L. Babitha at K L University, Vaddeshwaram Reg No: 2182652
3. Mr. N. Rajasekhar at K L University, Vaddeshwaram Reg No: 17303117

Place: HYDERABAD  
Date: March 22, 2023

Dr. L V Narasimha Prasad