

Resume / Curriculum Vitae



Name	Dr. G T Raju			
Date of Birth	01-06-1967			
Address	<p>Principal, SJC Institute of Technology, P B No. 20, BB Road, Chickballapur – 562101, Karnataka Director, BGS College of Engineering and Technology, Mahalakshmpuram, Bengaluru – 560086, Karnataka Mobile: 9448308345, 9731292555 E-mail: gtraju1990@yahoo.com, principal@sjcit.ac.in, director@bgscet.ac.in</p> <p><i>Residential Address:</i> #40, “Ananya”, Opp. Maruthi Garments, AGS Layout, Arehally, Bengaluru – 560 061, Karnataka, INDIA</p>			
Education	Degree	Institution, University	Class Obtained	Year
	B.E. Computer Science and Engg.,	Kalpataru Institute of Technology Tiptur, Bangalore University	First Class 65%	1988-1992
	M.E. Computer Science and Engg.,	BMS College of Engineering, Bengaluru, Bangalore University	First Class with Distinction 78%	1993-1995
	Ph.D. Computer Science and Engg.,	R&D Centre, ECE Dept. BMSCE, VTU, Belagavi	Awarded in July 2008	2003-2008
	Title of the PhD Thesis: <i>Knowledge Discovery from Web Usage Data: Extraction of Cluster Patterns and their Applications</i>			
Experience	Nature of Experience	No. of Years		
	I. Teaching	32		
	II. Industrial	1 ½		
	III. Research	16 (overlapped)		
Experience Details	Designation	Institution/ Organization	Duration	
	Lecturer in CSE Dept.	Kalpataru Institute of Technology Tiptur	Sep 1992 - May 1996	
	Assistant Professor in CSE Dept.	Kalpataru Institute of Technology Tiptur	Jun 1996 - Feb 1999	
	Assistant Professor and Head in CSE Dept.	BMS College of Engineering Bangalore -19	Mar 1999 - Jun 2008	
	Professor and Head in CSE Dept. Dean of Engineering (2012-18) Vice Principal (2018-20)	RNS Institute of Technology Bangalore - 98	July 2008 - Oct 2020	
	Principal and Professor in CSE Dept.	The Oxford College of Engineering, Bengaluru - 68	Nov 2020 - Jan 2021	
	Principal and Professor in ISE Dept.	SJC Institute of Technology Chickballapur -562101	Feb 2021 – till date	
	Project Trainee	ISRO Satellite Centre (ISAC) Bangalore	Jan 1992 - July 1992 (UG) Jun 1994 - May 1995 (PG)	
Professional Memberships	Life Member of Indian Society for Technical Education (ISTE), LM22743 Member of Computer Society of India (CSI), N1022568 Senior Member of IEEE, # 98279509			

Professional Experience

- **Director**, BGS College of Engineering and Technology, Bengaluru since inception (2022 -)
- **Principal**, SJC Institute of Technology, Chickballapur from Feb 2021 to till date
- **Academic Senate Member @ VTU, Belagavi (2022-25), Chief Mentor, AICTE Margadarshak Scheme**
- **Academic Council Member** of Sahyadri College of Engineering, Mangalore (2021-24)
- **Academic Council Member** of BMS College of Engineering, Bengaluru (2023-26)
- **Governing Council Member** of M S Engineering College, Bengaluru since 2023
- **Governing Council Member** of SJMIT, Chitradurga, since 2023
- **Governing Council Member** of Maharaja Institute of Technology, Mysore (2024-26)
- **Admission Governing Body Member - Research @ VTU since 2022**
- **VTU Nominee, Staff Selection @ Vemana IT and MSEC Bengaluru, 2024**
- **Chairman / Member, LIC Committee, VTU, since 2008**
- **Principal**, The Oxford College of Engineering, Bengaluru from Nov 2020 to Jan 2021
- **Vice Principal**, RNS Institute of Technology, Bengaluru from June 2018 to Oct 2020.
- **Dean of Engineering**, RNS Institute of Technology, Bengaluru from Aug 2012 to May 2018.
- **Professor and Head**, CSE Dept, RNS Institute of Technology, Bengaluru from July 2008 to Oct 2020.
- Head of CSE Dept, BMSCE, Bangalore, 1999-2001
- Head of CSE Dept, KIT, Tiptur, 1997-1999
- **External Examiner, PhD thesis Evaluation** at VTU (1), Anna University(6), Bharathiar University(3), Cochin University(1), and Mother Theresa University(1), Manonmaniam Sundaranar University(1)
- **Member, BOS, CSE/ISE Board, VTU, Belgaum, 2013 - 2017, 2018 – 2022**
- **Member, BOS in AI&ML, KSIT, Bengaluru**
- VTU Nominee, SIT Autonomous Institution, 2015-18
- Member, BOS, CSE/ISE Dept. RVCE, Bangalore, 2008-2010, 2015-2018
- Member, BOS, MCA Dept., DSCE, Bangalore, 2015-2018
- Member, BOS, CSE Dept. Christ College of Engineering, 2009-2012
- VTU Nominee, NMIT Autonomous Institution, 2018-2021
- VTU Nominee, Dr. AIT Autonomous Institution, 2010-13
- Member, BOS/BOE, CSE Dept. Dr. AIT, 2013-2015
- Member, BOE in ISE, SIT, Tumkur, 2013-2015
- Member, BOS, PG Studies in CS, Tumkur University, Tumkur, 2009-2012
- Member/Coordinator, BOE in CSE/ISE VTU, Belgaum during 2010-11, 2015-16
- Chief Editor – Apertura (7th edition-2011 and 8th edition-2012 issues), Annual magazine of RNSIT
- Program-Chair, ICDECS-2011, ICDECS-2015, ICDECS-2019 @ RNSIT
- General-Chair, ICKECS-2023, ICKECS-2024, ICKECS-2025 @ SJCIT
- Subject Expert – Staff Selection Committee at RVCE, SIT, Dr. AIT, DonBosco IT, Sapthagiri CE, AMCCE, RRCE, VKIT, EWIT, Shridevi Inst. Of Tech, Tumkur, KSSEM, KIT, MSCE, Vemana CE
- Reviewer, IJPRAI, IJCSNS, IJWNBT, MRJER, AJEHS, AJET and at various National/International Conferences
- Chairperson, Technical Paper presentation at National/International Conferences
- Invited Speaker and Resource person at FDPs/ National/International Conferences
- Chairman, BOE in CSE/ISE, Bangalore University, Bangalore since 2002 - 2006
- Member, BOS/BOE in CSE/ISE for UG and PG Courses, UVCE, Bangalore University since 2007.
- Programme-In-Charge, IGNOU Study Centre-1325P at BMSCE, Bangalore during 2001 to 2006.
- Secretary, Science & Cultural Forum (2002-2004), BMS College of Engg., Bangalore
- Secretary, Technical Events, **Utsav** Fest (2002-2007), BMSCE
- Member, INTERNET & INTRANET Committee at BMSCE
- Member, Academic Curriculum Committee, BMSCE (Autonomous)
- Chairperson, Computer Science Cluster, Academic Curriculum Committee, BMSCE (Autonomous)
- Member, Academic Programme Committee, TEQIP, BMSCE
- Coordinator, Presentation and Cultural committee, Accreditation Process, BMSCE
- Member, Computers purchase committee, 2001-2003, BMSCE
- Executive Committee member of ISTE Chapter (2002-2008), BMSCE, Bangalore
- External Deputy Chief Superintendent at BIT(2006), YDIT(2007) for VTU Theory Exams.
- Member, BOS/BOE, Bangalore University, B'lore for B.E., BCA & MCA Degree courses 2002-2005
- Member, BOS, National College, Bangalore University, for BCA and BSc Degree courses, 2006-2008
- Chief Mentor/Coordinator, Establishment/Setup of specialized Computer Laboratories at KIT(AI and CG Lab, RDBMS Lab), BMSCE(I Year Lab, Campus wide Networking) and RNSIT (R&D Lab, ECLD Lab, Reorganization of Computer Lab for Higher Semester classes, **Center of Excellence in Machine Learning**)
- Advisory Committee member at International/National Conferences
- Deputy Chief Coordinator, VTU Valuation Centre @ RNSIT, 2015-17
- Expert member, PhD registration Committee in CSE @ VTU for Interview and Scrutiny of Applications, 2015-2018
- VTU Nominee/Subject Expert, Staff Selection Committee, EWIT/EWCE, Bengaluru, 2017-2020

Subjects Taught	Data Structures in C/C++, Computer Graphics, Artificial Intelligence and Agent Systems, RDBMS, OS, Parallel Processing, Advanced Computer Architecture, Analysis and Design of Algorithms, Microprocessors, System Software, Advanced DBMS, Pattern Recognition, Neural Networks, Data Warehousing and Mining, Unix and Shell Programming, Unix Systems Programming, Embedded Systems, Real Time Systems, Programming Languages, Advanced Algorithms, Fault Tolerant Computing Systems, Computer Organization, Discrete Mathematical Structures, Object Oriented Programming, OOAD, Principles of Programming Languages, Finite Automata and Formal Languages, Compiler Design, Logic Design, Software Engineering, Distributed Computing Systems, Network Programming, Web Programming with LAMP, Programming in C/C++/ Java, Python Application Programming
Areas of Research Interest	Knowledge Discovery in Databases, Clustering and Prefetching techniques, Pattern Recognition, Web Mining and its Applications, Image Processing, Semantic Web, Information Retrieval Techniques, AI and Machine Learning, Nextgen Agriculture and Nextgen Communication
Research Guidance	<ul style="list-style-type: none"> • Guided and Produced 20 Doctorates: <ol style="list-style-type: none"> 1. Dr. R Nagaraja (2014, AU-TN) , Professor, ISE Dept., BIT, Bangalore, Dean, AMCEC, B'lore Title: Dynamically Reconfigurable Middleware for Pervasive Computing (DOMPC) 2. Dr. Poornima N (2014, BU-TN), Associate Professor and Head, MCA Dept., DSCE, Bangalore Title: Assimilating HCI Metrics and Cost Estimation of Online Programs With Recommender System for Green-IT 3. Dr. Yogisha H K (2015, BU-TN), Professor, ISE Dept., MSRIT, Bangalore Title: Prefetching of Web Pages Using Cluster Patterns for Enhancing the Performance of Web Retrieval Process 4. Dr. Ambika N(2015, BU-TN), Assistant Professor, MCA Dept., DSCE, Bangalore Title: A Framework for Prevention and Detection of Compromised Nodes in Wireless Sensor Network 5. Dr. Keshava Munegowda (2016, VTU), Vice President, Goldman Sach, Bangalore Title: Optimized and Power Reliable File Systems for Portable Storage Devices through Intelligent Techniques 6. Dr. Thulase M B (2016, VTU), Professor, SJP, Bangalore Title: Knowledge Discovery from Web Data for Increased Performance of Web Retrieval Process 7. Dr. Prakasha S (2016, VTU), Associate Professor, ISE Dept., RNSIT, Bangalore Title: Query Context Model for Information Retrieval 8. Dr. Ashwini K B (2016, BU-TN), Professor, Master of Computer Applns , RVCE, Bangalore Title: Data Aggregation in Wireless Sensor Networks 9. Dr. Chayadevi M L (2016, VTU), Professor & Head, CSE Dept., BNMIT, Bangalore Title: Knowledge Discovery from Medical Image Databases: Detection and Classification of TB and MP Smear Images with their Performance Evaluation 10. Dr. Nandini N (2016, BU-TN), Associate Professor & Head, CSE Dept., Dr AIT, Bangalore Title: A Novel Prefetching Technique for Reducing the Web Latency through Web Mining Techniques 11. Dr. Nagaveni (2016, BU-TN), Professor, CSE Dept., AMCEC, Bangalore Title: Exploring Parallelism and Performance Analysis on Scheduling and DNA Sequencing Algorithms with Multicore Architectures 12. Dr. Sandhya G (2017, JNTUH-AP), Professor, CSE Dept., MSEC, Bangalore Title: Extraction of Cluster Patterns from Breast Images for Early Detection of Cancer Cells 13. Dr. Veeragangadhara Swamy (2018, JYTU), Professor & Director, ISE Dept., GMIT, Davanagere Title: A Framework for Effective Reduction in Web Latency through Novel Prefetching Techniques and Web Users' Navigational Patterns 14. Dr. Shashidhara H R (2019, Reva Univ.), Professor & Head, ISE Dept., SJBIT, Bangalore Title: Query Optimization Methods for Increased Performance on Web Object/Information Retrieval Process 15. Dr. Doddegowda B J (2019, Reva Univ.), Associate Professor, CSE Dept., AMCEC, Bangalore Title: Web Personalization through Web User Behavioural Patterns and Profiles for Effective Web Retrieval Process 16. Dr. Rangaswamy C (2019, Reva Univ.), Professor & Head, ECE Dept., SJBIT, Chickballapur Title: Neuro-Fuzzy Approaches for Early Detection of Lung Cancer 17. Dr. Vinutha D C (2019, VTU), Professor & Head, AI&ML Dept., VVCE, Mysuru Title: An Optimized Resource Scheduler for Big Data Systems 18. Dr. Monika P (2020, VTU), Associate Professor, AI&ML Dept., BMSCE, Bengaluru Title: Integration of Ontologies within/across Domains to avoid Redundancy and Improve the Search Results in a Semantic Web 19. Dr. Devaraju B M, (2023, VTU), Associate Professor, CSE Dept., RNSIT, Bengaluru Title: Framework for Detection and Prevention of Malicious Nodes in Wireless Sensor Networks for Improved QoS

	<p>20. Dr. Priyanka C Hiremath, (2024, VTU), Assistant Professor, CSE Dept., Sharnbasva University - Kalaburagi Title: Recommender System for Geo-Social Access Control Framework</p> <ul style="list-style-type: none"> • Currently guiding 4 PhD Scholars at VTU, Belgaum through R&D Centre, CSE Dept, SJGIT and 1 scholar at Reva University - 2 Scholars have submitted Thesis for Evaluation, 1 Scholar is in the verge of submitting thesis, 2 scholars have completed comprehensive viva.
<p>PhD Thesis Evaluation and Research Grants Fetched</p>	<ul style="list-style-type: none"> • Evaluated PhD thesis (As Indian Examiner) of 12 Research Scholars @ various Universities <ol style="list-style-type: none"> 1. K P Srinivasan, “Design and Development of A Procedure Based Metrics System for Object-Oriented Design Quality Assessment “, Supervised by Dr. T Devi, Bharathiar University, 2014 2. S. Prabha, “A Novel Application Service Network Request Identification (ASNRI) Technique for Mitigating App- DDoS Attacks ”, Supervised by Dr. Anitha R, Bharathiar University, 2014 3. S Vanithamani, “Automated Vehicle Detection and Tracking in Video”, Supervised by Dr. S. Purushothaman, Mother Teresa University, 2014 4. S Krishna Anand, “Design and Optimization of a Fuzzy-neuro Expert System for Improving Productivity of a Chemical Recovery Boiler”, Supervised by Dr. S Subramanian, Anna University of Technology, Coimbatore, 2013 5. S Srikrishnan, “Software Risk Management in Information Systems Offshoring & Outsourcing”, Supervised by Dr. Bhasi M, CUSAT, Cochin University, 2013 6. Anil George K, “A Fuzzy - Enabled Neural Learning Paradigm For Prediction Of Acute Myocardial Infarction”, Supervised by Dr. Anitha R, Anna University, 2016 7. Aruna S, “Trust Aware Weighted Double Cluster Head Based Routing Protocol To Enhance Routing Security and Stability In Manet”, Supervised by Dr. Subramani, Anna University, 2017 8. Aruna P, “Certain Investigations On Swarm Intelligence Based Virtual Machine Allocation And Consolidation Algorithms For Efficient Usage Of Power And Resource In Cloud Computing Environment”, Supervised by Dr. Vasantha, Anna University, 2017 9. Lavanya S, “Adaptive Clustering With Security For Data Transmission In Wireless Sensor Networks”, Supervised by Dr. Murali Bhaskaran, Anna University, 2017 10. S. Anantha Sivaprakasam, “Segmentation and Classification of Cervical Cytology Images using Morphological and Statistical Operations”, Supervised by Dr. Naganathan, Manonmaniam Sundaranar University, 2017 11. Vijaya Kumar T, “Web Usage Mining-Extraction of Cluster Patterns”, Supervised by Dr. H S Guruprasad, Visvesvaraya Technological University, 2018 12. KRISHNADAS J, “An Effective Hierarchical and Energy Routing Protocol using Chicken Swarm Optimization in WSN”, Supervised by Dr. G K D Prasanna Venkatesan, Karpagam Academy of Higher Education(Deemed to be University) 2019 • Completed 4 research projects under grants from various funding agencies. <ol style="list-style-type: none"> 1. 3.8 Lakhs for the research project entitled “Diagnosis Tool for Assessment of Lung Nodules that helps in Analyzing Tumors with the aid of CT Image Databases using CBIR Techniques” under VTU Research Grants Scheme, for a period of 2 years during May 2012 (Co-Investigator) - Completed 2. 5.2 Lakhs for the research project entitled “System for Image Retrieval from Medical Image Databases by associating Content and Semantic of Images “, under AICTE Research Grants Scheme, for a period of 2 years during April 2012 (Co-Investigator) - Completed 3. 6 Lakhs for setting up of AI and CG Lab at KIT, Tiptur under MODROBS from AICTE, New Delhi during 1995 (Principal Investigator) - Completed 4. 6 Lakhs for setting up of RDBMS Lab at KIT, Tiptur under MODROBS from AICTE, New Delhi during 1996 (Principal Investigator) – Completed 5. 25 lakhs for the research project entitled “Early Detection of Lung Cancer through Neuro-Fuzzy Approaches”, under VGST Research Grants Scheme, for a period of 2 years during Aug 2017 (Co-Investigator) - Completed

**Work Shops/
Conferences
Organized**

1. Workshop on “ Computer Graphics and Visualization”, 4-days at RNSIT, Bangalore (28th – 31st Jan 2009)
2. Workshop on “Programming the Web and S/W Architecture”, 4-days at RNSIT, Bangalore (27-30th July 2009)
3. One-day workshop on SFD-Software Freedom Day, 23rd Sep 2008, Student Coordinator – Vittal P, RNSIT, Bangalore
4. One-day workshop on Web 2.0, the latest trends in web technology, Open Source Content Management System (CMS), and Sun SPOTS, 28rd Feb 2009, Student Coordinator – Vittal P, RNSIT, Bangalore
5. 4-days Workshop on HARDWARE Trouble Shooting AND NETWORKING, July 5-8, 2010,for the benefit of Technical Support Staff of VTU affiliated Engg. Colleges
6. Expert Technical Talk on “Cloud and Grid Computing “by Dr. Rajkumar Buyya, Director, cloud computing & Distributed Systems , The university of Melbourne, Australia, CEO, Manjrasoft Pty Ltd, Melbourne, Australia for the benefit of research scholars and faculty members, under R&D activity, 18/12/2009 , RNSIT
7. Expert Technical Talk on “Research Methodology and How to Write a Technical Paper “by Dr. Venugopal K R, Principal, UVCE, Bangalore for the benefit of research scholars and faculty members, under R&D activity, 18/12/2009 , RNSIT
8. Work shop on RDBMS & ORACLE, 10 days at KIT, Tiptur
9. Work shop on Computer Basics, 8 days at KIT, Tiptur
10. Workshop on Advanced C Programming, 8 days at BMSCE, Bangalore, (29th Jan – 3rd Feb 2001) (ISTE Sponsored)
11. Workshop on Advances in Data Structures, 14 days at BMSCE, Bangalore
12. Workshop on Database Technology(ISTE Sponsored), 14 days at BMSCE, Bangalore
13. Work shop on Computer Basics for Non-Teaching Staff, 15 days at BMSCE, Bangalore
14. Work shop on OOP and Data Structures,15 Days at BMSCE, Bangalore, (7th-21st Jan 2002) (ISTE Sponsored)
15. Two-days workshop on Android Mobile Operating systems, April 21st -22nd , 2011, at RNSIT
16. One-day Workshop on Concepts of Parallel Programming and OpenMP, Feb 24, 2011, at RNSIT,
17. Invited Talk on Research Opportunities in Optimization Techniques, Sep 29, 2011, Prof. Y Narahari, Professor and Chairman, CSA, IISc, Bangalore
18. Invited Talk on Why should we study compiler design, Sep 22, 2011, Prof. Y N Srikanth, Professor, CSA, IISc, Bangalore
- 19. International Conference on Data Engineering & Communication Systems, ICDECS-2011, RNSIT, Dec 30-31, 2011 at Vivanta by Taj, Bangalore**
20. One-day Workshop on Creating Animation using Computer Graphics and Visualization Techniques by Ganga Prasad, Sr. Scientist, CDAC, Bangalore, under CSI Students Chapter, 25th Feb 2012, RNSIT
21. FDP on System Software & Operating System Lab, RNS Institute of Technology,30–31st July 2012
22. Workshop on Ethical Hacking “Hack-Mania-2012, 30-31,Aug 2012
23. FDP on Software Testing Laboratory, RNS Institute of Technology, 21-22nd Jan 2013
24. Technology Trends in Silicon Valley,13th August 2013, RNSIT
25. Mobile Applications Development, 5th April 2014, RNSIT
26. Options, Opportunities of Entrepreneur, 29th March 2014, RNSIT
27. FDP on Problem Solving in C and Data Structures, 24th -25th July 2014, RNSIT
28. Haptics - learn to build Robot 19th -20th Sep2014, RNSIT
29. “Empires of the future” by Mr. Manuel, 26th September 2014, RNSIT
30. Application Development Technologies, 1-3rd Jan 2015, RNSIT
31. Introduction to Hadoop, 7th March 2015, RNSIT
- 32. 2nd International Conference on Data Engineering & Communication Systems, ICDECS-2015, RNSIT, Dec 28-29, 2015 at RNSIT, Bengaluru**
33. Training programs for students on Oracle and Java certification programs through Ethnotech Ltd. July-2016 to June 2017
34. Expert/guest lecture organized in association with BITES and CSI, BITES distinguished lecture “AI and its Applications” by Dr Srinivas Padmanabhuni on 10/8/2016
35. 3-day In-house FDP on “Fundamental and Advanced Concepts of UNIX OS”, July 20-22, 2016
36. 2-day FDP on “Microprocessors and ARM Programming, OOP with Java”, Jan 29-30, 2017
37. 3-day In-house FDP on “Database Application Development using Python/Java”, in association with ISE and MCA departments, July 20-22, 2017
38. 3-day In-house FDP on “Machine Learning”, in association with ISE department, July 19-21, 2018
39. 3-day In-house FDP on “Web Technology and Applications”, in association with ISE department, July 23-24, 2018
40. 3-day FDP on “Python Application Programming” , Jan 28-30, 2019,RNSIT, 70 CSE and ISE Faculties and students, other faculties
- 41. 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019 at RNSIT, Bengaluru, December 19-20, 2019**

Work Shops/ FDPs/ Seminars	1. Work shop on Advanced Data Structures & Object Oriented Software Engg. 10 days, 6-16 Nov 1995 at IISc. ,Bangalore 2. Work shop on Artificial Intelligence & Expert Systems, 22-23 Sep 1995 at PESIT, B'lore 3. Workshop on Data Base Technology, 6 days , Jan 2003 at IIITb - Bangalore
Attended	4. Workshop on E-Commerce & E-Business Applications, 3-7 Mar 2003, IIITb-Bangalore 5. Workshop on Computer Graphics, 6-7 Nov 1998, 2 days KLECE, Belgaum 6. Induction Training for Teachers , 2 days at SIT, Tumkur 7. Three days workshop on ISO 9000:2000, A process approach for effective Quality Management 5-7th Nov2001. BMSCE, Bangalore 8. VLDB Summer School on Frontiers of Database Technology, June 7-9 2004 at IIIT-Bangalore organized by IIT-Delhi and IIIT-b Bangalore. 9. Work Shop on Recent Advances in Computational Techniques(RACT), 2–13 August 2004. AICTE & ISTE Sponsored. BMSCE 10. Training Program on Cloudscape conducted by IBM University Program with IIIT-b, Bangalore on 3-6 Jan 2005 held at IIIT-b, Bangalore 11. STTP on “Data Mining & Data Warehousing” held at Dr. AIT, B'lore, Feb 20-27 th 2006. 12. Two days work shop on “GIS & SDM06” , BMSCE, 8-9 September 2006 13. One day work shop at Dr. AIT, “ Knowledge Management”, 4 th Nov 2006 14. International Symposium on Cognition and recognition technologies (ISCRT 06), Dec 29-30, 2006 at PES School of Engineering, Bangalore 15. Tutorial Session on “Text to Speech Processing, Image analysis and Level sets” at IEEE-International Conference on Signal and Image Processing(ICSIP) 2006, 7-9th December 2006, BVBCET, Hubli 16. Training Program “ Series 60 Software Development” organized by Series 60 R&D, NOKIA India Pvt. Ltd. Bangalore, 20-21 Oct 2005 17. Interactive Course on Artificial Neural Networks and Applications, by M/S Optotech Systems Ltd. B'lore in association with the NeuroDimension Inc., USA on 4-5,Oct 2006 18. Two days “Adobe RIA Developer Summit 2008”, a Flex Developer Summit is organized by Adobe Platform team,10th & 11th of Sep, 2008 @Taj Residency, Bangalore 19. One-Day Faculty Development Program on BI (Business Intelligence) and Data Warehousing techniques and its applications. organized by KEYSOFT on 02.04.09, Bangalore 20. Seminar on Roles, Responsibilities and Opportunities of present Engineers, 6 th Feb 2009, by Prof. B S Sonde, IISc, Bangalore 21. Seminar on Redhat Linux & Open Source, 12th Feb 2009 by HCL, Bangalore 22. FDP on Communications and Networking at MSRIT, Dec 21-26th 2009 23. Workshop on Android Mobile Operating System, 21-22, April 2011, RNSIT, Bangalore 24. Research Opportunities in Optimization Techniques, Sep 29, 2011, Prof. Y Narahari, Professor and Chairman, CSA, IISc, Bangalore 25. Why should we study compiler design, Sep 22, 2011, Prof. Y N Srikanth, Professor, CSA, IISc, Bangalore 26. Data Mining in a Nutshell using WEKA, Dec 30, 2011, Dr. Deepa Shenoy, UVCE, B'lore 27. Market-Oriented Cloud Computing and the Aneka Platform, Dec 30, 2011, Dr.Rajkumar Buyya, University of Melbourne, Australia 28. Sensor Networks for Emerging Applications, Dec 30, 2011, Dr. S S Iyengar, USA 29. Algorithms, Dec 31, 2011 Dr. K Chidananda Gowda, Ex-VC, Kuvempu University 30. EMC Academic Summit- 2012, Feb 10, 2012, MSRIT, Bangalore 31. Invited Talk on “Recent Trends in Medical Images and Open Issues in Medical Images”, by Dr. Phanindra K Y, Professor, SERC, IISc, Bangalore, 21 Aug 2012. 32. Lecture on “How to prevent Chronic and degenerative diseases through Nutrition”, Mr. Kumar N, Dietician, 4 th Oct 2012 33. Imagination in Engg., by Dr. T G K Murthy,Outstanding Scientist, ISRO, B'lore, 12 Mar13 34. Innovation Skills, by Sudeendra Koushik, Director, HCL, Bangalore, 8 th April 2013 35. Change of Life style (Yoga, Prevention of Injuries, and Knee pain), BGS Global Hospital, 10-05-13 36. Indian Space Programme and Challenges in Sattelite Technologies, by Sri. Hiriyananna, Director, GEOSAT, ISRO, Bangalore, 11 th May 2013 37. FDP on System Software & Operating System Lab, RNS Institute of Technology, 30-31 st July 2012 38. Workshop on Linear Algebra, 17-21 Dec 2012, by Prof. R B Kulkarni at RNSIT 39. Invited Talk on “ Ethics for teaching”, 7 th Mar 2013, by Dr. Gururaj Karjagi, at RNSIT 40. One day BOS Orientation on OBE and NBA, Dr. K Paliwal,VTU,B'lore,15thOct 2013

41. Four day workshop on Training of Evaluators on OBE and NBA, RVCE Nodal centre, Bangalore in Association with NBA NewDelhi,10-13th , July 2013
42. One day workshop on National Vocational Education Qualification Framework(NVEQF), Bangalore, organized by AICTE, NewDelhi, 7th June 2013
43. National Conference on Networking, Image processing, and Multimedia NaCoNIM-2014 KSIT, Bangalore, 5th April 2014
44. One day workshop on Curriculum Design and Emerging Trends in CSE,IT and ICT Curricula, Dr. Sadagopan and Dr. B S Sonde,IIT-B, Bangalore in association with BITES, Bangalore,3rd Sep 2013
45. International Conference on Emerging Computation & Information Technologies, ICECIT 2013 SIT, Tumkur, 22-23rd Nov 2013
46. Two day workshop on Effective Leadership for Excellence, Dr. K Balveera Reddy, VivantaTaj, Bangalore, 29-30th July 2013
47. FDP on Software Testing Laboratory, RNS Institute of Technology, 21-22nd Jan 2013
48. Technology Trends in Silicon Valley,13th August 2013, RNSIT
49. Mobile Applications Development, 5th April 2014, RNSIT
50. Options, Opportunities of Entrepreneur, 29th March 2014, RNSIT
51. FDP on Problem Solving in C and Data Structures, 24th -25th July 2014, RNSIT
52. Haptics - learn to build Robot,19th-20th Sep2014,RNSIT
53. "Empires of the future" by Mr.Manuel 26th September 2014,RNSIT
54. Application Development Technologies, 1-3rd Jan 2015, RNSIT
55. Introduction to Hadoop,7th March 2015, RNSIT
56. BITES distinguished lecture " AI and its Applications" by Dr Srinivas Padmanabhuni on 10/8/2016
57. 3-day In-house FDP on "Fundamental and Advanced Concepts of UNIX OS", July 20-22, 2016
58. 2-day FDP on "Microprocessors and ARM Programming, OOP with Java", Jan 29-30, 2017
59. 3-day In-house FDP on "Database Application Development using Python/Java", in association with ISE and MCA departments, July 20-22, 2017
60. 3-day In-house FDP on "Machine Learning", in association with ISE department, July 19-21, 2018
61. 3-day In-house FDP on "Web Technology and Applications", in association with ISE department, July 23-24, 2018
62. 3-day FDP on "Python Application Programming" , Jan 28-30, 2019,RNSIT, 70 CSE and ISE Faculties and students, other faculties
63. Webinar on "Understanding COVID -19 & Yourself", Tue May 19, 2020 2:30pm – 5pm, Bangalore Institute of Technology, Bengaluru
64. Webinar on "Logistic Regression", Mon Jun 1, 2020, by Prof. Sridhar V, Department of BA and IT, IMT, Hyderabad
65. Live Panel Discussion on Blended Pedagogy -- Making Learning Intuitive – May 22, 2020 at 5.30-7.00 pm, Binary Semantics, Bengaluru
66. Webinar on "Making Students Industry-Ready", conducted by Centre of Excellence(A&D) along with VTU along with ORNNOVA, Friday, 15 May, 2020 | Time: 4:00 PM - 5:15 PM
67. Online Workshop on "Incorporating Universal Human Values in Technical Education", AICTE and VTU Sponsored, May 2-6, 2020 every day 9.30am-1.30pm, 6.00-7.30pm
68. BOS Webex meeting, Department of CS & E, NMIT, Bengaluru, 29 April 2020 at 3-5 PM
69. Microsoft Webinar Series on Digital Locker and Digital Learning - Paperless Future - Empowering Education Sector during challenging times, May 14, 2010 3.00-4.00pm
70. Microsoft Webinar series on Enabling business continuity during challenging times, April 29-30, 2020
71. Microsoft Webinar Series Empowering Education Sector During Challenging Times, Apr 30, 2020 3:00 PM - 4:00
72. WEBINAR on "Engineering in Karnataka: One stop solution for education and career", Sat May 9, 2020 5pm – 5:30pm, Dr. Sadashive Gowda, Principal, VVCE, Mysuru
73. WEBINAR on "Engineering Education: Post-COVID19", Future of Engineering Education: Post COVID-19-Scope for Core Engineering-Engineering Admission @ Tue Apr 28, 2020 6pm - 6:45pm, By: Dr. B. Sadashivegowda, PhD(IISc),Principal, VVCE, Mysuru, Karnataka
- 74. Registered Completed NPTEL course Introduction to Machine Learning(IITKGP), by Dr. Sudeshna Sarkar, IITKGP, Jun-Oct 2019**
- 75. Registered and Completed NPTEL Courses on "Artificial Intelligence: Knowledge Representation and Reasoning" and "Python for Data Science", Jan-Apr, 2020**

**National/
International
Conferences
Attended**

1. IEEE International Conference on Computational Intelligence and Multimedia Applications (ICCIMA07), 13-15th December 2007 at Sivakasi, Tamilnadu, India
2. IEEE-International Conference on Signal and Image Processing(ICSIP) 2006, 7-9th December 2006, BVBCET, Hubli, Karnataka, India
3. International Conference on Innovative Applications of Information Technology for Developing World (Asian Applied Computing Conference- AACC 2005), 10-12th Dec 2005 at Kathmandu, Nepal
4. National Conference on Distributed Computing NCDC-2004 held at NMAMIT, Nitte, 5-6th Mar 2005.
5. IEEE Conference on Data Engineering, (ICDE-2003) 3-5 March 2003, Organized by IIT-Bombay & IISc. Bangalore held at Bangalore
6. International Conference on Software Agents held at BIET, Davanagere, 5-6 Sep 2003
7. National Conference on Software Agents and ES held at SREC, Coimbatore, 11-12 July 2003.
8. National Conference on Signal Processing, Intelligent Systems, & Networking (SPIN 2003) Dec 4-5 2003 at MSRIT, Bangalore.
9. International Conference on Advanced Computing and Communications (ADCOM 2003), at PSG college of Technology, Coimbatore, December 17-20, 2003
10. International Seminar on Accreditation (ACCSEM'98), 8-10 July 1998, at IISc. Bangalore
11. National Conference on Recent Trends in Information Technology, 4th April 2009, at SJBIT, Bangalore (as a Chairperson)
12. National Conference on Emerging Trends In Engineering Technology & Applications (Nceteta-2009) , 29th - 30th April ,2009, SSEC, Anekal, Bangalore as a Chairperson
13. National Conference on Recent Trends in Computers, Communication, and IT (RCCIT09), 17-18th of April 2009, M S Engg College, Bangalore(as a **Resource person to deliver a talk on "Fundamentals and Research Avenues in ANNs"**)
14. Third International Conference on Information Processing (ICIP-2009), Aug 7-9, 2009, Organized by University Visvesvaraya College of Engineering Bangalore University, Bangalore, as a Chairperson
15. National Seminar on "Oracles Solution for Universities and Higher Education Institutions" 18-02-2010, Organized by Oracle, in association with IBM, Sun Microsystems at hotel Oberai, MG road, Bangalore
16. 2nd International Conference (ICMCBIR-2010), PESIT, Bangalore, July 21-23, 2010 as a Chairperson
17. National Conference on Frontiers of Computer Science (NCFCS 2011), 19-21, May 2010, at DonBOSCO IT, Bangalore (as a **Resource person** and Chairperson for paper presentation session)
18. National Conference on Information Processing and Networks, 22 Dec 2010, at Acharya Inst of Tech, Blore(as a **Resource person for invited talk** and Chairperson for paper presentation session)
19. International Conference on Frontiers of Computer Science(ICFoCS-2011), organized by Department of CSE, Atria Institute of Technology, Bangalore in association with IIIT-B, Blore. 7-9th AUG, 2011 at JN Tata Convention center, IISc, Bangalore.
20. International Conference on Data Engineering & Communication Systems, (ICDECS-2011), organized by Departments of CSE and ISE, RNSIT, Dec 30-31, 2011 at Vivanta by Taj, Bangalore
21. National Conference on Frontiers of Computer Science and Technology-FCST'12 organized by CSE Dept. Rajarajeswari CE, Bangalore, 16-17 Feb 2012, as a Chairperson for paper presentation session
22. International Conference on Cloud Computing and Service Engineering (CLUSE-2012), April 11-13, 2012, organized by Dept. of MCA, RRCE, Bangalore, in association with KINGSTON University, London, UK, as a **Invited Speaker at Virtualization and Cloud Computing at Invited Talk session**
23. National Conference on Frontiers and Advance in Information Science and Technology-FAIST'13 organized by ISE Dept. Rajarajeswari College of Engineering, Bangalore, 23rd - 24th May 2013, as a Chairperson for paper presentation session
24. National Conference on Computing Technologies and trends - NCCTT'13, 20-21st March 2013, RLJIT, as a Guest of Honor and Chairperson for paper presentation session
25. International Conference on Circuits, Controls, and Communication, C-Cube'13, 27-29 Dec 2013, RNSIT, Chairperson for paper presentation session
26. National Conference on Frontiers in Information Science and Technology- organized by CSE Dept., DonBOSCO, 18th May 2014, as a Chairperson for paper presentation session
27. International Conference on Emerging Computation & Information Technologies, ICECIT 2013 SIT, Tumkur,22-23rd Nov 2013, as a Chairperson for paper presentation session
28. National Conference on Networking, Image processing, and Multimedia NaCoNIM-2014, Dept. of CSE, KSIT, 5th April 2014, as **Chief Guest and Keynote Speaker**
29. National Conference at Dept. of CSE, EWIT, March 2015, as Chairperson
30. International Conference on Innovations in Computing and Networking(ICICN-2016)- organized by CSE Dept., Rajarajeshwari College of Engineering, as a Chairperson
31. International Conference on Computational Systems and Information Technology for Sustainable Solution(CSITSS) organized by R V College of Engineering, Oct 6-8, 2016 as a Chairperson for paper presentation session
32. National Conference on Recent Innovations in Computing Technology- organized by ISE Dept., Global Academy of Technology, Bengaluru, 19th may 2017, as a Chairperson for paper presentation session

33. 3rd National Conference on Convergence of Science, technology and Management(NCCSTM-2017) - organized by Dayananda Sagar Academy of Technology and Management , Bengaluru, 19th may 2017, as a Chairperson for paper presentation session
34. National Conference on Emerging Trends and Advances in Information Technology - organized by CSE Dept., Adichunchanagiri Institute of Technology, Chikkamagaluru, 7th April 2017, as a Chairperson for paper presentation session and also Keynote Speaker on “Emerging Trends and Advances in Information Technology”
35. 2nd IEEE International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT – 2016), organized by ISE Dept., SJB Institute of Technology, Bengaluru July 21-23, 2016, as a Chairperson for paper presentation session
36. 2nd International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) , Elsevier, NMIT, Bengaluru, August -2014
37. 2nd International Conference on Computational Systems and Information Technology for Sustainable Solution (CSITSS-2018) organized by R V College of Engineering, Dec 21-23, 2017 as a Chairperson for paper presentation session on 23-12-17
38. 3rd International Conference on Cognitive Computing and Information Processing, CCIP- 2017, Dec 15-16, 2017), Organized by CSE and ISE depts., JSS Academy of Technical Education, Bengaluru, as a Chairperson for paper presentation session on 16-12-17
39. 4th National Conference on Convergence of Science, technology and Management(NCCSTM-2018) - organized by Dayananda Sagar Academy of Technology and Management , Bengaluru, 19th may 2018, as a Chairperson for paper presentation session
40. EdTechReview - Higher Education Technology Conference and Expo 2018 @ Vivanta by Taj, Bengaluru, Mar 22, 2018
41. International Conference on Research Trends in Computer Technologies (ICRTCT ‘18), Technical Committee member, Dr.N.G.P. Arts and Science College, Coimbatore, Tamilnadu
42. 5th International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) , Elsevier, July 27, 2018 as a Chairperson for paper presentation session.
43. IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques ICEECCOT-2018), GSSSIT, Mysore,14-15th Dec-2018
44. 2nd International conference on “Research in Business Management and Information Technology 2019” (ICRBIT-19), April 25-26, 2019 at RNS Institute of Technology, Bengaluru
45. Session Chair, International Conference on Data Science, Machine Learning & Block chain Technology (AICDMB-2020) on Feb 13, 2020, VVCE, Mysuru
46. Session Chair, 2nd International Conference on Recent Innovative Trends in Computer Science and Applications (ICRITCSA-2019) on Oct 25, 2019, Ramaiah Institute of Technology, Bengaluru
47. 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019 at RNSIT, Bengaluru, December 19-20, 2019
48. IEEE 1st International Conference on Knowledge Engineering and Communication Systems ICKECS-2022 at SJCIT, Chickballapur, 28-29 Dec. 2022
49. IEEE 2nd International Conference on Knowledge Engineering and Communication Systems ICKECS-2024 at SJCIT, Chickballapur, Apr. 18 - 19, 2024
50. IEEE 3rd International Conference on Knowledge Engineering and Communication Systems ICKECS-2025 at SJCIT, Chickballapur, April 23 - 24, 2025

**Expert
/Invited
Lectures
Delivered**

1. Lecture on “Unix & Shell Programming” at Infosys on 24th Mar 2004
2. Lecture on “Artificial Neural Networks” at workshop RACT 2004, 2–13th of Aug 2004. AICTE & ISTE Sponsored, BMSCE
3. Lecture on “RDBMS & SQL, UNIX & Shell Programming” for WIPRO Trainees at BMSCE, 2006.
4. Lecture on “RDBMS & SQL” for Infosys Trainees at BMSCE, 2007.
5. Counselor for IGNOU Courses of BCA and MCA degrees.
6. Lecture on “Data Structures & C” (Special training for SC/ST candidates), at BEL, Bangalore
7. Lecture on “Web Mining and Its Applications to Business Intelligence” at 2-weeks Workshop on Exploring Business Intelligence (ISTE Sponsored), 13-24 Aug 2007 at BMSCE, Bangalore
8. Invited talk on “Fundamentals and Research Avenues in Artificial Neural Networks” at National Conference on Recent Trends in Computers, Communication, and IT (RCCIT09), 17–18th of April 2009, M S Engg College, Bangalore
9. Lecture on “Introduction to CG, 2D Viewing and Clipping Algorithms” , at 4-days workshop on Computer Graphics and Visualization”, at RNSIT, Bangalore 28th – 31st Jan 2009
10. Lecture on “Introduction to Programming the Web” , at 4-days workshop on programming the web and s/w architecture”, at RNSIT, Bangalore 27th – 30th July 2009
11. Lecture on “Computer Graphics, 2D Viewing and Clipping Algorithms” , at SEA College of Engineering, Bangalore
12. Lecture on Database Management Systems, KIT, Tiptur
13. Lecture on “Artificial Intelligence and Its Applications” at RR College of Engineering, Kengeri, Mysore Road, on 24-03-10
14. Lecture on “Artificial Intelligence and Its Applications” at RNSIT, March 2010
15. Invited talk on “Neural Information Processing Systems” at National Conference on Information Processing and Networks, 22 Dec 2010, at Acharya Inst of Tech, Blore
16. Lecture on “Fundamentals of Digital Computer and DOS with introduction to H/W trouble shooting and Networking” , at 4-days Workshop on HARDWARE Trouble Shooting AND NETWORKING, July 5-8, 2010
17. Talk/presentation on “Innovative Approaches/Methodologies for handling Practical Classes” at RNSIT for faculty during Feb 2011
18. Lecture delivered on Semantic Web and Its Applications, VTU & VGST Sponsored 5-days FDP on Research Opportunities and Challenges in Mining Web Contents, Mar 13, 2012, SJCE, Mysore
19. Lecture delivered on Web Mining and Business Intelligence, VTU & VGST Sponsored 3-days FDP on Data Warehousing and Mining, Feb 23, 2012, T. John IT, Bangalore
20. Invited talk on “Virtualization and Cloud Computing” at International Conference on Cloud Computing and Service Engineering (CLUSE-2012), April 11, 2012, RRCE, Bangalore, in association with KINGSTON University, London, UK
21. Lecture on “Structural Testing/ White Box Testing – Path testing” at FDP on Software Testing, RNSIT, Bangalore, 21/01/2013
22. Lecture on “Attributes of an Expert Teacher for Effective Teaching”, RNSIT, Bangalore, 2nd Feb 2013
23. Delivered talk on “Context Free Grammars” in FDP conducted by Vivekananda Institute of Technology, Bangalore during 22-24th, August, 2012.
24. Delivered talk on “Lex Programming” in 2 day FDP program on SS & OS lab conducted by departments of CSE & ISE during July 30-31, 2012 at RNSIT
25. Talk on “How to Strengthen Fundamentals in Subjects’ Knowledge”, RNSIT, Bangalore, 11th Mar 2014
26. Keynote Address on “**Multimedia Signal Processing & CBIR**” at National Conference on Networking, Image processing, and Multimedia NaCoNIM-2014, KSIT, Bangalore, 5th April 2014
27. Talk on “**Brand Building for RNSIT**”, RNSIT, 14th June 2014
28. Talk on “Strings in C, FDP on PCD at RNSIT, July 24, 2014.
29. Invited talk on “Web Data Mining and Its Applications” at **Bangalore Science Forum, National College Basavanagudi, 6th Aug 2014**
30. Lecture on “AI and Agent Systems” at EWIT, Bangalore, 12th April 2015
31. Talk on “An Insight into Accreditation @ RNSIT”, at RNSIT, Mar 9, 2015
32. Expert Lecture on “Cloud Computing” at Dr. SSMCE, Nelamangala, Feb 25, 2015
33. Lecture on “**AI and Agent Systems**” at EWIT, Bangalore, 16th May 2016
34. Talk on “**How to Lead Happy Successful Life**”, at RNSIT, April 12, 2016
35. Invited talk on “**Association Analysis**”, FDP on Knowledge Discovery and Applications at SJBIT, 20th Jan 2016,
36. Invited talk on “**Writing Effective Assessment Questions**” at National Level TEQIP Sponsored workshop, Govt. SKSJIT, Bengaluru, April 05, 2016
37. Keynote Speech on “**Emerging Trends and Advances in Information Technology**”, National Conference on Emerging Trends and Advances in Information Technology - organized by CSE Dept., Adichunchanagiri Institute of Technology, Chikkamagaluru, 7th April 2017

38. “ **How to enhance the Quality of Education @ RNSIT**”, at RNSIT, Sep 10, 2016
39. “**Academic Audit @ RNSIT- Pros and Cons**”, at RNSIT, Feb 11, 2017
40. “**Roles and Responsibilities of FACULTY Members @ RNSIT**”, at RNSIT, July 5, 2017
41. “**Disciplinary Revisited - Roles and Responsibilities of FACULTY Members @ RNSIT**”, July 5, 2017
42. “**Introduction to Database Concepts, Data Models, Database design, ER Modeling, Relational Data Model, Relational Algebra, Example Queries**”, at 2-Day FDP on Database Application Development, RNSIT, August 2-3, 2017
43. “**NAAC Requirements @ RNSIT**”, Sep 21, 2017
44. “**An Insight into bloom’s taxonomy CO-PO mapping with case studies**”, at RNSIT, Nov 18, 2017
45. “**Academic Audit – Research Experience @ RNSIT**”, at RNSIT, Feb 2, 2018
46. “**Bloom’s Taxonomy For Teachers – An analogy**”, at RNSIT, Mar 12, 2018
47. Inaugural talk on “**Introduction to Programming Python**”, FDP for faculty members of ECE and MCA departments - organized by ECE and MCA Depts., RNS Institute of Technology, Bengaluru, 18th June 2018
48. “**NBA Requirements and Mock NBA @ Alva’s College of Engineering, Moodbidri**”, Apr 21, 2019
49. “**An insight into Bloom’s Taxonomy, CO-PO mapping and Attainment**” at Reva University Mar 18, 2019
50. Inaugural talk on “**Python Programming**”, FDP for faculty members of CSE and ISE departments - organized by CSE and ISE Depts., RNS Institute of Technology, Bengaluru, 18th Feb 2019
51. Technical talk on “Machine Learning”, Oct 23, 2019, 11.00-12.30pm at VVCE, Mysuru
52. Member, Panel Discussion on “ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣದ ಸುತ್ತ ಮುತ್ತ – ಸಂವಿಧಾನ”, Feb 29, 2020 between 2-4pm, 33rd Karnataka state CSI Student Convention, Feb 28-29, 2020, DSATM, Bengaluru
53. Technical/Invited Talk on “Design of Sample Survey and Data Collection”, Feb 13, 2020, 10.00 to 11.30am, two-day workshop on 'Research Methodology', Feb 13-14, 2020, at Cambridge Institute of Technology - North Campus, Bengaluru
54. Panel Discussion On “THE FUTURE AND PROMISE OF ARTIFICIAL INTELLIGENCE”, INDIAN INSTITUTE OF SCIENCE, Bengaluru, 28 FEBRUARY 2020 @ 3:30 PM
55. Talk on “Discipline”, July 29, 2019, RNSIT, Bengaluru
56. Introductory Talk on “ MATLAB Programming Basics”, FDP on MATLAB, July 25-27, 2019, RNSIT, Bengaluru
57. Keynote Speaker, Workshop on “**Outcome based Education and Accreditation Process**”, RYMEC, Bellary, Feb 22, 2020
58. Keynote Speech on “Applications of AI and ML in Product Development”, ATAL FDP at ME Dept, SJCIT, 21/03/2021
59. **Expert talk on “6G and Beyond: The Future of Wireless Communications Systems**”, AICTE-ISTE Sponsored FDP @ KSIT, B’lore, 25-05-2021
60. Talk on “Academic Quality Improvement and Disciplinary - Revisited”, Roles and Responsibilities of FACULTY Members @ SJCIT, Staff Council Meeting , 01-10-2021
61. , Speech on “An Insight into bloom’s taxonomy with case studies”, SJCIT, 4/12/2021 and 27/12/2021
62. The Design and Analysis of Algorithms, Reva University, 16/12/2022
63. Talk on “ Knowledge Representation and Logical Reasoning”, 3-days FDP on AI & ML, Organized by CSE and ISE Departments, SJCIT, Sept 20-22, 2021
64. Keynote speech on “**Role of HEIs in Achieving Sustainable Development Goals**”, 23rd ISTE Karnataka State Faculty Convention, 31st Dr. L S Chandrakanth Memorial Lecture, @ Sri Sairam College of Engineering on 21st July 2022
65. Expert Lecture on “**Logical Agents and First Order Logic**”, 3-days FDP on Artificial Intelligence and Its Applications, , *Organized by Departments of AI&ML, AI&DS, and CSD, SJCIT, May 6-8, 2024*

**Papers
Presented /
Published**

1. "Knowledge Discovery from Web Usage Data: Extraction of Sequential patterns through ART1 neural network based clustering algorithm", G T Raju, Kunal, P S Satyanarayana, Presented & published in IEEE International Conference on Computational Intelligence and Multimedia Applications (ICCIMA07), held during 13-15th December 2007 at Sivakasi, India
2. "Knowledge Discovery from Web Usage Data: a Complete Preprocessing Methodology", G T Raju, Dr. P S Satyanarayana, Published in IJCSNS International Journal of Computer Science and Network Security, ISSN : 1738-7906, Vol.8, No.1, Jan 2008 issue
3. "Knowledge Discovery from Web Usage Data: a Novel Approach for Prefetching of Web Pages based on ART Neural Network Clustering Algorithm", G T Raju, Dr. P S Satyanarayana, published in International Journal on Innovative Computing, Information and Control (IJICIC) ISSN 1349-4198, Japan, published in Vol. 4, No. 3, June 2008 issue
4. "Knowledge Discovery from Web Usage Data: Extraction and applications of sequential & clustering patterns - A Survey", G T Raju, Dr. P S Satyanarayana, Dr. L M Patnaik published in International Journal on Innovative Computing, Information and Control (IJICIC) ISSN 1349-4198, Japan, published in Vol. 4, No. 2, April 2008 issue
5. "Knowledge Discovery from Web Usage Data: Extraction and Applications of Sequential Patterns", G T Raju, Kunal, P S Satyanarayana, L M Patnaik, Presented & published in the proceedings of IEEE International Conference on Signal and Image Processing, held during 7-9th December 2006 at BVBCET, Hubli, Karnataka, India
6. "Knowledge Discovery from Web Usage data – Survey", G T Raju, Dr. P S Satyanarayana, Dr. L M Patnaik, Published & Presented in the International Conference on Innovative Applications of Information Technology for Developing World (Asian Applied Computing Conference- AACC 2005) held on 10-12th December 2005 at Kathmandu, Nepal
7. "ART Neural Network based Clustering Agent for User Access Patterns", G T Raju, Dr. Suresh Khandige in the Proceedings of IASTED International Conference on Computational Intelligence(CI 2005), held at Calgary, CANADA, July 4-6 2005.
8. "Neural Network Approaches for Knowledge Discovery from WWW Transactions", G T Raju, Dr. Suresh Khandige, In the proceedings of National Seminar on Emerging Trends in Soft Computing based Artificial Intelligence, held at MBMEC, JNV University, Jodhpur, 27-29th Feb 2004.
9. "Knowledge Discovery from Web Usage data using SOM Neural Network" , G T Raju, Dr. Suresh Khandige, In the proceedings of National conference on Data mining , held at KCT,Coimbatore,3-4th Dec 2004.
10. " Neural Network based Agents for Knowledge Discovery from WWW Transactions" ,G T Raju, Dr. Suresh Khandige in the Proceedings of the International Conference on Software Agents held at BIET, Davanagere, 5-6 Sep 2003.
11. "Agent Based Knowledge Discovery from WWW Transactions" G T Raju, Dr. Suresh Khandige in the Proceedings of National Conference on Software Agents & ES held at SREC, Coimbatore. 11-12 July 2003.
12. "A Middleware for distributed System in heterogeneous Wireless Networks" G T Raju, Gowrishankar, Dr. Suresh Khandige, in the proceedings of IEEE International Conference on Parallel and Distributed Systems(ICPADS) held at Fakuoka, Japan , 18-20 July 2005.
13. "Performability Model of Vertical handoff in Wireless Data Networks", Gowrishankar, Raju.G.T Ramesh Babu.H.S, , Satyanarayana P.S., 4th IEEE International Conference on Wireless and Mobile Communication (ICWMC2008), July27-August 1, 2008, Athens, Greece
14. "Quality Analysis of Web Applications through Customer Feedback", Mrs. Poornima Nataraj, Dr. G T Raju, UGC Sponsored State Level Seminar on "New Frontiers in the development of Science and Technology", 16-17 April 2009, BMSCW, Bangalore
15. "A DBScan Algorithm for Discovering Clusters in Large Spatial Databases with Noise", Mrs. Sandhya G, Dr. G T Raju, Adarsh Y V, Sreeja H, National Conference on Recent Trends in Computers, Communication, and IT (RCCiT09), 17-18th of April 2009, M S Engg College, Bangalore
16. Dr.G.T.Raju and Dr.M.V.Sudhamani "RBIR from databases using color and enhanced indexing technique ", 2nd International Conference (ICMCBIR-2010), PESIT, Bangalore, July 21-23, 2010.
17. "Multiprotocol Communication for mobile devices". G.T.Raju and R. Nagaraja, IET International conference on next generation networks, Sept 2010.
18. "Types of attacks and Intrusion Detection Systems for Wireless Sensor Networks", Ashwini K.B and Dr.G.T.Raju, CTAC April-2010, International
19. "Light framework for mobile devices applications", R.Nagaraja and Dr G.T.Raju, MOWITS, 2009.

**Papers
Presented /
Published**

20. "Fingerprint authentication scheme in wireless sensor networks", International Conference on Security Technology (SecTech 2010), LNCS, Springer Verlag to be held on December 13-15, 2010.
21. "Learning the E-way in India-Making a Business Strategy "Dr.G.T.Raju and Poornima Natraj, Universiti Sains Malaysia, ICEL 2010,July 12-13,2010.
22. "E-Learning discrimination in India-A business model", ICBDE, July 22-24, 2010, Bangalore.
23. "E-Learning coming of age-a survey", Dr.G.T.Raju and Poornima, ICSE 2010, Bangalore.
24. "SCA-Based Dynamic Lightweight Platform for Mobile Devices", , Dr. G T Raju, R Nagaraja, IEEE International Conference on Computational Intelligence and Computing Research (ICCIC, 2010 IEEE), pp:307-312, 28-29th Dec 2010, Best paper award, Coimbatore, India
25. "Enhanced Fingerprint Authentication Technique for Wireless Sensor Network", Dr. G T Raju, Ambika N, International Journal on Computer Science, pages:1-6, Volume 1, Issue 1, April 2011
26. "TMW - Time-Endorsement by Mobile Agent in Wireless Sensor Network," Dr. G T Raju, Ambika N, International Journal of ACM Jordan, Vol 2, Issue 3, pages:114-118, 2011
27. "A Novel Approach for Extraction of Cluster Patterns from Web Usage Data and its Performance Analysis", Dr. G T Raju, Dr. M V Sudhamani, ICETECT-2011, IEEE DIGITAL LIBRARY Print ISBN 978-1-4244-7923-8,pages 718 – 723, INSPEC Accession Number 11973847, Dated 2nd May 2011.
28. "SCA - Based Multiprotocol Communication for Mobile Devices", Dr. G T Raju, R Nagaraja, ICETECT-2011, IEEE DIGITAL LIBRARY Print ISBN 978-1-4244-7923-8, INSPEC Accession Number 11973847, Dated 2nd May 2011.
29. "COMMPC – Component based Middleware for Pervasive Computing", Dr. G T Raju, R Nagaraja in IJCSNS International Journal of Computer Science and Network Security, Vol 11, No.9, page 124 -131, Sep 2011
30. "COSMPC – COSMOS based Middleware for Pervasive Computing", in International Journal of Computing, Dr. G T Raju, R Nagaraja, Vol 3, No 10, page 9 - 15 October 2011.
31. "Knowledge Discovery from Web Data for Increased Performance of Web Retrieval Process: A Survey", Dr. G T Raju, Mrs. Thulase M B, in proceedings of International Conference on Data Engineering and Communications Systems ICDECS –2011 Pages 178-183, Vol: 1, , Dec 30-31 2011
32. "Data Mining in Bioinformatics and Its Applications: A Survey", Dr. G T Raju, Mrs. Chayadevi L, in proceedings of International Conference on Data Engineering and Communications Systems ICDECS-2011, Pages 115-123, Vol: 1, Dec 30-31 2011
33. "Humans Vs Computers: Appraising Student Preference in a Blended Learning Environment by Quantizing Qualitative Feedback Using RIDIT Analysis" Dr. G T Raju, Mrs. Poornima N, in proceedings of International Conference on Data Engineering and Communications Systems ICDECS- 2011, Pages 66-72, Vol: 1, Dec 30-31 2011
34. "Performance and Space Optimization Techniques for FAT File System for Embedded Storage Devices", Dr. G T Raju, Mr. Keshava M in proceedings of International Conference on Data Engineering and Communications Systems ICDECS-2011, Pages 56-65, Vol: 1, Dec 30-31 2011
35. "A Comparison Between Different Approaches for Application Adaptation in Mobile Devices", Dr. G T Raju, Prakasha S in proceedings of International Conference on Data Engineering and Communications Systems ICDECS-2011, Pages 17-22, Vol: 1, Dec 30-31 2011
36. "Software performance engineering practice – A survey ", Dr. G T Raju, Suneetha H A, in proceedings of International Conference on Frontiers of Computer Science- ICFoCS-2011, 7-9th AUG, 2011
37. "Classification and Clusters Extraction from bacterial images using statistical and neural network approaches", International Journal of Computer Engineering and Technology (IJCET), ISSN 0976-6375, Vol 3, July-Sept 2012, pp 288-296
38. "Bacterial Classification and Clustering through Morphological Features Extraction", National Conference on Bioinformatics, held on 30-31st July 2012 at IIT-Delhi, abstract has been published in Proceedings of abstracts of IIT-Delhi and has received Best Poster Presentation Award.
39. "Extraction of Bacterial Clusters from Digital Microscopic Images through Statistical and Neural Network Approaches", International Conference on Advances in Computing, ICAdC 2012, at MSRIT, Bangalore, on 4-6th July , 2012 , Published in "Advances in Intelligent and Soft Computing" series, Springer
40. "An Algorithmic Framework for Re-Organizing the Website using Splay and Heap Tree Structures", International Conference on Advanced Computer Theory and Engineering (ICACTE), held on 2nd September 2012 at Bangalore published in *International Journal on Advanced Computer Theory and Engineering (IJACTE)*, ISSN (Print) : 2319–2526, Volume 1, Issue-1, 2012\
41. "FFSB and IO-zone : File system Bench-marking tools, features and Internals", Embedded Linux Conference Europe(ELCE-2012) , Barcelona, Spain. November 2012

**Papers
Presented /
Published**

42. "Cluster Allocation strategies of the ExFAT and FAT file systems: A comparative study in embedded storage systems", International conference on Advances in computing (ICADC). July 2012, Bangalore, India, published in "Advances in intelligent and Soft Computing" series, Springer publications, Germany
43. "A Survey on various architectures, models, and methodologies for Information Retrieval", International Journal of Computer Engineering and Technology (IJCET), IAEME, Jan-Feb 2013, Volume 4, issue 1, ISSN(Print): 0976-6367, ISSN: 0976-6375, pp- 182-194, IF:6.1302
44. "Performance Analysis of Query Processing Technique in Information Retrieval", accepted for publication in Second International Conference on Advances in Computer Science and Applications -, CSA 2013
45. "Performance Analysis and Compiler Optimizations for MPI/OpenMP Applications in (IJACSA) *International Journal of Advanced Computer Science and Applications, Vol. 04, No. 6 -June, 2013*
46. *Quantitative Influence of HCI Characteristics in a Blended Learning System*, Educ Inf Technol DOI 10.1007/s10639-012-9191-2. **Indexed In** SCOPUS, ACM Computing Review, ACM Digital Library, SCImago, ERIH, Computer Science Index, Communications Abstracts, Google Scholar, 2012
47. *Green Learning: Appraising Power Consumption for WBL Environment*, International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 1, January- 2013, ISSN: 2278-018. **Indexed In** DOAJ, EBSCO, Google Scholar, Scientific Commons, CiteSeerX, Index Copernicus, 2013.
48. *Early Detection and Clustering of Lung Cancer in X-Ray Images through Fuzzy - ART Neural Network*, International Journal of Information Organization, Volume 3, Issue 4, December, 2013, Pages 181-189
49. "The Role of an Information Retrieval In the current era of vast computer science stream" in International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Vol-3, Issue-3, July 2013.
50. "Clustering of Text Document based on ASBO", WULFENIA International Journal, ISSN 0976-6375, Vol 20, no.6, June 2013, pp 152-165.
51. "Query Processing Along With Query Clustering Analysis in Information Retrieval. Elsevier, International Conference ERCICA-2013 held on 2-3rd, August 2013, Bangalore
52. "Extending Network Lifetime by Time-Constrained Data Aggregation in Wireless Sensor Networks." Intelligent Computing, Networking, and Informatics. Springer India, Advances in Intelligent Systems and Computing Volume 243, 2014, pp 11-16, Proceedings of the International Conference on Advanced Computing, Networking, and Informatics, India, June 2013
53. "PDMWSN: A Probable Approach to Detect Malicious Node in Wireless Sensor Network", Emerging Research in Electronics, Computer Science and Technology, Lecture Notes in Electrical Engineering, Springer, Volume 248, 2014, pp 255-262
54. "Quantitative influence of HCI characteristics in a blended learning system" International Journal on Education and Information Technologies, Springer, Dec 2013, Volume 18, Issue 4, pp 687-699
55. "Green Learning: Appraising Power Consumption for WBL Environment." International Journal of Engineering 2, no. 1 (2013).
56. "DRMWSN-Detecting Replica Nodes Using Multiple Identities in Wireless Sensor Network, International Journal of Quality, Reliability, Security and Robustness in Heterogeneous Networks", Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Springer, Volume 115, 2013, pp 866-878
57. "Directory Compaction Techniques for Space Optimizations in ExFAT and FAT File Systems for Embedded Storage Devices", International Journal of Computer Science Issues (IJCSI) 11, no. 1, 2014.
58. "Adapting Endurance and Performance Optimization Strategies of ExFAT file system to FAT file system for embedded storage devices", International Journal of Engineering & Technology (0975-4024) 6, no. 1, 2014.
59. "A Novel ART1NN Clustering and Pre-fetching Technique for Reducing Web Latency." In Computational Intelligence and Communication Networks (CICN), 2013 5th International Conference on, pp. 327-330. IEEE, 2013.
60. "Pre-fetching techniques for effective web latency reduction—A survey." In AFRICON, 2013, pp. 1-6. IEEE, 2013.
61. "Clustering of Preprocessed Web Usage Data Using ART1 Neural Network and Comparative Analysis of ART1, K-means and SOM Clustering Techniques", International Journal on Engineering and Technology, Vol 5 No 2 Apr-May 2013
62. "Automated detection of cancer tissues in mammograms using advanced K-Means clustering with homomorphic filtering." In International conference on Circuits, Controls and Communications (CCUBE), 2013, pp. 1-4. IEEE, 2013

63. "Usage of ART for Automatic Malaria Parasite Identification Based on Fractal Features", International Journal of Video and Image Process and Network Security (IJVIPNS), ISSN: 2227-2755, eISSN: 2077-1207, vol. 14, issue 4, Aug 2014. Indexed by SCOPUS (Elsevier).
64. "Automated Segmentation of Malaria Parasite with Fuzzy and Fractal methods ", Smart Innovation, Systems and Technologies", ISSN: 2190-3018, Aug 2014, Springer-Verlag, SPRINGER, SCOPUS(Elsevier).
65. "Segmentation and Classification of Tuberculosis Bacteria from Digital Microscopic images: A Novel Approach using ARTNN", International Journal of Innovative Computing, Information and Control (IJICIC), ISSN: 1349-4198 on 9th April 2014. Indexed by Ei Compendex (Elsevier), SCOPUS (Elsevier), INSPEC (IET), Open Access Journal.
66. "Automated Segmentation of Malaria Parasite with Fuzzy and Fractal methods", Lecturer Notes in Computer Science, Springer-Verlag, SPRINGER, SCOPUS(Elsevier), Aug 2014.
67. "Effective Web access latency reduction through Clustering, Prefetching and Caching", Published at IJECS, Aug 2014
68. "Design and Implementation of Log Structured FAT and ExFAT File Systems", International Journal of Engineering and Technology (IJET), ISSN: 0975-4024, Pages 1708-1727, Volume 6, Issue 4, August-September 2014
69. "Methodologies for Geotagging in FAT and ExFAT File Systems for Smart Phones ", International Journal of Computer Applications (IJCA), ISSN: 0975 – 8887, Pages 7-14, Volume 92, Number 2, April 2014.
70. "Evaluation of File Systems for Solid State Drives", 2nd International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) , Elsevier, August -2014 .
71. "Characterization of Transaction-Safe Cluster Allocation Strategies of TexFAT File System for Embedded Storage Devices", International Conference on Computational Intelligence in Data Mining (ICCIDM), in Proceedings of Smart Innovation , Systems and Technologies, Springer, December 2014
72. "SISE:Structured Intelligence Search Engine", ERCICA 2014, 2nd International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) , Elsevier, August -2014
73. "An Analysis fault Tolerance and Quality aware Aggregation in WSN", IJCTA, Vol 5, Issue 2, April-2014,
74. "A Novel approach for Query suggestions using Query and Document Clustering", Published at IJET Scopus Indexed Journal,
75. "CSA : Cloud Based Social Application", International Journal of Scientific Engineering and Applied Science (IJSEAS) - Volume-1, Issue-3, pp339-341, June 2015
76. "Avoidance techniques for Snowball effect of Wandering Tree in Flash Memory based File Systems", Dec 2015,
77. "Avoidance techniques for Snowball effect of Wandering Tree in Flash Memory based File Systems", International Journal of Applied Engineering Research (IJAER), pp.120-124, Vol 10, No. 86, Dec 2015
78. "Pre-fetching of Web Pages Based on Clustering Patterns to Reduce Web Latency", International Journal of Applied Engineering Research (IJAER), pp.140-145, Vol 10, No. 86, Dec 2015
79. "An Effective PRDG based Prefetching with Web Caching for Reducing the Web Latency" , International Journal of Applied Engineering Research (IJAER), pp.194-205, Vol 10, No. 86, Dec 2015
80. "A Novel Prefetching Technique using Frequent Sequential Patterns", International Journal of Applied Engineering Research (IJAER), pp.218-224, Vol 10, No. 86, Dec 2015
81. "Web Personalization through Web User Behavioral Patterns - A Survey" , International Journal of Applied Engineering Research (IJAER), pp.218-224, Vol 10, No. 86, Dec 2015, pp.225-233
82. "Semantic Web with Ontology Agents for Improved Search Results - A Survey" , International Journal of Applied Engineering Research (IJAER), pp.218-224, Vol 10, No. 86, Dec 2015
83. "A Survey on Job Schedulers of MapReduce", International Journal of Applied Engineering Research (IJAER), pp.275-281, Vol 10, No. 86, Dec 2015
84. "Parallel Scheduling, Sequencing and Synchronization Techniques for DNA Sequence Alignment Using Smith Waterman Algorithm", International Journal of Applied Engineering Research (IJAER), pp.286-294, Vol 10, No. 86, Dec 2015
85. "Automated Diagnosis System for Lung Cancer Detection (ADSLCD) Through Adaptive Neuro-Fuzzy Inference Approaches – A Survey", International Journal of Applied Engineering Research (IJAER), pp.405-409, Vol 10, No. 86, Dec 2015
86. "Mobile Sink for Energy Efficient Routing in Wireless Sensor Networks", International Journal of Applied Engineering Research (IJAER), pp.487-490, Vol 10, No. 86, Dec 2015

87. "Segmentation Quality Enhancement through Clustering for Early Detection of Breast Cancer", International Journal of Applied Engineering Research (IJAER), pp.373-381, Vol 10, No. 86, Dec 2015
88. "3D Documentation of Cultural Heritage site using Terrestrial Laser Scanning", International Journal of Applied Engineering Research (IJAER), pp.399-404, Vol 10, No. 86, Dec 2015
89. "Cluster optimization in information retrieval using self-exploration-based PSO", International Journal of Intelligent Engineering Informatics, IJIEI 4(1): 91-115 (2016), Feb 2016
90. An Approach for Privacy Preserving and Multi-Sharing Control using Proxy Re-encryption in Big Data Storage Services, International Journal of Engineering and Technology, Vol 3, Issue 5, May 2016
91. "Geo-Social K-cover Group Queries for Collaborative Activity Planning", International Conference on Computer Science, Software, Networking and Information Technology, May 2016, Best Paper Award
92. "Deduplicatable dynamic proof of Storage for Multi-User Environments", National Conference on VLSI, Communication and Signal Processing-2017, May 16-17, 2017
93. "Survey On Web Object Retrieval Techniques", International Journal of Computer Science, Information Technology, & Security (IJCSITS), Volume 7, Number 1, Jan-Feb 2017, Scopus Indexed
94. "Survey On Web Query Optimization Trends and Future Research", International Conference on Advanced Material Technologies (ICAMT)-2016, Dadi Institute of Engineering and Technology (DIET), Visakhapatnam, Andhra Pradesh, India, Dec 27-28, 2016
95. "Generating Concept based User Profiles for Web Personalization", International Conference on Advanced Material Technologies (ICAMT)-2016, Dadi Institute of Engineering and Technology (DIET), Visakhapatnam, Andhra Pradesh, India, Dec 27-28, 2016
96. "Hybrid Architecture for Rule Based Automated Decision Support in Healthcare", IEEE International Conference on Telecommunication, Power Analysis & Computing Techniques (ICTPACT-2017), ISSN NO : 978-1-5090-3381-2, Chennai, April 6-8, 2017
97. "Effective Ranking Functions for Web Object Retrieval", IEEE International Conference on Telecommunication, Power Analysis & Computing Techniques (ICTPACT-2017), ISSN NO : 978-1-5090-3381-2, Chennai, April 6-8, 2017
98. "Efficient Estimation of Result Selectivity for Web Query Optimization", International Journal of Pure and Applied Mathematics (IJPAM), Scopus Indexed Journal. Volume 117 No. 7 2017, 193-205, ISSN: 1311-8080 (printed version); ISSN:1314-3395(on-line version).
99. "Effective Cost Models for Web Query Optimization", International Journal of Pure and Applied Mathematics (IJPAM), Scopus indexed Journal. Volume 117 No. 20 2017, 727-739 , ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version).
100. "Novel Approach for Lung Image Segmentation through Enhanced Fuzzy C-Means Algorithm", International Journal of Pure and Applied Mathematics Volume 117 Issue No. 21, Pages 455-465, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), Dec 2017, scopus indexed
101. "Preprocessing of Lung Images with a Novel Image Denoising Technique for Enhancing the Quality and Performance", Springer International Conference on Computational Vision and Bio Inspired Computing , published as Book Chapter in Computational Vision and Bio Inspired Computing, Lecture Notes in Computational Vision and Biomechanics book series (LNCVB), volume 28, pp 335-348, Print ISBN 978-3-319-71766-1, Springer, Cham, Feb 2018, **Book Chapter**
102. "Medical Diagnosis Guidance Using Semantic Web", International Conference On Computational Vision and Bio Inspired Computing (ICCVBIC) 2017, Indexed in SCOPUS, Google Scholar and SpringerLink, conference will be conducted during 21-22 September, 2017 at Coimbatore, ISSN: 2212- 9391
103. "Efficient makespan model for Hadoop mapReduce framework for provisioning bioinformatics Application", International Conference On Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)-2018 IEEE Explore Digital Library, during 28th & 29th 2018 at Vellore , Tamilnadu
104. "Geographical Labeling of Web Objects Through Density Estimator Model", International Conference on Computation Methodologies and Communication (ICCMC 2017), organized by Surya Engineering College during July 18-19, 2017, at Erode, Tamil Nadu

105. Detection and Prevention of Malicious Activities in Wireless Sensor Networks for improved QoS - A Survey, International Conference on Green Computing and Internet of Things (ICGCIoT 2018), IEEE Xplore Digital Library, IEEE Reord No.: #44090, August 2018
106. Cross Layer and Management plane integration approach for Detection and Prevention of Malicious Activities in WSN, IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques ICEECCOT-2018), GSSSIT, Mysore, 14-15th Dec-2018
107. Data Prefetching for Heterogeneous Hadoop Cluster, IEEE 2019, International Conference on Advanced Computing & Communication Systems (ICACCS) on 15th -16th , March 2019
108. Dynamic Load Balancing Algorithm for Heterogeneous Hadoop Cluster, First International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering (ICATIECE-2019) on 19th - 20th , March 2019 AT DSATM, Bangalore
109. Node performance load balancing algorithm for Hadoop cluster, 2nd International Conference on Intelligent Sustainable Systems (ICISS 2019) on February 21-22, 2019 by SCAD Institute of Technology, Palladam, Tamil Nadu
110. D. C. VINUTHA and G. T. RAJU, "Evolutionary Approach based Scheduler for Speculative Task Execution," 2019 1st IEEE International Conference on Advances in Information Technology (ICAIT), Chikmagalur, India, July 2019, pp. 485-490, doi: 10.1109/ICAIT47043.2019.8987236, IEEE Xplore, Feb 2020
111. D. C. Vinutha and G. T. Raju, "Network Traffic Optimization in Hadoop MapReduce through Pre-shuffling," 2019 IEEE International Conference on Communication and Electronics Systems (ICES), Coimbatore, India, 2019, pp. 1-5, doi: 10.1109/ICES45898.2019.9002560, IEEE Xplore, Feb 2020.
112. D. C. Vinutha and G. T. Raju, "Node Performance Load Balancing Algorithm for Hadoop Cluster," 2019 International Conference on Intelligent Sustainable Systems (ICISS), Palladam, Tamilnadu, India, 2019, pp. 468-473, doi: 10.1109/ISS1.2019.8908022, IEEE Xplore, Nov 2019
113. Priyanka C Hiremath, G T Raju, "Recommender System for Geo-Social Access Control Framework", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 685-690, December 2019, ISSN: 2278-3075, Scopus
114. Monika P, G T Raju, "Integration of Healthcare domain Ontologies using Bayesian Networks", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 46-52, December 2019, ISSN: 2278-3075, Scopus
115. Shashidhara H R, Sanjay P K, G T Raju, Vinayaka Murthy, "Effective Cost Models for Predicting Web Query Execution Cost", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 213-218, December 2019, ISSN: 2278-3075, Scopus
116. Monika P., G. T. Raju, "Integration of Healthcare Ontologies at Schema Level using Customized Metadata", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 320-325, December 2019, ISSN: 2278-3075, Scopus
117. Vidya Y., G. T. Raju, "Early Detection of Depression in Women using Machine Learning Methods", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 352-358, December 2019, ISSN: 2278-3075, Scopus
118. Ramesh K V, G T Raju, "Cloud Security: Inter-Host Docker Container Communication using Vault Dynamic Secrets", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 395-401, December 2019, ISSN: 2278-3075, Scopus
119. Manjula L, G T Raju, "Early Detection of Diabetic Retinopathy through Machine Learning Techniques", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 444-447, December 2019, ISSN: 2278-3075, Scopus
120. Shrinivas Biradar, G. T. Raju, "Web Objects Opinion through Sentiment Engineering", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 473- 476, December 2019, ISSN: 2278-3075, Scopus
121. Devaraju B. M., Raju G. T., "Cross-layer Planes Framework for Detection of Malicious Nodes in WSN", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 502-509, December 2019, ISSN: 2278-3075, Scopus
122. S. Mamatha Jajur, Soumya N. G., G. T. Raju, "Crop Recommendation using Machine Learning Techniques", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 658-661, December 2019, ISSN: 2278-3075, Scopus
123. D C Vinutha, G T Raju, "Task Selection for Scheduling using Hadoop Scheduler", In the proceedings of 3rd International Conference on Data Engineering and Communication Systems ICDECS-2019, Dec 19-20, 2019, RNSIT, Bengaluru, International Journal of Innovative Technology and Exploring, Volume-9 Issue-2S, pp 708-710, December 2019, ISSN: 2278-3075, Scopus
124. Priyanka C Hiremath, G T Raju, "Novel Approaches for Access Level Modelling of Employees in an Organization Through Machine Learning", International Journal of Advanced Computer Science & Applications, 2024, Vol 15, Issue 4, p84

125. Priyanka C Hiremath; Raju G T, "Trust-Based Geo-Social Access Control Framework: Employee Management through Machine learning Techniques", 2023 International Conference on Electrical, Communication and Computer Engineering (ICECCE), **IEEE Xplore.**, Feb 2024, DOI: 10.1109/ICECCE61019.2023.10442523, 2024
126. P. C. Hiremath, R. G T, M. P, C. Kulkarni and V. Bhuvan M R, "Performance Evaluation of ML Techniques for Trust-Based Employee Behavioural Classification for Access Control in Organizations," 2022 *International Conference on Knowledge Engineering and Communication Systems (ICKES)*, Chickballapur, India, 2022, pp. 1-7, doi: 10.1109/ICKECS56523.2022.10060527.
127. P. C. Hiremath and G. T. Raju, "Analogy of Trust Models for Information Security," 2020 *Third International Conference on Multimedia Processing, Communication & Information Technology (MPCIT)*, Shivamogga, India, 2020, pp. 146-151, doi: 10.1109/MPCIT51588.2020.9350428.
128. Devaraju B M, G T Raju, Sinchana M.N "Network Attacks Detection Using ID3 Machine Learning Approach", *International Journal of Communication and Networking System (IJCNES)*, Published in: Vol. 11 Issue 1, DOP: June 2022, DOI: 10.20894/IJCNES.103.011.001.006.
129. Shrinivas Biradar, G T Raju and Divakar K M, "Twitter Data Pre-Processing and Detection of Fake Reviews" Accepted for publication in Seybold Report Journal January 2024 edition (Volume 19 No 1), Scopus Indexed, Q3
130. Shrinivas Biradar, G T Raju and Divakar K M, "Negation Handling and Domain Generalization in Sentiment Analysis Using Machine Learning Models", IEEE International conference on Knowledge Engineering and Communication Systems, Chikkaballapur, India, 2024., Scopus Indexed.
131. G. Mamatha and G. T. Raju, "Preprocessing of Tomato leaf Images for early detection of disease," 2024 *International Conference on Knowledge Engineering and Communication Systems (ICKECS)*, Chikkaballapur, India, 2024, pp. 1-5, doi: 10.1109/ICKECS61492.2024.10616891.
132. Monika P, Raju GT, Integration of Healthcare domain Ontologies using Neuro-Fuzzy Networks. *NeuroQuantology*. 2022 Sep;20(11):8790-98. doi: 10.48047/nq.2022.20.11.NQ66874
133. K. V. Ramesh and G. T. Raju, "Pravega: Performance impact analysis with Connection Pooling," 2024 *International Conference on Knowledge Engineering and Communication Systems (ICKECS)*, Chikkaballapur, India, 2024, pp. 1-6, doi: 10.1109/ICKECS61492.2024.10617210.
134. Ramesh KV and G. T. Raju, "Distributed Streaming Storage Performance Benchmarking: Pravega and Pulsar", *Engineering, Technology & Applied Science Research*. vol. 14, no. 5, pp. 16242–16251, Oct. 2024. DOI:<https://doi.org/10.48084/etasr.8076>.
135. Vidya M, GT Raju Vinayaka Murthy S, "Review on Depression Detection Using Machine Learning Techniques", *Proceedings of 4th International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications*, Vol 873, pp 715–728, Springer Nature Singapore 2024.

Major Contributions apart from Teaching and Administration

Kalpataru Institute of Technology, Tiptur:

- Established Computer Laboratories: PARAM and PRITHVI with **AICTE grants**
- Organized 10-days workshop on RDBMS and Oracle for the first time @ KIT
- Motivated and Supervised students for doing mini-projects in RDBMS

BMS College of Engineering, Bengaluru:

- Generated a revenue of **Rs. 65 Lakhs** through IGNOU programme(MCA and BCA Courses) – StudyCentre:1325P
- Designed and developed Curriculum for CSE/ISE (Autonomous)
- Prepared NBA SAR for CSE program and got Accredited twice(2011-14)
- Established Computer Lab for I year Students with revenue generated from IGNOU programme
- Renovation of Computer laboratories for higher semester classes
- Organized more than 6 workshops/FDPs on RDBMS, C,C++ etc.,for the benefit of faculty
- Conceptualized, Proposed and Instrumental in implementing **Campus wide Networking** project under TEQIP grants

RNS Institute of Technology, Bengaluru

- Proposed and brought M.Tech Programme and R&D Centre (2008)
- Prepared NBA SAR report for CSE program and got accredited (2011-14)
- Involved and proposed various Institutional level policies
- Improved infrastructure for catering the requirements of UG(180), PG(24) and R&D(28)students
- Strengthened R&D activities and Training & Placement activities
- Established Computer Laboratories, ECLD Lab and MTech Lab
- Renovation of Computer laboratories, Seminar Hall
- Organized more than 20 workshops/FDPs for the benefit of faculty
- Organized three International Conferences – **ICDECS-2011, ICDECS-2015, ICDECS-2019**
- Delivered more than 20 technical/motivational talks for the benefit of Faculty
- Prepared a comprehensive plan for administrative block
- Delivered a comprehensive presentation to faculty members on “How to enhance the quality of education @ RNSIT”, “Roles and Responsibilities of Faculty@RNSIT”, “How to lead happy successful life”, Disciplinary Revisited - Roles and Responsibilities of FACULTY Members @ RNSIT”, “NAAC Requirements @ RNSIT”, “Academic Audit @ RNSIT- Pros and Cons”, “An Insight into bloom’s taxonomy CO-PO mapping with case studies”, “Academic Audit – Research Experience @ RNSIT”, “Bloom’s Taxonomy For Teachers – An analogy” to name a few
- Conceptualized, Developed and Maintained **On-line Teachers Appraisal System(OTAS)**
- Motivated and Supervised students for doing mini-projects (working beyond syllabus)
- Guided innovative projects for UG and PG Students (CloudOS, TimeTable generation)
- Proposed various schemes for betterment of Faculty and Students
- With a team of students and staff, Guided and implemented a software for analysis and assessment of Faculty members on various parameters – **OTAS**
- With a team of students and staff, Guided and implemented a software package for automating the operations of Karnataka State Fires and Emergency Services, Govt. of Karnataka – **IGNIS**
- With a team of students and staff, Guided and implemented a software for analysis and assessment of different skills of students at various levels – **ROSAT**
- Prepared **NAAC SSR** report for CSE program and also Criteria 6 & 7 of NAAC for the college
- Organized Training programs for students on **Oracle and Java certification** programs through Ethnotech Ltd.
- Prepared SAR of NBA for CSE Program and Coordinated the NBA activities @ RNSIT(2018-19) and got accreditation for 5 UG programs:CSE,ISE,ECE,EEE,EIE with highest marks in CSE program

Initiations and Executions – as Vice Principal

- New ID card for Staff for enhancing brand building
- Registration process for students during odd sem to enforce discipline
- Student Kit with backpack for first year students to enhance brand building
- Coordinated Induction Program and AICTE Activity Point Programme for First year students
- Coordinated counseling stall at COMED-K admissions along with other HoDs
- Coordinated to enforce discipline and control ragging at Hostel
- Coordinated monitoring of first year classes along with cycle coordinators
- Coordinated for enforcing discipline on first year students having periodical meetings with classteachers and cycle coordinators
- Coordinated along with HoDs, Principal and Director for getting NBA Accreditation to 5 UG

Programs.

- Assisted in Academic Audit process for scrutinizing the performance of faculty along with Dean, Principal and Director
- Coordinated the staff sports meet, Marathon, Parichay and other Technical events
- Assisted and executed the responsibilities assigned by Principal and Director

SJC Institute of Technology, Chickballapur (As Principal)

- **Autonomous Status** to SJCIT from 2024 for a period of 10 years
- **NBA Accreditation** for 6 UG Programs with 4 programs scoring more than 670 marks and **NAAC with A+ grade** scoring **4.32/5**
- **Mentor Institute** under AICTE Margadarshak Scheme for EWCE, MSEC, SJMIT and NSB Academy
- **Academic Performance Evaluation** Audit (Academic audit with API form, Self appraisal and PPT) for considering Annual Increment / Promotion of Teachers
- **Institution Council Meeting** – on Every Monday between 3.00 p.m. to 4.00 p.m.
- **Department Council Meeting** – Monthly twice at Departments
- **In-house Expert Lecture Series** during Internals and Vacation, BGS Lecture Series at each department, Knowledge Mastery among Peers(K-MAP) Talk on every Friday between 3.00 p.m. to 4.00 p.m. for Professors and Associate Professors by one of them only.
- **Distinguished Alumni Talk** - Knowledge and Career Enhancement Talk (KCET) on every second Saturday at each department
- **Strengthening of IQAC** – Office set up, Standardizing the quality process, Academic document formal records etc.
- Re-formation of Institution & Department level Disciplinary Committee with new guidelines
- **Standardization of Academic records**/documents templates (Lesson plan, Question banks, Assignments, Academic file, Course file & Personal file)
- **Re-defining the Vision & Mission** statements of Institute & department
- **Revised Administrative Service Rules Manual**
- Formation of various **functional Committees** for decentralization and distribution of roles and responsibilities
- **Well structured & transparent recruitment process** with 3 rounds having subject experts & VTU Nominee
- **Monitoring the progress of research scholars** having Doctoral Committee meeting every six months once
- Re-designed & Fine-tuned the **website** of the College
- Conduction of **HR conclave**
- **Promoting Students' activities** through SEED
- **Blended training model** with automated learning tool and Instructor-Led trainings along with online & offline trainings
- **Promoting BGS R&D Centre activities**, Incubation, Start-ups, MOUs, competence lab & COEs
- **Mandatory submission of research proposals** for funding by faculty members to VGST, AICTE, KSCST, DST & VTU & other funding agencies.
- Establishment of **“Chiravinuthana Kannada Sangha”** and conducting various activities along with release of annual **kannada magazine “Chiravinuthana”**
- **HR dress Code** for Students on every Wednesday & Dress code for HODs & Staff
- Introducing Shawl/**Sashes during Graduation Day** and formation of **Rank Monitoring Committee** to track toppers
- **Conduction of 2 FDPs** at each department in a year
- **Renovation** of Board room, Seminar Halls with Interactive Flat Panel Display. Changing look and feel of Entrance Portico of Admin Block
- **Creating Board room** at ISE department and **New Laboratories** at CSE, ISE, AIML, AIDS, CSD, ECE departments with 60+ machines having modern infrastructure
- **Streamlining of admission process** & Standardizing fee structure
- Appointment of **Adjunct faculty** from industries at various departments

- **First year kit** - Backpack bag with manuals, Academic calendars etc.
- **Re-defining of College brochure, magazine**, newsletters, calendar and dairies.
- **Strengthening Club activities** at various departments (Starting of new Clubs)
- **Seminars by Students** of 1st year on Science & Technology topics to improve their communication & presentation skills
- **Certification Programs** for enhancing Skills – Microsoft Cross Platform & Mobile application development
- **Admission Improvement Strategies:**
 - Fixed Fee Structure
 - Visiting PU Colleges/ Conducting Mock CET test and awarding top students
 - Felicitation to PU College Principals during occasions
 - Advertisement in News papers/Social Media for promoting
- **Strategic Planning and Standard Policy** for Promotion / Increment / AGP Movement
- **Research Policy** for promoting research culture among students and faculty
- **Infrastructure Improvement** – Integrated Labs, Seminar Halls, Board Room
- **BGS Conference Hall** - State-of-the-art Conference Hall at AE Block
- Extending Sports Facilities - GYM, Basketball Court, Cricket Practicing, flag hoisting stage
- **Conduction of VTU Athletic Meet, VTU Youth Festival**
- **Research Funds**
- **BGS-SJCIT Incubation Foundation company under section 8**
- Campus ambience improvement Garden/park, Drainage, Washrooms, Sewage treatment
- **Digital Signage**

Admissions Related:

- Fixed Fee Structure for Management Quota Seats – Renewal Annually
 - High degree of Transparency, No Bargaining, No Confusion, No hidden agenda, No Concession by any means except order by HH Mahaswamiji
- Visiting feeder Institutions in and around Chickballapur & Kolar Districts, addressing students by appraising about opportunities and accomplishments
- Inviting students from feeder Institutions on campus and taking them to every department showing the infrastructure and facilities followed by interactions with teachers, HoDs and Principal
- Conducting CET crash course for about one month by our Science faculty and Evaluation of students thru mock CET exam
- Recognizing top performers with cash awards and offering Concession in college fee.
- Online Enrolment/Registration of aspiring students thru website and interacting with them constantly
- Responding to Students' Enquiries instantly
- Inviting the Popular Teachers and Principals of Feeder Institutions and felicitating/honouring them during important occasions/functions
- Search Engine Optimization and effective propagation thru social media
- Effective publicity thru word of mouth and print media highlighting the significant achievements. Efforts to enhance enrolment from other States and Abroad
- Conducting activities like Project Open House, Competitions etc., exclusively for aspiring students
- Involving our Alumni and existing students to write reviews on the facilities and opportunities enjoyed

Administration Related:

- Revision of Vision and Mission Statements
- Enforcing Decentralized and Disciplined Work Culture
 - Forming Administration and Functional Committees, periodical meetings with action plans
- Standardization of Administrative Service rules as per GoK, VTU and AICTE norms including leave rules, recruitment and retirement policies, Staff Welfare schemes

- Implementation of Regulating and Governing Bodies' Policies in full
- Preparing Strategic Planning for holistic development with short-term and long-term goals focusing on student centric, faculty centric and infrastructure related matters
- Conducting Brand building activities for enhancing the visibility of our Institution
- Defining achievable targets in respect of results, placements and R&D related activities
- Automation/Digitalization of Academic and Administrative activities thru use of ERP
- Working on continuously and consistently for getting better grades/positions in Accreditations and Institutional Rankings (NIRF and other agencies)
- Grooming next level leadership and Team building involving Senior Professors and HoDs towards sustainable development making every individual accountable and answerable
- Optimizing the usage of resource and Ensuring Transparency and Quality in every process/activity
- Institution Council and Department Council Meetings taking stock on weekly activities planned and conducted in respect of Students, Faculty, R&D, Innovation and Incubation, VTU and Accreditation related
- **Celebrating all the National Festivals**
- **BGS Nandi Run** with different themes during every **July month**

Students' development Related:

- Establishing Centre of Excellence (CoE): AI and Machine Learning, 3D Printing, Hydraulics and Automation Technologies, Artisan Training center
- Enhancing NSS and NCC Activities
- Standardizing and organizing activities regularly under Student Excellence and Empowerment Development Centre(SEED)
- Promoting Entrepreneurship Culture thru Entrepreneurship Development and Institution Innovation Cell (IIC)
- Trainings by TBI (Technology Business Incubator), MSME, GoI
- Newage Incubation Network(NAIN) Center In association ITBT, Govt. of Karnataka
- Recognition of Meritorious Students
- Blended, Structured and Systematic Training for enhancing the employability of students
- Financial assistance to the students to participate in project exhibitions
- Effective Mentoring System thru DHI as well as offline
- Encouragement for Students to participate in in Cultural , Sports and Extra curricular Activities
- Orientation Program at the beginning of the Semester
- Parents- Teachers Interactions
- Pedagogical Teaching methods
- Academic Monitoring – Weekly/Monthly
- Mini-projects and Technical Seminars
- Subject Augmentation Talks by Experts from Industry and Academia
- Value added courses for students through student chapters/clubs/industries
- Certification/Skill Development Courses thru NPTEL/MOOC/Moodle/ Courseers/ Udemy/Microsoft/Oracle
- Industrial Visits
- Internship Training activities
- Rank monitoring Committee to mentor and mentor Top performers in University exams to increase the University Ranks
- Activity Based learnings, Project based learning, experiential learning, Live Demonstrations, Practical Exposure
- Encouraging the students to compete in **Inter-collegiate** competitions
- Encouraging Final and Pre-final year students to publish at least one paper in National /International Journals
- Students Clubs at each department
- Competent Coding and Hackathons thru Coding Clubs
- Career Guidance Cell
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Faculty development Related:

- Recognition of Best Performing Teachers and Non-teaching Staff members
- Academic Performance Evaluation thru Academic Audit Process
- Financial assistance to the faculty to participate in seminars, workshops, conferences etc.
- Promoting research blend of mind thru Research& Development centers in all departments
- Faculty Development Programs on regular basis, at least one per department in six months
- Enhancing the staff welfare schemes
- Encouraging faculty to prepare and submit research proposals
- Inspiring teachers to register for and complete their PhD
- Regularization of Doctoral Committee meetings to closely monitor the progress of research scholars pursuing PhD enabling them to complete their PhD
- Streamlining the R&D activities
- Incentives for Quality Paper Publications, Patents filing and fetching funds
- Encourage teachers to use innovative teaching methods like flipped classroom, Activity based learning, Think-Pair-Share,...
- Mandatory for teachers to complete NPTEL/UDEMY/COURSEERA certification courses and GATE exam for enhancing their subject matter knowledge
- Incentives to teachers who carry consultancy and fetching grants from funding agencies
- FEEL Teacher Program and In-house Lecture Series during Internals
- Knowledge Mastery Among Peers (KMAP) on every Friday between 3-4 p.m.
- **Employee Engagement Activity- Twice in a year**

Teaching-Learning Process:

- Academic Calendar at Institution and Department level apart from VTU
- Attendance and Academic activities monitoring thru ERP-DHI
- Use of Learning Management Systems(LMS), Adjunct Faculty
- Effective Implementation of Outcome Based Education(OBE)
- Defining Course Outcomes(COs)for each course using appropriate action verbs as per Bloom's Taxonomy, mapping with Program Outcomes(POs) and Showing the attainment of COs and POs
- Standard templates for Course Materials
 - Lesson Plan, Question Bank, Assignments, Hand-written Notes
 - PPTs and other supporting materials like Videos
- Orientation Program, Subject Augmentation Talks, Alumni Talks, Expert Talks, Industry Visits, Case Studies
- Standardizing the Internal Exams/Tests – Template for QP, Screening of Question Papers, Scheme of Evaluation, Transparency in Evaluation, Improvement Tests, Sending Progress Reports to Parents
- Periodical Audits/Reviews on all the academic related activities
- ICT based teaching aids such as Computer, Internet, LCD projector to ensure effective learning.
- Handling Slow and Advanced Learners
- Use of innovative teaching methods like flipped classroom, Activity based learning, Think-Pair-Share
- Additional coaching for slow learners through remedial classes, Enrichment through interdisciplinary courses for advanced learners
- Implementing Activity / Project based learning along with experiential learning
- Collecting feedback from stakeholders and implementing action plans
- Internal academic audit conducted twice a year to monitor, and to assess planning, delivery, evaluation, and attainment levels for every course, and improve the quality of teaching-learning process.

R&D Innovation, Incubation:

- Organizing Expert Talks on regular basis – Research Article/Paper writing, Research Proposal Preparation for funding, Funding Agencies, Potential research Avenues
- Submitting Acceptable research proposals for receiving funds from funding agencies on regular basis

- Organizing National and International Conferences cluster wise on regular basis (one National Conference and Two International Conferences yearly)
- Regular conduct of inter-disciplinary seminars, workshops, and symposia with national and international experts focusing on building problem solving, critical thinking and learning-to-learn skills.
- Motivating and inspiring students & faculty to explore innovative thinking there by strengthening Institute Innovation Council (IIC) thru activities inviting experts from Industry and academia
- To engage Students and Faculty in innovative, high impact and leading edge research within and across disciplines
- Enhancing number of Doctorates (PhDs) on campus by regularly conducting doctoral committee meetings to review the progress of research scholars
- Incentives to Faculty for encouraging towards Quality Publications, Research Proposals and Consultancy services
- Strengthening BGS-SJCIT Incubation Centre with state-of-the-art facilities and encouraging the establishment of start-up companies on campus Trainings by TBI (Technology Business Incubator), MSME, GOI and Newage Incubation Network(NAIN) Center In association ITBT, Govt. of Karnataka
- Well defined Policies for promoting Research, Innovation, Incubation, IPR, EDC among students and faculty
- Study leaves and financial assistance to the teachers for pursuing research and for participating in conferences / symposia/ workshops organized in India as well as abroad
- Collaboration with internal and external stakeholders.
- Establishing Centers of Excellence in niche areas across each department
- Assistive Technology Lab (ATL): Encouraging the students to develop aids for visually challenged, deaf and dumb people, differently abled people, Autism students
- Promoting Entrepreneurship Culture thru Entrepreneurship Development and Institution Innovation Cell (IIC)

Infrastructure Development related:

- To keep-up Environmental Friendly Campus with state-of-the-art Amenities and independent functional buildings for each department
- Periodical maintenance of Academic Blocks, Class rooms, Laboratories, Wash Rooms, Parks, etc
- Wi-Fi enabled campus with 1000 MBPS Internet connectivity
- Green Campus Initiatives
 - Solar power generating system is provided on the roof top of the IT Block and Academic Block.
 - Rainwater harvesting is being done near Sports complex.
 - Biogas Plant is installed in Boys Hostel by BARC, Mumbai
 - Plantation Activities
- Digital Signage, Sign Boards, Key Plan of the Campus, Notice Boards, Creation of Instructional Walls thru Posters and Quotes
- Creation of common Reading / Sitting Places, Canteens, Coffee/Tea Vending Machines
- Sports Facilities – Ground, Tracks, GYM, Courts Indore Stadium etc.,
- Seminar Halls, Gallery Class rooms, Modernization and Removal of Obsolescence in Laboratories
- Providing Hostels for both Boys and Girls with good ambience and quality food
- Strategic Planning for Improving the Infrastructure and/or creating new infrastructure on demand
- Introducing Digital Notice Boards and Displays across campus

Training and Placements:

- Blended training model with automated learning tool and Instructor-Led trainings along with online & offline trainings
- “FEEL Employable Program” by Prof Sanni Therappan
- Conduction of HR conclave for networking and connectivity among HR heads of Industries and academia
- HR dress Code for Students on every Wednesday to promote corporate culture from day one.
- Value added courses and Certification Programs for enhancing Skills – Microsoft Cross Platform & Mobile application development, Full Stack Web Development etc.,

- Competent Training on Aptitude, Verbal, Soft skills and Technical by Competent Training vendors selected in a democratic way optimizing the total training cost with increased placement opportunities
- Institution profile building and publicizing with all the prospective recruiters
- Streamlining and Standardizing the training structure and schedule for every semester with equal number of training hours (36 hours) focusing on strengthening students with all aspects of industry requirements/expectations
- Promoting paid Internship opportunities at Industries
- Technical /Expert Talks from our proud alumni

BGS College of Engineering Technology, Bengaluru (As Founder Director)

- With the divine blessings and spiritual leadership of our Mahaswamiji, got an opportunity to become Creator of a new engineering college BGSCET in Bengaluru with 5 market demanding courses – CSE, ISE, AI&ML, AI&DS and CSD in the year 2022. BGSCET not only contributes to the academic and professional landscape of Bengaluru but also serves as a beacon of excellence in IT engineering education globally.
- Proposed and Prepared Detailed Project Report (DPR), Handling AICTE, VTU and GoK related requirements of establishing new Institution
- Obtained recognition and approval from educational, professional and regulatory bodies like AICTE, VTU, HED-GoK
- Established the Vision, Mission, tagline, logo and long-term & short-term goals to align with the needs of students, industry, and society.
- Defined the identity of the institution with unique features
- Ensuring the institution's focus on producing Competent IT graduates who are technically proficient, innovative, and socially responsible.
- Lead the design and development of the physical infrastructure, including classrooms, labs, hostels, libraries, and recreational areas.
- Ensuring modern facilities and technological tools to support quality education and research.
- Designing industry-relevant programs and ensuring alignment with accreditation standards.
- Creating a framework to promote research, innovation, and patents.
- Recruiting qualified and experienced educators and researchers.
- Introducing faculty development initiatives to keep staff updated with the latest teaching methodologies and industry trends
- Establishing transparent and fair admissions processes.
- Launching initiatives for technical skills, soft skills, and entrepreneurship development.
- Building strong industry connections to ensure robust campus recruitment.
- Partnering with companies for internships, projects, and sponsorships.
- Organizing programs for community development and sustainability.
- Setting up policies for administration, academics, and finance.
- Providing visionary leadership to establish the institution's reputation and brand.
- Ensuring effective utilization of resources for sustainable growth.
- Establishing an inclusive and ethical culture.
- Encouraging diversity in students and staff to create a global learning environment.
- Establishing partnerships with leading industries, research organizations, and global universities for internships, research, and joint programs.
- Establishing Centers of Excellence in collaboration with industry leaders.
- Facilitating Memorandums of Understanding (MoUs) and corporate partnerships for mutual benefit.
- Implementing scholarships, mentorship programs, and career counselling to support students' academic and personal growth.
- Introducing cutting-edge courses in emerging fields such as Artificial Intelligence, Machine Learning, Data Science, Internet of Things, Cyber Security, Generative AI, Quantum Computing, Robotics etc., and sustainable engineering practices.
- Driving efforts to achieve national and international accreditations (NBA, NAAC) and high rankings in educational surveys.
- Maintaining rigorous quality assurance processes for academic and administrative excellence.
- Creating a sustainable roadmap for the institution, ensuring its growth and relevance in the long term

Books Published and Project Works Guided	Technical Books: <ol style="list-style-type: none"> 1. <i>Programming in C and Data Structures - A Comprehensive Laboratory Manual</i> , Dr. G T Raju, Dr. M V Sudhamani, 2014, Prism Books Pvt. Ltd. 2. <i>Programming with C and Data Structures</i> (Book review), Dr. G T Raju, 2014, Dreamtech Press, Wiley India 3. <i>Simplified Instructional Manual for System Software Lab</i>, G T Raju, Subhas Publishers, Bangalore, 1st Edition, 2004 4. <i>Finite Automata and Formal Languages</i>, G T Raju and Naazima Begum, Kumar & Kumar Publishers, Bangalore, 1st Edition, 2000 5. <i>Knowledge Discovery in Computer Databases</i>, Processing of Web usage data, Pattern Discovery and Pattern Analysis techniques in data mining, G T Raju, LAP Lambert Academic Publishing, ISBN 978-3- 8443-9387-3, 140 Pages, 2009 Project Works Guided: <ol style="list-style-type: none"> 1. 95+ projects for UG Students at an average of 2-3 projects/year, with a team size of maximum of 4 students/team 2. 55+ projects for PG Students at an average of 2 projects/year, with a team size of 1 student/team 3. 15+ projects for MCA Students at IGNOU and Other Universities 4. 2 for MS Degree at BITS, Pilani and 1 for MPhil Degree
Awards	<ol style="list-style-type: none"> 1. Best Teacher Award , 2012-13, RNSIT, Bangalore 2. Rajiv Gandhi Gold Medal Award for Outstanding Individual Achievement and Distinguished Services in Education and Research, 2015, Global Economic Progress and Research Association, by Veteran Congress leader and former Union minister Shri. M V Rajasekharan
Reference	<ol style="list-style-type: none"> 1. His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji, President, SAST® 2. Dr. H N Shivashankar, Former Director, RNSIT, Former Principal, UVCE, Bengaluru Mobile: 9900261666, hns_shankar@yahoo.com

Executive Summary:

Dr. G T Raju is a distinguished seasoned academic and research professional in the field of Computer Science and Engineering and has occupied key positions such as Principal, Professor, and Director at esteemed institutions in Karnataka. Currently the Principal and Professor at SJC Institute of Technology, Chickballapur and Creator & Founder Director of BGS College of Engineering and Technology, Bengaluru. He has extensive experience in teaching, research, and industry, spanning over 32 years in academia and 16 years in research. He has made significant contributions to areas like Knowledge Discovery in Databases, Clustering techniques, and Web mining, AI and Machine Learning, Nextgen Agriculture & Communication. and he has guided 20 doctorates while evaluating numerous PhD theses. Dr. Raju has completed various research projects funded by grants worth 45+ lakhs. With over 135 publications, including technical books, and leadership roles in academia and organized various seminars and workshops, he demonstrates a strong commitment to educational advancement and continuous professional development. He is an active participant in academic conferences and workshops, often serving as a keynote speaker. He has also been recognized for delivering expert lectures and contributing to prestigious conferences, earning acclaim for his work in Computer Science and Technology. His extensive contributions to data mining, AI & ML, network optimization, and image processing have earned him recognitions. As a leader, he emphasizes both student and faculty development, underscoring his dedication to educational excellence.

Key Insights

- Extensive experience of over 32+ years in teaching and 16+ years in research.
- Strong focus on innovative research areas such as Knowledge Discovery in databases, AI & ML, clustering, and web mining.
- Significant contributions to academia through mentoring Ph.D. scholars and guiding numerous projects.
- He has produced and guided 20 doctoral candidates and evaluated numerous PhD theses.
- Active involvement in organizing and participating in faculty development initiatives, conferences and workshops as a speaker and chairperson.
- Over 135 publications, including books, showcasing a commitment to knowledge dissemination and academic excellence.

Frequently Asked Questions

What are Dr. G T Raju's main research interests?

Dr. Raju's primary research interests include Knowledge Discovery in Databases, AI & ML, web mining, clustering techniques, Image Processing, and Nextgen Agriculture & Communication with a focus on innovative methods in these areas.

How has Dr. Raju contributed to academic leadership?

He has held significant leadership roles, such as Principal at S J C Institute of Technology and Director at BGS College of Engineering & Technology, Academic Senate Member at Visvesvaraya Technological University, Belagavi emphasizing his commitment to educational advancement.

How many publications has Dr. Raju authored?

Dr. Raju has published over 135 papers, including 5 technical books, reflecting his active engagement in research and knowledge dissemination.

In what capacity has Dr. Raju participated in academic conferences?

He has served as a chairperson, resource person, keynote speaker and Organizer at various workshops, conferences, and seminars, highlighting his expertise and dedication to continuous learning.

How many doctoral candidates has Dr. Raju mentored?

Dr. Raju has guided and produced 20 doctoral candidates throughout his career and currently guiding 5 research scholars

Summary of Dr. G T Raju's Curriculum Vitae

- **Name:** Dr. G T Raju
- **Date of Birth:** 01-06-1967
- **Current Positions:** Principal at SJC Institute of Technology; Director at BGS College of Engineering and Technology.
- **Education:** B.E., M.E., and Ph.D. in Computer Science and Engineering.
- **Experience:** 32 years in teaching, 16 years in research, and 1.5 years in industry.
- **Publications:** 135+ papers and 5 technical books.
- **PhD Guidance:** 20 completed, 5 currently guiding.
- **Awards:** Best Teacher Award, Rajiv Gandhi Gold Medal for Outstanding Achievement.

Dr. G T Raju

Principal, S J C Institute of Technology, Chickballapur
Director, BGS College of Engineering & Technology, Bengaluru
Academic Senate Member, VTU, Belagavi

Place: Bengaluru

Date: 18-11-2024