

**Dr. T V Rajini Kanth**, LM- ISTE, LM-SDS, M-CSI, M-IEEE  
**Professor (CSE) and Dean (Research)**  
**M.Tech.(CSE), Ph. D. (CSE)**

### Career Highlights

**Total 26 years of Teaching (UG & PG level) & Research Experience**  
**Teaching Experience**

- **Sreenidhi Institute of Science & Technology – from 9<sup>th</sup> OCT, 2013 till today**
- **GRIET – from NOV,2007 to 8<sup>th</sup> OCT, 2013 (JNTUH Ratified Professor in 2009)**
- **VNRVJIET – from 26<sup>th</sup>, JUN, 1996 to OCT, 2007**
- **V R College – from Dec 1989 to 24<sup>th</sup> JUN, 1996**

### Patents:

**Patent Was published in Official Journal of The Patent Office with Issue No.: 36/2018 FRIDAY, Dt.: 07/09/2018**

**Application No.: 201841032703**

Title of the Invention: **"Autonomous Visual Tracking System And Method"**

### Ph.D's Guided: (SUPERVISOR - 12 CO-SUPERVISOR - 03)

Number of Ph.D's Produced: 15

Number of Ph.D's submitted Thesis: 01

Number of Ph.D's currently guiding: 04

### AWARDS

1. **OUTSTANDING SCIENTIST AWARD at IOSRD RESEARCH AWARDS in 130th International Research Awards on Electrical, Electronics Engineering & Power Technology held on 25th JAN 2019 at Nagpur, India Organized by International Organization Of Scientific Research and Development.**
2. **BEST ENGINEERING FACULTY OF THE YEAR AWARD 2018, ISTE. Telangana Section, 2018.**
3. **BEST FACULTY OF THE YEAR AWARD 2018 by CSI - IIT BOMBAY AWARDS**
4. **Reviewer Of The Year Award 2017, by MTRES New Delhi, 2017**
5. **Author of The Year Award 2017, by MTRES New Delhi. 2017.**
6. **Best Teacher Award 2014-15, 2015-16, 2017-18 by SNIST, Hyderabad**
7. **Best Researcher Award 2013-2014, 2014-2015, 2015-2016 by SNIST, Hyderabad**

### Achievements

- **Best Paper Award: Academic Society for computer systems and Information Technologies certified that our Paper "Design and Analysis of Novel Similarity Measure for Clustering and Classification of High Dimensional Text Documents" have been rewarded with the CRYSTAL CUBE PRIZE for best paper award of International Conference on Computer Systems and Technologies - CompSysTech'14, from Permissions@acm.org. CompSysTech'14, June27-28 2014, Ruse, Bulgaria Copyright 2014 ACM 978-1-4503-2753-4/14/06...\$15.00.**

### Highest Cited Article in my publications:

- **Science Direct® and Scopus® Usage Reporting Article Usage Dashboard has indicated that "Improve the Classifier Accuracy for Continuous Attributes in Biomedical Datasets Using a New Discretization Method" Proceedia Computer Science, Volume(s) 31, 29May2014, Pages 671-679 has indicated that total citations is 201 (USA -90, India-41, Thailand - 17, China-14, Indonesia-8).**
- **Paper entitled, "Image Information Retrieval based on Edge Responses, Shape and Texture Features using Data mining**



### Research Interests

Data Mining, Image Processing, Text Mining, Data Science, Big Data Analytics, Machine Learning

### Courses Taught

Data Science, Data Warehousing and Data Mining, Design and Analysis of Algorithms, Machine Learning, Social-Web and Mobile Analytics, Image Processing

Techniques” in GJCST Volume 16 and Issue 3 in 2016 recommended my name as one of our honorable authors to them for your next research paper publication. London Journals Press (<https://journalspress.com>) is an internationally acclaimed publishing organization and an accreditation authority for research standards on behalf of Open Association of Research, Society. This paper has been downloaded about 4896 times, and the Editor would like to send me regards for that. He got in touch with his editorial board for the same, and they have prepared a list of esteemed authors from our organization that he can recommend. I will be directly invited as a Franklin Member of London Journals Press. Additionally, my publication fee was discounted with Global Journals and will be same with LJP as I will be a part of Franklin Member Council.

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### Books Published

- Dr T V Rajini Kanth as an Editor for the Subject titled Data Base Management Systems, for PGDCA - MCA course of Osmania University, Hyderabad.
- Dr T V Rajini Kanth, as an Editor for the PROCEEDINGS- International conference on Advanced computing Methodologies ICACM-2011, International Conference Proceedings Elsevier Publishers, ISBN: 978-93-81269-40-4.
- Dr T V Rajini Kanth, as an Editor for the PROCEEDINGS- International conference on Advanced computing Methodologies ICACM-2013, International Conference Proceedings Elsevier Publishers, ISBN: 978-93-35107-14-95.
- Dr T V Rajini Kanth was the Author of the Book Artificial Intelligence for JNTUH CCC 2003.

### Books Chapters Published

- “Autonomous Visual Tracking with Extended Kalman Filter Estimator for Micro Aerial Vehicles” by SPRINGER Proceedings of the 5th International Conference on ‘Fuzzy and Neuro Computing - FANCCO-2015’, DOI 978-3-319-27212-2\_3, © 2015, ISBN 978-3-319-27212-2.
- “A Comparative Study of Data Mining Tools and Techniques for Business Intelligence”, Performance Management of Integrated Systems and its Applications in Software Engineering, DOI 978-981-13-8253-6\_15, © 2020
- “Chennai Weather Data Analysis Using Hybrid Data Mining Techniques”, Applications of Robotics in Industry Using Advanced Mechanisms, DOI 978-3-030-30271-9\_33, © 2020
- “Assay: Hybrid Approach for Sentiment Analysis”, Information and Communication Technology for Intelligent Systems, DOI 978-981-13-1742-2\_30, © 2019
- “Feature Optimization to Recognize Telugu Handwritten Characters by Implementing DE and PSO Techniques”, Proceedings of the 5th International Conference on Frontiers in Intelligent Computing: Theory and Applications, DOI 978-981-10-3156-4\_41, © 2017
- “Static Program Behavior Tracing for Program Similarity Quantification” Proceedings of the First International Conference on Computational Intelligence and Informatics, DOI 978-981-10-2471-9\_31, © 2017.
- “Weighted Co-clustering Approach for Heart Disease Analysis”, Proceedings of the First International Conference on Computational Intelligence and Informatics, DOI 978-981-10-2471-9\_50, © 2017.

**PAPERS PUBLISHED IN INTERNATIONAL JOURNALS (SCOPUS, THOMSON REUTERS, WEB OF SCIENCE, SCIENCE DIRECT, TAYLOR & FRANCIS etc) INTERNATIONAL CONFERENCES (SPRINGER, IEEE, ACM etc.) - 110**

- Journal Publications: International: 72 National: 3
- Conferences Proceedings: International: 32 National: 3

**GOOGLER SCHOLAR CITATIONS: Citation: 389**

## Education

- Ph.D. in C.S.E, Osmania University, Hyderabad, awarded JUL, 2008.
- M.TECH. in C.S.E., Osmania University, Hyderabad 2001, FIRST CLASS (70%).
- P.G.D.C.S., 1997, Hyderabad Central University.
- M.Sc. Applied Mathematics, S.V. University, Tirupati, 1989. University Xth Ranker.
- B.Sc. (M.P.C) V.R.College, Nellore, 1987, College First.

## Research & Entrepreneurship Grants and Industry Consultancy

- GRANTS RECEIVED: International conference ICACM-2011  
AICTE Rs.70,000/- DST Rs.75,000/-
- TEQIP-III / JNTUH - Collaborative Research Project: The Project titled as “Advanced Analysis of Cardiac Attacks Using Machine Learning Algorithms”  
Role: Principal Investigator, Amount: Rs.2,90,000/- Status: Under Progress  
Proposal No: JNTUH/TEQIP-III/CRS/2019/CSE/16
- UGC Minor Project Sanctioned and Completed: The Project titled as “Design and Development of Novel Similarity Measure for Finding Similarity between Text Documents”.  
Role: Principal Investigator Amount: Rs.1,10,000/-.  
Status: Completed  
Proposal NO: 279 having File No: 4-4/2014-15(MRP-SEM/UGC-SERC) Nov, 2014
- AICTE RPS PROJECT Sanctioned: The Project titled as “Design Of Suitable Combinational Algorithms For The Efficient Retrieval Of Information From The Spatial Data Sets”.  
Role: Co-Principal Investigator Amount: Rs.4,44,706/- Status: On-going  
Ref. No.: 20/AICTE/RIFD/RPS (POLICY-1)73/2013-14 Dt.:June252013

## RESOURCE PERSON: Session Chair in 3 International Conferences

- ICRSKT-2014 Organized by JNTUH,
- ICCCT in association with IEEE Organized by Osmania University,
- 66th CSI International Conference by JNTUH
- 2nd World Conference on Applied Sciences, Engineering & Technology (WCSET 2013) held on 08-09 Mar 2013 at GITAM, Hyderabad.
- International Conference on Advanced Computing Technologies ICACT-08 GRIET

## INTERNATIONAL CONFERENCES ORGANIZED AS CONVENOR

### ➤ ICACM – 2011, ICACM-2013

### BOS MEMBER / CURRICULUM REVIEW MEMBER:

- Programming with Languages - C syllabus at GITAM University, Hyderabad Campus on 21Dec 2009
- B.Tech. CSE & M.Tech. CSE & SE Branch Subjects of JNTUH

### BOS CHAIRMAN:

- Autonomous syllabus at GRIET, SNIST Hyderabad

### PROFESIONAL BODIES MEMBERSHIP:

- SOCIETY FOR DEVELOPMENT OF STATISTICS (SDS) - Life Membership LM-129/18
- IETE: Life Membership LM94613
- CSI: Mem.No:N1161307
- IEEE: Member#92238935

### REVIEWER:

- 1.Acted as a reviewer for the manuscript of Pearson Publisher titled “Compiler Design”
- 2. Acted as Reviewer for the book “Internet of Things” by McGraw Hill Education

### FACULTY DEVELOPMENT WORKSHOPS

- Attended - 25 Organized - 25

### GUEST LECTURES GIVEN in UGC - ASC, AICTE, TEQIP-II & TEQIP-III etc. Sponsored FDP's

- MGIT, CBIT, JNTUH, AU, VNRVJIET, CVSR, VASAVI, GEETANJALI Engg. College etc.

### PROJECTS GUIDED:

- M.Tech. - 25 B.Tech. - 50