

## CURRICULUM VITAE



**Name & Address:**

Prof.N.B.Venkateswarlu  
D.No.47-15-6/46,  
Opp.TSR Complex,  
Ratna Arcade 4<sup>th</sup> Floor,  
Dwarakanagar,  
Visakhapatnam – 530016

**Date of Birth:**

**15<sup>th</sup> Aug, 1963**

**Passport No:**

M4359847

**Mobile:**

**9849369646**

**E-Mail:**

**venkat\_ritch@yahoo.com**

**Personal Site:**

**[www.ritchcenter.com/nbv](http://www.ritchcenter.com/nbv)**

**Web of Science ResearcherID  
ORCID**

**E-2718-2016**  
**0000-0001-8558-7768**

**Scopus ID:**

**57190443784**

**Educational Qualifications:**

Qualification	University/Institute	Duration	Remarks	Percentage/CGPA
Post Doctoral Fellowship	Univ. Of Leeds, UK	Jan 1993- Jun95	On lean from BITS, Pilani.	Not Applicable
Ph.D	BITS, Pilani	Aug 89- Dec 92	Thesis Title: Some Efficient Serial and Parallel Algorithms for Image Analysis	Satisfactory
M.Tech	IIT, Kanpur	Aug 86- Dec 88	Thesis Title: Study of Some Image Classification algorithms for Remotely Sensed images	8.3

B.Tech	SV University, Tirupathi	Aug 82- Apr 86	Civil Engineering Specialization. Secured University 5 <sup>th</sup> rank.	73.3%
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### Academic/Professional Work Experience:

University/Institute	Duration	Position	Remarks
BITS, Pilani	89-96 (*During 92-95, I went on lean to School of Computer Studies, University of Leeds, UK as a post doctoral fellow)	Asst Lecturer/Lecturer	Joined as Asst. Lecturer, then promoted as Lecturer and then as Asst Professor. I took lean to work as post doctoral fellow at Univ. of Leeds, UK during 92-95. Worked as Asst. <b>Dean, Educational Development Division.</b>
GVP College of Engg., Visakhapatnam	97-2007	Professor	Worked as <b>Head of the department of IT.</b>
AITAM, Tekkali	2007- May2016	Professor	Worked as <b>principal of the Institute.</b> Also served as Dean, R&D.
GVP College of Engg for Women, Visakhapatnam	Jun 2016 to till date	Professor	Working as Professor

### Other Academic Positions Held:

- Board of Studies Member, JNTU, Kakinada, A.P (2006-2009, 2009-2012, 2012-2016, 2016-2019).
- BOS Member, Andhra University, 2013-2016.
- Adjunct Faculty, BITS, Pilani (2007-08).
- Member of NRCFOSS Center at Anna University. A “Free Open Source Software” activity funded by M.I.T, Govt of India..
- Academic Advisory Committee Member, SSIET, Nuzivid,A.P
- Technical Advisor for Roland Institute of Technology, Berhampur, Orissa.

- Visiting Professor for GIET, Gunupur, Orissa for Post Graduate Courses
- Visiting Professor for Sri Vishnu Engg. College, Bhimavaram, A.P
- Board Member to St Joseph's College (Autonomous College), Visakhapatnam.
- Visiting Professor to Andhra University, Visakhapatnam.
- Visiting Professor RVRJC College of Engg. Guntur.
- Visiting Professor GVP Post Graduate College, Visakhapatnam.

#### **Professional Memberships:**

1. National Member of Free Open Source Software (NRCFOSS), Anna University, MIT Campus.
2. Life Member ISTE.
3. Life Member Indian Society of Statistics, Computer and Applications.
4. Advisory Member, New E-Learning Initiation of S Chand Group with German Collaboration, <http://www.ventureskies.com/schandedutech/advisers.html>

#### **Academic Achievements and awards:**

1. Nominated by University Grants Commission, India for Commonwealth Academic Staff fellowships in 2011.
2. Selected by DAAD, Germany for attending/addressing a two week Winter School on "E-Learning in age of Globalization", <http://www.cedis.fu-berlin.de/en/veranstaltungen/winterschool2010/>
3. ISTE Visiting Professorship, 2010-11. <http://www.isteonline.in/?q=node/161>
4. JNMT (UK) Fellow, 92-95.
5. Got 97.66% in Graduate Aptitude Test in Engineering (GATE) which is conducted over whole India. With this score, I have joined at IIT-Kanpur.
6. 5<sup>th</sup> Rank in University during my B.Tech.
7. Got 489<sup>th</sup> position out of 100000 students in Engineering Entrance test after 10+2.
8. College First in 10 + 2.

#### **List of Publications:**

1. NB Venkateswarlu & PSVSK Raju, Three Stage ML Classifier, Pattern Recognition, 23,11, 1991. Impact Factor=3.096
2. NB Venkateswarlu & PSVSK Raju, Winograd's Inequality: A Perspective for some PR problems, Pattern Recognition Letters, 1991. Impact Factor=1.551
3. NB Venakteswarlu & PSVSK Raju, Fast ISODATA clustering Algorithms, Pattern Recognition, 25:3, 1992. Impact Factor=3.096
4. NB Venakteswarlu & PSVSK Raju, Efficient implementation of Max-min clustering applied to remotely sensed imagery, ICORS, 1992.
5. N.B.VENKATESWARLU, P.S.V.S.K. RAJU: "Local Study Centers Location: a Location-Allocation Problem in Informal Education System", EWGLA6, Puerto De La Cruz, Spain, April 25, 1992.
6. NB Venkateswarlu, & PSVSK Raju, A new fast classifier for remotely sensed imagery, IJRS, 14:2, 1993. Impact Factor=1.652
7. NB Venkateswarlu & PSVSK Raju, Effective implementation of maximin clustering for remotely sensed images, IJRS, 14:17, 1993. Impact Factor=1.652

8. NB Venkateswarlu, S. Balaji, PSVSK Raju, & RD Boyle, Some more observations of performance of maximum likelihood classifier applied to remotely sensed imagery, *Pattern Recognition*, 27, 1994. Impact Factor=3.096
9. NB Venkateswarlu, New Dynamic Thresholding algorithm for document binarization, *Electronics Letters*, UK, 1994. Impact Factor=1.068
10. N. B. Venkateswarlu, P. S. V. S. K. Raju, Winograd's method: a perspective for some pattern recognition problems, 105 - 109, Vol 15 , No 2, *Pattern Recognition Letters*, 1994. Impact Factor=1.551.
11. NB Venkateswarlu, Implementation of some image thresholding algorithms of a connection machine –200, *Pattern Recognition letters*, 16, 1995. Impact Factor=1.551
12. Venkateswarlu, N B; Boyle, R D. New segmentation techniques for document image analysis. *Image and Vision Computing*, pp. 573-583. 1995. Impact Factor=1.587.
13. N.B. Venkateswarlu , Various approaches to speed up Mahalanobis distance classifier, *Int. J. Remote Sensing*, v. 16, 3157-3163, 1995. Impact Factor=1.651
15. N.B. Venkateswarlu, A fast maximum likelihood classifier, *Int. J of Remote Sensing*, Vol. 16, No. 2, pp. 313-320, 1995. Impact Factor=1.651

#### **Recent Publications:**

16. N. Tirumal Rao, EV Prasad, NB Venkateswarlu, Parallelization of Data Mining Algorithms along with Memory Mapped Files on Dual-Core processors, Accepted in *IJCSNS*, 2009. Impact Factor=0.283
17. Hazarath Munaga (MHM Krishna Prasad), J. V. R. Murthy and N. B. Venkateswarlu, "A Novel Trajectory clustering technique for selecting cluster heads in Wireless sensor networks," *International Journal on Recent Trends in Engineering*, ISSN 1797-9617, ISBN 978-952-5726-04-6 (Print); ISBN 978-952-5726-05-3 (CD-ROM), Issue 1, vol. 1, pp. 357 – 361, May 2009.<http://www.academypublisher.com/ijrte/vol01/no01/ijrte0101357361.pdf>.
18. Hazarath Munaga (MHM Krishna Prasad), J. V. R. Murthy and N. B. Venkateswarlu, "A Fault Tolerant Trajectory Clustering (FTTC) for selecting cluster heads in Wireless Sensor Networks," in the *International Journal of Computational Intelligence Research (IJCIR)*, ISSN: 0973-1873.
19. Hazarath Munaga (MHM Krishna Prasad), J. V. R. Murthy and N. B. Venkateswarlu, "Enhanced User Authentication through Trajectory Clustering," in the *International Journal on Recent Trends in Engineering*, ISSN 1797-9617, ISBN 978-952-5726-04-6 (Print); ISBN 978-952-5726-05-3 (CD-ROM).
20. Hazarath Munaga (MHM Krishna Prasad), J. V. R. Murthy and N. B. Venkateswarlu, "A Hybrid Trajectory Clustering for Predicting User Navigation," in the *International Journal on Recent Trends in Engineering*, ISSN 1797-9617, ISBN 978-952-5726-04-6 (Print); ISBN 978-952-5726-05-3 (CD-ROM).
21. S.N.Tirumala Rao, E.V Prasad, N.B.Venkateswarlu and G.Samba Siva Rao "Performance Evaluation of Memory Mapped Files on Dual Core Processors Using Large Data Mining Data Sets" *International Journal Of Systems And Technologies* Volume: 2, Number: 1, PP 137-148 2009.

22. S.N. Tirumal Rao, E.V. Prasad and N.B. Venkateswarlu “Performance Evaluation of Memory Mapped Files with Data Mining Algorithms” International Journal of Information Technology & Knowledge Management Vol-II, Issue-II PP.365-370 of Dec. 2009.
23. S.N.Tirumala Rao, E.V Prasad And N.B.Venkateswarlu “A Critical Performance Study of Memory Mapping on Multi-Core Processors: An Experiment with k-means Algorithm with Large Data Mining Data Sets”, IJFCA journal (International Journal on Futuristic Computer Applications), number 9, March 2010. [www.ijcaonline.org/archives/number9/211-358](http://www.ijcaonline.org/archives/number9/211-358).
24. B.V. Ramana, Prasada Babu, NB Venkateswarlu, A Critical Study of Selected Classification Algorithms for Liver Disease Diagnosis, IJDMS, Vol 3, No 2, pp 101-114, 2011. Impact Factor=0.3580,Citations=47
25. B.V. Ramana, Prasada Babu, NB Venkateswarlu, A Critical Evaluation of Bayesian Classifier for Liver Disease Diagnosis using bagging and boosting, IJEST, Vol 3, No 4: pp 3422-3426, 2011. Impact Factor=0.3418, Citations=12
26. D.J. Nagendra Kumar, JVR Murthy, NB Venkateswarlu, Some Studies of Expectation Maximization Clustering Algorithm to enhance Performance, Accepted but to come in print, IJES, 2011.
27. Ch. Ramesh, Dr.N.B. Venkateswarlu & Dr. J.V.R. Murthy, “FAST DCT ALGORITHM USING WINOGRAD’S METHOD” Accepted for publication in International Journal of Electronics and Communication Engineering and Technology (IJECET), Volume 3 Issue 1 (January- June 2012)
28. B.V. Ramana, Prasada Babu, NB Venkateswarlu, “ A critical Comparative Study of Liver Patients from India: An Exploratory Analysis”, International Journal of Computer Science, May 2012 (Accepted yet to appear in print).
29. Ch. Ramesh, Dr.N.B. Venkateswarlu and Dr. J.V.R. Murthy, “A Novel K-Means Based JPEG Algorithm for Still Image Compression”, International Journal of Computer Engineering and Technology (IJCET), 2012.
30. D.J. Nagendra Kumar, JVR Murthy, NB Venkateswarlu, A Critical Study of Efficient Multi-core EM Clustering, Accepted for publication in IJCA, April, 2012.
31. Ch. Ramesh, NB Venkateswarlu, JVR Murthy, A New Classification Performance aware Multi-Sensor, Multi-resolution satellite image compression technique, GJCST Volume 13 Issue 7 Version 1.0, 2013
32. Ch. Ramesh, NB Venkateswarlu, JVR Murthy, A Critical Performance Evaluation of Classification Methods with Modified JPEG Decompressed Multiband Images, Global Journal of Researches in Engineering, Volume 13, Issue 16 Version 1.0 December 2013.
33. Improved Hybridization of Expectation-Maximization and K-Means Algorithms for Better Clustering Performance, D. Raj Kishore and N.B. Venkateswarlu, Under revision for IJCAI.
34. Hybridization of Expectation-Maximization and K-Means Algorithms for Better Clustering Performance, D. Raj Kishore and N.B. Venkateswarlu, submitted to Journal “Cybernetics and Information Technology”.
35. B.V. Ramana, Prasada Babu, NB Venkateswarlu, A critical evaluation of Bayesian classifier for liver diagnosis using bagging and boosting Methods (IJEST) , Impact Factor = 3.14, Citations=8.

36. D. Raja Kishor and N.B. Venkateswarlu (2016), Hybridization of Expectation-Maximization and K-Means Algorithms for Better Clustering Performance, Cybernetics and Information Technologies Vol. 16, No. 2, pp. 16-34, DOI: 10.1515/cait-2016-0017.
37. Duggirala Raja Kishor and N.B. Venkateswarlu (2016), A Novel Hybridization of Expectation-Maximization and K-Means Algorithms for Better Clustering Performance, International Journal of Ambient Computing and Intelligence (IJACI). Vol. 7, No. 2, pp. 49-73, DOI: 10.4018/IJACI.2016070103.
38. D. Raja Kishor and N.B. Venkateswarlu (2016), A Behavioral Study of Some Widely Employed Partitional and Model-Based Clustering Algorithms and their Hybridizations, Paper presented at 1<sup>st</sup> International Conference on Data Engineering and Communication Technology (ICDECT-2016), Pune, India.

### **Conference Publications:**

1. S.N.Tirumala Rao, E.V Prasad, N.B.Venkateswarlu and B.G.Reddy “Significant Performance and Evaluation of Memory mapped files with clustering Algorithms” IADIS, International Conference on Applied Computing, ALGARVE, Portugal, pages: 455-459, April 2008.
2. S.N.Tirumala Rao, E.V Prasad, N.B.Venkateswarlu and G.Samba Siva Rao “Performance Evaluation of Memory Mapped Files on Dual Core Processors Using Large Data Mining Data Sets” ICWS-2009, International Conference on Web Sciences, School of Computing Koneru lakshmaiah College of Engineering Green Fields Vaddeswaram, Guntur-522502, A.P,India, pages: 101-108, 10-11 Jan 2009.
3. S.N.Tirumala Rao, E.V Prasad And N.B.Venkateswarlu “Parallelization Of Data Mining Algorithms Along With Memory Mapped Files On Dual-Core Processors”, IEEE International Advanced Computing Conference, Patiala, India, pages: 2779-2785, 6-7 March 2009.
4. S.N.Tirumala Rao, E.V Prasad And N.B.Venkateswarlu “A Scalable k-means Clustering Algorithm on Multi-Core Architecture” IEEE International Conference On Methods And Models In Computer Science.(ICM2CS-09). December 14-15 2009.  
[www.jnu.ac.in](http://www.jnu.ac.in) or  
[http://ieeexplore.ieee.org/xpl/freeaba\\_all.jsp?=&arnumber=5397976](http://ieeexplore.ieee.org/xpl/freeaba_all.jsp?=&arnumber=5397976)
5. S.N.Tirumala Rao, E.V Prasad And N.B.Venkateswarlu “A Critical Performance Study of Memory Mapping on Multi-Core Processors: An Experiment with k-means Algorithm with Large Data Mining Data Sets” , International Conference On Futuristic Computer Applications, IISc Bangalore, India, March, 2010.  
[www.icfca.org](http://www.icfca.org)
6. N.B. Venkateswarlu, Teaching Essential Programming Fundamentals using Trace Oriented E-Learning Modules:An experiment with Indian Students, DAAD Winter School E-Learning in the age of Globalization, CeDiS, Freie Universtat, Berlin, Nov 22-30, 2010.
7. Computation Reduction of Expectation Maximization Clustering Using Winograd's Method, D. J. Nagendra Kumar, J. V. R. Murthy and N. B. Venkateswarlu, ICECT-2012, Kanyakumari, 6-8 April 2012.
8. A Behavioral Study of Some Widely Employed Partitional and Model-Based Clustering Algorithms and their Hybridization, D. Raj Kishore and N.B.

Venkateswarlu, Springer Conference ICDECT 2016 (<http://www.icdect.com/>), Pune, 10-11, March 2016.

**Technical Reports submitted:**

1. Some Further Results of Three Stage ML Classification Applied to Remotely Sensed Images, by N B Venkateswarlu, S. Balaji, P S V S K Raju & R D Boyle Division of Artificial Intelligence March 1994 1. Available at: [ftp://agora.leeds.ac.uk/scs/doc/reports/1994/94\\_9.ps.Z](ftp://agora.leeds.ac.uk/scs/doc/reports/1994/94_9.ps.Z), 18 May 1994 University of Leeds SCHOOL OF COMPUTER STUDIES RESEARCH REPORT SERIES Report 93.9.
2. A New Low Complexity Distance and Its use For Vector Quantization of Images by N B Venkateswarlu & R D Boyle Division of Artificial Intelligence March 1994. Available at: [ftp://agora.leeds.ac.uk/scs/doc/reports/1994/94\\_10.ps.Z](ftp://agora.leeds.ac.uk/scs/doc/reports/1994/94_10.ps.Z), 18 May 1994, University of Leeds SCHOOL OF COMPUTER STUDIES RESEARCH REPORT SERIES Report 94.10
3. Fast K-MEANS Clustering Algorithms by M. B. Al-Daoud, N. B. Venkateswarlu & S. A. Roberts Division of Operational Research and Information Systems June 1995, University of Leeds, SCHOOL OF COMPUTER STUDIES RESEARCH REPORT SERIES Report 95.18.

**List of data sets developed and made available to the public:**

Liver patients data set which is collected for my doctoral students is made available at University of California Machine Learning (UCML) repository. <http://archive.ics.uci.edu/ml/datasets/ILPD+%28Indian+Liver+Patient+Dataset%29>

**Editorial/Review services:**

I have worked as reviewer to reputed International Journals and Conferences such as:

Pattern Recognition

Pattern Recognition Letters

International Journal of Remote Sensing

Computer Vision and Image Processing

IEE Journals

ICDM Conference

**List of Conferences Attended:**

1. Winter School on E-Learning in the era of Globalization, CeDis, Freie Universitat, Berlin, Nov 22 – Dec 30, 2010.
2. Online Educa, Berlin, Dec 1-3, 2010
3. BMVC Conference, U of Surrey, UK, Nov, 1994.

**Books Authored:**

1. Advanced Unix Programming, BS Publishers, Hyderabad, 2005. Second Revision, 2014.
2. Unix and Windows NT, BS Publishers, Hyderabad, 2005.
3. Introduction to Linux: Installation and Programming, BS Publishers, Hyderabad, March, 2006.
4. Linux Programming Tools Unveiled, BS Publ, Hyderabad, Feb, 2007.

5. Unix/Linux F.A.Q: With Tips to face Interviews, BS Publishers, Hyderabad, Aug, 2007.
6. Lecture Notes for AICTE Sponsored Seminar on “Frontiers in Classification Algorithms for Data Mining”, Dec 26-28, 2008 AITAM, Tekkali. Same is being revised as a book.
7. Unix & Shell Programming, , Reem Publ, New Delhi. 2009
8. C and Data Structures, Aug, 2009, S Chand & Co, New Delhi.
9. Learn Object Oriented Programming Using Java, S Chand, 2010.
10. C# Unveiled for beginners, Reem Publ, New Delhi, (In Press).
11. Essential Computer and IT Fundamentals for Engineering and Science Students, S Chand, 2012.
12. Lecture notes on Advanced Unix Programming, School of Distance and Continuing Education, JNTU, Hyderabad, 2011.
13. CSE & IT For GATE, McGraw Hill, New Delhi, Sep, 2013 (Went for Second reprint in 2015).
14. A bridge book for C language with Telugu Explanations, N.B. Venkateswarlu, NBV Publ, Visakhapatnam Jan 2014.
15. 101 Programming Problems Solved: Join us to win Informatics Olympiad, N.B.Venkateswarlu, Dec 2014 (Kindle edition: <http://www.amazon.com/dp/B00RFDZT2E> )
16. 101 Programming puzzle problems solved: High School Junior to Seniors Join us to win Informatics Olympiad, N.B.Venkateswarlu, Feb, 2015. (Kindle edition: <http://www.amazon.com/dp/B00T1OK42K> )
17. C Programming, S Chand, 2016. ISBN: 9789352533565 <https://www.schandpublishing.com/books/tech-professional/computer-science/c-programming/9789352533565/#.XT18wegzZPY>
18. 2<sup>8</sup> String based programming puzzles solved, N.B.Venkateswarlu,, Jan, 2016 (Kindle edition: <http://www.amazon.in/gp/product/B01AWA0AGQ?%2AVersion%2A=1&%2Aentries%2A=0> )
19. High School Programming Puzzles Solved using Python, N.B. Venkateswarlu, Nov, 2016, <https://www.amazon.in/dp/B01N8P2FCZ>
20. A first level book to expedite statistics through R: An inquisitive approach, N.B.Venkateswarlu, Apr, 2018 [https://www.amazon.in/First-Level-expedite-Statistics-through-ebook/dp/B07BZVG9DN/ref=sr\\_1\\_7?s=books&ie=UTF8&qid=1532499939&sr=1-7&refinements=p\\_27%3AN.+B.+Venkateswarlu](https://www.amazon.in/First-Level-expedite-Statistics-through-ebook/dp/B07BZVG9DN/ref=sr_1_7?s=books&ie=UTF8&qid=1532499939&sr=1-7&refinements=p_27%3AN.+B.+Venkateswarlu)
21. Python for Novices, N.B.Venkateswarlu, Jul, 2018, [https://www.amazon.in/Python-novices-N-B-Venkateswarlu-ebook/dp/B07CVB6W2D/ref=sr\\_1\\_9?s=books&ie=UTF8&qid=1532499939&sr=1-9&refinements=p\\_27%3AN.+B.+Venkateswarlu](https://www.amazon.in/Python-novices-N-B-Venkateswarlu-ebook/dp/B07CVB6W2D/ref=sr_1_9?s=books&ie=UTF8&qid=1532499939&sr=1-9&refinements=p_27%3AN.+B.+Venkateswarlu)
22. Matrix and pattern based programming puzzles explored fathomlessly, Amazon Kindle Edition, [https://www.amazon.co.uk/School-Programming-Puzzles-solved-Python-ebook/dp/B01N8P2FCZ/ref=sr\\_1\\_1/261-6208710-5530138?s=digital-text&ie=UTF8&qid=1505487894&sr=1-1](https://www.amazon.co.uk/School-Programming-Puzzles-solved-Python-ebook/dp/B01N8P2FCZ/ref=sr_1_1/261-6208710-5530138?s=digital-text&ie=UTF8&qid=1505487894&sr=1-1)





<https://tinyurl.com/NBVALGORITHMICCOMPLEXITYBOOK> and  
<https://www.amazon.in/dp/B09CGFDC9F>

40. My class notes on Algorithmic Complexity, now a refresher for craving teachers and knowledge greedy students: A must primer for GATE(India), Adv. GRE appearing students. <https://www.amazon.com/dp/B09DJCW78T> This is recently selected by Amazon for their Kindle Deal.
41. My notes on Dynamic Programming and engineering applications for my fellow faculty to let them say goodbye to their “Let us skip DP” attitude and tame their ... competitions, <https://www.amazon.in/Programming-engineering-applications-competitions-Programming-ebook/dp/B09KTN2MJ7/>

### **Books Manuscripts under development:**

1. Simple to Complex grid and board programming puzzles solved: Join us to win ICPC (Conceptualized for Kindle)
2. Illustrated Geometry based programming puzzles and solutions (Conceptualized for Kindle)
3. Programming Puzzles illustrated in Telugu (Under development)
4. Essential Mathematics for Preparing Programming Competitions (Under development)
5. A primer on Dynamic Programming with Programming Puzzles solved
6. Data Mining Unveiled for Beginners, Manuscript under development for Pearson.
7. Embedded Systems Design and Development: A Practical Treatise using Linux Examples, BS Publishers, Hyderabad, (conceived).
8. Linux for Scientific Applications, Manuscript Conceived for Prentice Hall, New Delhi.

### **E-Learning Courses developed:**

1. Learn C Language in Multi-Media Way, Available for Public freely at <http://gvpcew.in/moodle> .
2. Data Structures Through C, Available for Public freely at <http://gvpcew.in/moodle>
3. Unix and Shell Programming, Available for Public freely at <http://gvpcew.in/moodle> .
4. Learn Object Oriented Programming Using C++, Available for Public freely at <http://gvpcew.in/moodle> .
5. Developed Video Lessons for the sake of faculty members on the use of Weka, a data mining tool.
6. Python first level course is developed and is available at <http://gvpcew.in/nbv>

### **Book Reviews:**

1. TCP/IP Protocol Suite, Forozoun, 6<sup>th</sup> Edition, McGraw Hill, New Delhi, 2010. See my blog <http://garynuttos.blogspot.com/2011/01/review-on-book-tcpip-protocol-suite-4th.html>
2. Operating Systems, 3<sup>rd</sup> Edition, Gary Nutt, ISBN 9788131723593, Pearson Publ, 2010. See my blog at <http://garynuttos.blogspot.com/2011/01/review-on-book-operating-systems-by.html>.

3. Unix Programming and Compiler Design Lab, D. Sunitha, Submitted to BS Publishers, Hyderabad. <http://garynuttos.blogspot.com/2011/01/review-on-proposed-lab-manual-on-unix.html>

4. Multi-core programming: Increasing performance through Software Multi-threading, Shameem Akhter and Jason Roberts, Intel Press, Via BPB Pub, New Delhi. <http://garynuttos.blogspot.com/2011/01/review-on-multi-core-programming.html>

**Comments/Reviews of My Books:**

1. <http://sureshponduru.blogspot.com/2009/10/review-on-candds-by-nb-venkateswarlu.html>

**No of DST/MHRD Projects Handled as co-investigator:**

<b>S.No</b>	<b>Title</b>	<b>Agency</b>	<b>Period</b>	<b>Grant/Amount Mobilized (Rs Lakhs)</b>
<b>1</b>	Development and application of spatial decision support system using GIS, GPS and Remote sensing for the people living in the Tribal regions of Pedda Kedari Reserved Forest: a case Study	DST- NRDMS	<b>2 Years</b>	14,92,135
<b>2</b>	A critical study for sustainable development of ground water resources using Remote Sensing and GIS technology: a case study of Sarada Gadda watershed , Rajam, north coastal Andhra Pradesh	DST- NRDMS	<b>3 years</b>	10,85,000

Two laboratory projects each 25 Lakhs at BITS, Pilani during 88-96. One is related to Robotics and the other is related to Image Processing.

### **Academic Supervision and Mentoring:**

**No of PhD theses Guided:** 6.

1. **M.H.M. Krishna Prasad**, Trajectory Clustering Algorithm: A Data Mining Solution to Industrial Problems – Critical Analysis and Evaluation, JNTU Hyderabad, 2009.
2. **S.N. Tirumala Rao**, Critical Evaluation of Memory Mapped Data Mining Algorithms on Single-Core and Multi-core Processors, JNTUK, Kakinada, June, 2010.
3. **D.J. Nagendra Kumar**, Computational Improvements in Expectation Maximization algorithm for data clustering, JNTUH, 2013.
4. **Ramana Bendi**, **A Critical Study of Classification Algorithms for Automatic Diagnosis of Liver Diseases: A Case Study on Indian Hepatobiliary Data**, Mar, 2014.
5. **Chappa Ramesh**, A critical study of image compression: A pattern classification perspective, JNTUH, 2015.
6. **D Raja Kishore**, Intelligent Hybridization of Expectation Maximization, K-Means and Fuzzy C-Means Algorithms, JNTUH, 2018.

**No of M.Tech Theses Guided:** More than 100.

**No of M.Phil Students Guided:** One.

**No of B.Tech Projects Guided:** More than 200.

### **List of Referees Names & addresses:**

Prof Roger D Boyle

Email: [rogerdboyle@gmail.com](mailto:rogerdboyle@gmail.com), [roger@scs.leeds.ac.uk](mailto:roger@scs.leeds.ac.uk), [roger@comp.leeds.ac.uk](mailto:roger@comp.leeds.ac.uk)

Tel: (44)-113-3435487

Address: 83 Rhoshendre, Waunfawr, Aberystwyth SY23 3PX, 01970 639229

Prof. BR Rama Mohan Gandhi

Email: [brgandhi@yahoo.com](mailto:brgandhi@yahoo.com)

Tel: 918912747680

Address: 303 C, KAILASH KUNJ, PEDAWALTAIR, VISAKHAPATNAM, AP, INDIA

### **Courses Taught at Graduate & Under Graduate Level:**

Pattern Recognition, Image processing, Introduction to Robotics, Computer Networks, Operating Systems, Distributed Operating Systems, Data Communication, Numerical

Analysis, Compiler Construction, Neural Networks, Computer Graphics, Database Management Systems, C Prog, Object Oriented Prog. Systems, Data Structures, Unix Internals, Unix & Shell Programming, TCP/IP Prog, Information Technology, Remote Sensing, AI, Advanced Computer Architecture, Design and Analysis of Algorithms, Graph Theory, Programming in C#.NET, Programming in PHP,

### **Corporate Training Experience:**

I did train many management trainees of Visakhapatnam Steel Plant on Programming Languages, etc.,. In fact, some of them were doing their DOEACC C level course which is equivalent to Masters in Computer Science.

I have trained scientists of Naval Scientific Technological Laboratories, NSTL, in C, C ++, and Visual C ++.

### **Achievements of My Students:**

1. Ms. Stephine Fountain won Softwright Innovation Award for her OCR system developed under my guidance in 1995.
2. Ms. Kiranmayi Won 1<sup>st</sup> prize at National Level Examination of IGNOU in 2004 for her outstanding performance in Computer Architecture. I am a tutor for this course.
3. Ms. Aruna Padma won best MCA thesis at IGNOU during 2001-2002.
4. Mr. Mohan, Mr. Anjaneyulu, Mr. Sarma won best prize for their outstanding performance in C language and prizes are conferred by Mr. Y. Kanetkar, a famous book writer on Computers in India.
5. Some students I have trained for DOEACC 'A' level after their 10+2. Three of them, Mr. Sanjay, Mr. Santhosh, Mr. Abdul are working in Google for more than 15 years.
6. Mr. Dara N Raju got Infosys Internal Award, 2005. [raju\\_dhara@infosys.com](mailto:raju_dhara@infosys.com)
7. Mr. Vikram Reddy got Infosys Internal Award, 2007.
8. Mr. Nanda got Rashtriya Sadbhavana Award. [nandadps9@yahoo.co.in](mailto:nandadps9@yahoo.co.in) .
9. Dr. Janardhan is currently working as Asst. Professor at Washington State University, Pullman, USA.

### **A Glimpse of My Social Activities During 1996 to 2010:**

Soon after my return from U of Leeds, I have conceptualized to develop an education center in Visakhapatnam which is formally initiated in 1996.

I have started lecturing to masses with nominal fee towards organizations incidental expenses. During 1996, awareness on computers was very meager in India. Thus, sooner I am able to extend my services to good number of students.

In fact, during the last 15 years period I have trained more than **50000, fifty thousand** students in and around Visakhapatnam, India. More than few thousands are placed in MNCs, do visit my site [www.ritchcenter.com](http://www.ritchcenter.com).

At current working as a volunteering Professor to European Union students since Aug 2018 through skype.

The following are few snaps my GVPCEW student interaction with EUAP students, Jan 5<sup>th</sup>, 2019.



**EU Aid Volunteers**

We Care, We Act



## EU Aid Volunteers

An initiative of the European Union

### CERTIFICATE FOR ONLINE VOLUNTEERING

---

**Nagasuri Venkateswarlu**

Participated as an online volunteer and completed successfully the following assignment

**Online Volunteer: Trainer on R Programming for GVC Lebanon**

With an average number of working hours per week: 1 to 5

for the organisation

**Gruppo di Volontariato Civile (GVC) - Lebanon**

#### About EU Aid Volunteers

The EU Aid Volunteers initiative enables European citizens to volunteer where their help is needed most, supporting communities in disaster-affected countries outside the EU to better prepare and build resilience for when disaster strikes. The initiative also supports the humanitarian sector by helping organisations to build their ability to respond to crisis through capacity building activities. Volunteer deployments for European citizens and long-term residents aged 18 and over in countries affected by disaster. The initiative also creates opportunities for online volunteering, open to volunteers of any nationality.

My recent FREE E BOOKS and their statistics

5 Links	Clicks all time
NOV 2 <input type="checkbox"/> Bebras Book with Translation in Telugu <a href="https://bit.ly/BEBRASTELUGUBOOK">bit.ly/BEBRASTELUGUBOOK</a>	51 all time
SEP 7 <input type="checkbox"/> ICPC Orientation <a href="https://bit.ly/NBVICPC">bit.ly/NBVICPC</a>	79 all time
AUG 19 <input type="checkbox"/> NBVTALKONWhat is engineering.pptx - Google <a href="https://bit.ly/33NBVWIE">bit.ly/33NBVWIE</a>	411 all time
JUL 23 <input type="checkbox"/> AfresgmansBeaconforComputerScienceMillennials... <a href="https://bit.ly/30OdAub">bit.ly/30OdAub</a>	1,771 all time
JUL 20 <input type="checkbox"/> C Tutor - Visualize C code execution to learn C... <a href="https://bit.ly/2XV36w7">bit.ly/2XV36w7</a>	30 all time

## My recent free EBOOKS

CREATED JUL 23, 6:05 AM | Nagesuri Bala Venkateswarlu

AfresgmansBeaconforComputerScienceMillennials.pdf - Google Drive

[https://drive.google.com/file/d/1NBiWPZEemVTdZWVWwqudTeAoa6OgJFkqF/view?fbclid=IwAR0BwyIR8QAJXQ9\\_PnxHq4PJ\\_BvriE8efGBcP-L\\_rSQDkUpF-4AOA6sntnl](https://drive.google.com/file/d/1NBiWPZEemVTdZWVWwqudTeAoa6OgJFkqF/view?fbclid=IwAR0BwyIR8QAJXQ9_PnxHq4PJ_BvriE8efGBcP-L_rSQDkUpF-4AOA6sntnl)

[bit.ly/30OdAub](https://bit.ly/30OdAub) COPY SHARE EDIT

1,771 all time  
TOTAL CLICKS



DATA IN UTC

Third consecutive semester I will be volunteering to students of EUAP on Statistics and R.



## Terms of Reference on R Training for GVC Data Analysts

### Trainer:

Professor Nagasuri Bala Venkateswarlu

### Trainees:

- Leire Fernandez
- Pedro Arriaza
- Liselot Kattermölle
- Bara'a
- Ayah Bsely

### Organization:

- One training session every Saturday at:

GMT	IST	Palestine/ Lebanon	Tunis	Peru
10:30	16:00	12:30	11:30	5:30

- Duration of each session of 2h.
- Starts: November 23 2019
- Ends: May 2, 2020 (estimated)
- One seminar on Wednesday (time TBD) to solve issues of special interest that might have emerge during the week (optional).



**Leire Fernández Rollán**

**EUAV - Data Analyst**

**WeWorld-GVC**

Address: Urb Los Ingenieros D-10, Abancay, Perú

Tel: (+51) 925 929 306 // (+34) 601 436 217

Skype: leire.fernandez.rollan



---

**Bara'a Amarneh**

Social Coordinator - South

Palestinian Territory

Mobile: 00972 594 211857

Tele/fax: 00972 (0)2 290396; 00972 2290396

Skype: live:29de59ac8e6cf844

<https://www.weworld-gvc.it>

### PRIVACY NOTICE

The information in this message and any attachment may be confidential and are intended for the recipient only. If you have received this e-mail in error please delete and inform the sender.



---

**Pedro Enrique Arriaza**

National Research and Data Specialist

Palestinian Territory

Mobile: 00972 594 211489;

Tele/fax: 00972 2 6289235

Skype: pedro.enrique.arriaza

<https://www.weworld-gvc.it>

### PRIVACY NOTICE

The information in this message and any attachment may be confidential

Also, I am involved in translating BEBRAS Challenge tasks to Telugu for BEBRAS 2019.

During the last one year and more (COVID time), I did organize classes for small kids on SCRATCH language.

One of my recent activities at my personnel level.

## ***A Free Bootcamp in memory of beloved***

***A humble tribute to my inspirers, my colleagues, my friends, my beloved students, who passed away in the recent past.***



ProfNori



DRLSSREDDY



DRDSVPRASADP  
RINICIPALBVC



DRGSNMurthy



Rameshburidi



DrSubbaihVRS



RajeshBVC



Suresh



krishnachaitanya



Sridhar

***Please do join me in paying homage to them. That is the fee for this bootcamp***

***What else an old teacher can do except sharing his little knowledge to the generations? I am currently teaching Data Structures using an innovation tool at my college. I love to introduce the same in my deliberations class on: 13th Sun 9AM-12Noon.***

***Tentative meeting link: <http://meet.google.com/gsa-piwk-qhz>***

***Please do fill the following form for joining me: <https://forms.gle/2vARSLxs87GjJJP9>***

Feed back on using Visualization Tool

Yahoo/Inbox

**Dr GRS Murthy** <murthy.grs@gmail.com>

To:

Prof. N. B. Venkateswarlu, AITAM, Tekkali, INDIA

Sun, 13 Jun at 11:51 am

Respected sir,

Thank you very much for organizing a boot camp in memory of our beloved Teaching faculty whom we lost due to covid-19.

The Visualization tool is no doubt useful to us in explaining the programming concepts to students. Earlier I used to explain these concepts by Tracing (F7) in turbo c to some extent.

This tool is more advanced and I feel it is more useful for students also to understand the concepts.

Thanks alot sir for a three hours fruitful session.

With regards,

**Dr.G.R.S.Murthy**  
**M.Tech.,Ph.D.**

Associate Professor  
Department of Computer Science and Engineering  
Engineering and Technology Program  
Gayatri Vidya Parishad College for Degree and PG Courses(A),  
Accredited by NBA and NAAC,  
Rushikonda, Visakhapatnam-45.

Mob: 09052436242

---

**Mr Gandhi Netaji VIEW** <netaji10700@view.edu.in>

To:

Prof. N. B. Venkateswarlu

Sun, 13 Jun at 4:26 pm

Good evening sir today bootcamp 3 hours session is very interesting sir especially Data Structures (linked list programs ) using Python tutor tool this session is help for all faculty (for explanation) and students (for understanding) also sir. Nowadays Teachers (young teacher s) including me your valuable guidance is very important sir with your guidance we can do better coding(logic) thank you sir today I learnt simple logic to implement Single Linked list and double linked list( both static and dynamic) using Python tutor simulation tool thank you very much Guruvugaru ☺☺☺ Sir if u possible please send links ok Your Books ☺ and today code links I will suggest my students take this book and improve your logical thinking and My department library place your books also sir your books are very useful for students and teachers also sir

Thanking you sir

☺☺☺☺☺☺

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**My recent talk on Program Visualization**

ዲላ ዩኒቨርሲቲ  
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ኮምፒዩተርና ኢንፎርሜሽን ቴክኖሎጂ



Dilla University  
College of Engineering and Technology  
School of Computing & Informatics

Dilla,  
18/08/2021.

Ref. No:CoET/SoCI/592/13

### Letter of Appreciation

**Dr. N. B. Venkateswarlu,**  
Professor,  
GVP Engineering College for Women,  
Visakhapatnam,  
Andhra Pradesh, India.

Dear Sir,

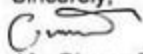
Thank you very much for delivering informative and thought provoking lecture as a resource person on "Program Visualization: A New Perspective For Data Structures" held on 12<sup>th</sup> August 2021 (Thursday) in International Conclave on Emerging Technologies in Computer Science – 2021.

We appreciate you making time in your busy schedule to speak to International participants. It was really splendid presentation which exposed participants to the research practices. All the participants appreciated and got benefited from your views on the working mechanism of Data Structures.

We look forward to a successful working relationship in the future.

Thank you again for your time.



Sincerely,  
  
Mr. Girmay T  
(Dean – School of C & I)

251-461313135

Fax  
meetbeke@gmail.com  
+251-463312674

P.o.Box 419  
Gedeo Zone, Dilla  
Ethiopia

### **Volunteering Video Titles to Telugu**

[https://amara.org/en/videos/B88wP5PMQfZN/te/2612731/?fbclid=IwAR2NIGln\\_G7R2ukAJaUs-Mor3F712nvaCVCIKJmNKbBptNG\\_RqEt\\_O2Ggxs](https://amara.org/en/videos/B88wP5PMQfZN/te/2612731/?fbclid=IwAR2NIGln_G7R2ukAJaUs-Mor3F712nvaCVCIKJmNKbBptNG_RqEt_O2Ggxs)

[https://amara.org/en/videos/r0EzFdBrywh9/te/2611865/?fbclid=IwAR0tzRJOm4KMAQcnOmBT0Au2OT7WqOW\\_xV9dhTBqXE8sZXmjPl4zI0qpFYQ](https://amara.org/en/videos/r0EzFdBrywh9/te/2611865/?fbclid=IwAR0tzRJOm4KMAQcnOmBT0Au2OT7WqOW_xV9dhTBqXE8sZXmjPl4zI0qpFYQ)



Prof. N. B. Venkateswarlu <venkat\_ritch@yahoo.com>  
To: translations@code.org

Hi,  
Do find my translation in Telugu to the video " Computer Science is changing everything". Its link is:  
[Computer Science is Changing Everything with subtitles | Amara](#)



I shall do some more if you think this is appropriate.

With best wishes

Prof NB Venkateswarlu

B. Tech(SVV), M. Tech(BI-Kanpur), Ph.D(BITS/Pilani), PhD(U of Leeds,UK), MISTE

**CITE Visiting Fellow for 2010-11**

**Visiting Fellow, School of Computer Studies, U of Leeds, UK, 2008**

**Former Faculty Member of BITS, Pilani, India**

Visit My Home at: [www.ritchcenter.com/nbv](http://www.ritchcenter.com/nbv)

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My College Home: <http://www.gvpcew.ac.in/>



Computer S... .sbv  
14.4 KB



Code.org Translations <translations@code.org>  
To: Prof. N. B. Venkateswarlu

Thanks for sending this over! We'll have your captions published today. We would greatly appreciate the help in any further translations as well!

Best,  
Code.org

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1. <http://enggstudentstoday.blogspot.com/>
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5. <http://parameterpassinginc.blogspot.com/>
6. <http://jntucurriculum.blogspot.com/>
7. <http://ritchcenter.blogspot.com/>
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**N. B. Venkateswarlu**

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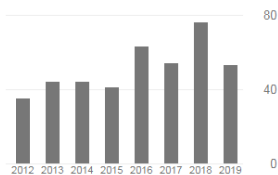
Professor in CSE at GVPCEW, Visakhapatnam, India.  
Verified email at gvpcew.ac.in - [Homepage](#)

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To: venkat\_ritch@yahoo.com

Mon, 4 Oct at 5:07 pm

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